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Preface

The Electric Power Monthly (EPM) presents monthly elec-tricity statistics for a wide audience including Con¬gress, Federal and State agencies, the electric power industry, and the general public. The purpose of this pub¬lication 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 responsi-bilities 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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				Electric Utilities		Independent Power Producers					
Fuel	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Net Generation (Thousand Megawatthours)											
Coal	128,992	121,463	6.2%	96,346	90,103	31,489	30,220	72	62	1,085	1,077
Petroleum Liquids	976	1,082	-9.8%	712	822	225	204	7	6	32	49
Petroleum Coke	803	701	14.6%	454	399	130	207	1	*	219	95
Natural Gas	79,707	75,441	5.7%	32,760	30,532	39,190	37,730	447	437	7,309	6,742
Other Gas	759	943	-19.5%	NM	4	182	224	--	*	576	715
Nuclear	56,713	64,474	-12.0%	29,038	34,107	27,674	30,367	--	--	--	--
Hydroelectric Conventional	18,834	20,681	-8.9%	17,001	18,732	1,594	1,801	NM	2	236	146
Other Renewables	18,106	18,589	-2.6%	2,456	2,168	13,027	13,840	232	208	2,392	2,374
Wood and Wood-Derived Fuels	3,216	3,088	4.1%	178	108	728	691	NM	2	2,308	2,286
Other Biomass	1,633	1,684	-3.1%	115	123	1,220	1,280	217	195	81	86
Geothermal	1,429	1,271	12.4%	97	98	1,333	1,173	--	--	--	--
Solar Thermal and Photovoltaic	314	107	192.8%	40	25	265	78	9	4	NM	*
Wind	11,513	12,439	-7.4%	2,027	1,813	9,481	10,618	NM	6	NM	1
Hydroelectric Pumped Storage	-390	-441	-11.4%	-338	-381	-52	-60	--	--	--	--
Other Energy Sources	1,049	1,187	-11.6%	28	45	593	593	85	84	343	465
All Energy Sources	305,548	304,119	0.5%	178,459	176,532	114,053	115,124	845	800	12,191	11,663
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	69,977	67,059	4.4%	51,442	48,879	18,108	17,762	26	21	401	397
Petroleum Liquids (1000 barrels)	1,636	1,832	-10.7%	1,264	1,488	324	278	10	10	38	55
Petroleum Coke (1000 tons)	298	257	16.0%	175	155	48	77	*	*	75	25
Natural Gas (1000 Mcf)	608,543	568,007	7.1%	262,336	242,306	291,010	275,414	3,766	3,709	51,430	46,579
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,683	1,689	-0.3%	--	--	248	277	109	96	1,327	1,315
Petroleum Liquids (1000 barrels)	208	293	-28.9%	--	--	84	83	8	14	115	195
Petroleum Coke (1000 tons)	107	88	21.4%	--	--	9	9	1	1	97	79
Natural Gas (1000 Mcf)	73,627	67,698	8.8%	--	--	24,443	24,826	3,543	3,422	45,641	39,450
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	71,660	68,748	4.2%	51,442	48,879	18,356	18,039	134	117	1,728	1,712
Petroleum Liquids (1000 barrels)	1,844	2,124	-13.2%	1,264	1,488	409	361	18	24	154	251
Petroleum Coke (1000 tons)	405	345	17.4%	175	155	57	86	1	1	171	103
Natural Gas (1000 Mcf)	682,170	635,705	7.3%	262,336	242,306	315,453	300,240	7,309	7,130	97,071	86,029
Fuel Stocks (end-of-month)											
Coal (1000 tons)	189,541	170,514	11.2%	152,764	137,122	33,869	30,632	419	451	2,488	2,309
Petroleum Liquids (1000 barrels)	34,460	38,276	-10.0%	23,710	25,967	7,974	9,470	300	281	2,477	2,558
Petroleum Coke (1000 tons)	929	1,079	-13.9%	346	391	77	102	W	W	W	W

Sales, Revenue, and Average Retail Price for November									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	November 2012	November 2011	Percentage Change	November 2012	November 2011	Percentage Change	November 2012	November 2011	Percentage Change
Residential	97,174	93,220	4.2%	11,411	10,982	3.9%	11.74	11.78	-0.3%
Commercial	102,546	100,552	2.0%	10,128	10,034	0.9%	9.88	9.98	-1.0%
Industrial	78,877	80,858	-2.4%	5,150	5,281	-2.5%	6.53	6.53	0.0%
Transportation	580	590	-1.6%	60	59	2.1%	10.30	9.93	3.7%
All Sectors	279,178	275,220	1.4%	26,749	26,355	1.5%	9.58	9.58	0.0%

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
* = Value is less than half of the smallest unit of measure.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synfuel, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and coal synfuel ; waste coal is excluded.
Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).
Net generation is presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.
Note: Values for 2012 are preliminary. Values for 2011 are final. Percentage change is calculated before rounding.
See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.
Sources: U.S. Energy Information Administration, Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report.'
U.S. Energy Information Administration, Form EIA-923, 'Power Plant Operations Report.'

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2012 and 2011

Net Generation and Consumption of Fuels for January through November											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
Net Generation (Thousand Megawatthours)											
Coal	1,382,973	1,600,501	-13.6%	1,046,382	1,201,467	323,316	384,738	756	971	12,520	13,325
Petroleum Liquids	12,236	14,908	-17.9%	9,254	10,809	2,434	3,417	78	81	470	602
Petroleum Coke	8,907	13,088	-31.9%	5,246	8,761	1,690	3,190	5	2	1,966	1,134
Natural Gas	1,146,605	927,567	23.6%	472,259	380,657	590,081	467,440	5,392	4,988	78,873	74,482
Other Gas	10,354	10,561	-2.0%	10	26	2,485	2,667	NM	3	7,856	7,866
Nuclear	700,748	718,367	-2.5%	361,167	376,346	339,581	342,021	--	--	--	--
Hydroelectric Conventional	253,287	295,623	-14.3%	232,133	270,113	19,485	23,865	NM	23	1,632	1,621
Other Renewables	197,784	176,796	11.9%	25,240	19,853	144,618	129,529	2,501	2,269	25,424	25,145
Wood and Wood-Derived Fuels	34,190	34,096	0.3%	1,648	1,847	7,959	7,927	23	23	24,560	24,299
Other Biomass	18,263	17,491	4.4%	1,329	1,291	13,801	13,243	2,305	2,120	827	836
Geothermal	15,332	13,992	9.6%	1,044	1,036	14,288	12,955	--	--	--	--
Solar Thermal and Photovoltaic	4,084	1,697	140.7%	575	198	3,377	1,413	120	80	13	6
Wind	125,914	109,521	15.0%	20,644	15,481	105,193	93,991	54	45	23	4
Hydroelectric Pumped Storage	-4,108	-5,409	-24.0%	-3,439	-4,861	-669	-548	--	--	--	--
Other Energy Sources	11,364	12,900	-11.9%	371	554	6,577	6,420	938	869	3,478	5,057
All Energy Sources	3,720,150	3,764,903	-1.2%	2,148,623	2,263,726	1,429,597	1,362,738	9,710	9,206	132,220	129,233
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	753,556	861,329	-12.5%	561,945	635,170	186,682	220,623	282	322	4,647	5,214
Petroleum Liquids (1000 barrels)	20,894	25,374	-17.7%	16,449	19,305	3,745	5,290	120	125	580	654
Petroleum Coke (1000 tons)	3,253	4,647	-30.0%	1,942	3,197	659	1,189	1	1	650	261
Natural Gas (1000 Mcf)	8,847,298	7,241,810	22.2%	3,846,346	3,175,045	4,404,792	3,503,797	44,997	42,861	551,163	520,107
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	18,515	19,720	-6.1%	--	--	3,119	3,331	1,116	1,207	14,281	15,181
Petroleum Liquids (1000 barrels)	2,501	3,540	-29.3%	--	--	864	928	102	164	1,534	2,447
Petroleum Coke (1000 tons)	1,140	984	15.9%	--	--	103	101	10	4	1,028	879
Natural Gas (1000 Mcf)	826,850	763,912	8.2%	--	--	300,149	281,128	41,277	35,774	485,425	447,011
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	772,072	881,048	-12.4%	561,945	635,170	189,802	223,955	1,397	1,529	18,928	20,395
Petroleum Liquids (1000 barrels)	23,395	28,914	-19.1%	16,449	19,305	4,609	6,218	223	289	2,114	3,101
Petroleum Coke (1000 tons)	4,393	5,632	-22.0%	1,942	3,197	762	1,290	11	5	1,678	1,139
Natural Gas (1000 Mcf)	9,674,148	8,005,722	20.8%	3,846,346	3,175,045	4,704,941	3,784,924	86,273	78,635	1,036,588	967,118

Sales, Revenue, and Average Retail Price for January through November									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	Percentage Change
Residential	1,260,803	1,306,460	-3.5%	150,132	153,452	-2.2%	11.91	11.75	1.4%
Commercial	1,220,293	1,223,185	-0.2%	123,742	125,686	-1.5%	10.14	10.28	-1.4%
Industrial	903,139	911,359	-0.9%	60,610	62,401	-2.9%	6.71	6.85	-2.0%
Transportation	6,871	7,017	-2.1%	690	739	-6.6%	10.04	10.53	-4.7%
All Sectors	3,391,107	3,448,020	-1.7%	335,174	342,277	-2.1%	9.88	9.93	-0.5%

YTD = Year to Date
NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
* = Value is less than half of the smallest unit of measure.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synfuel, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and coal synfuel ; waste coal is excluded.
Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).
Net generation is presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.
Note: Values for 2012 are preliminary. Values for 2011 are final. Percentage change is calculated before rounding.
See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.
Sources: U.S. Energy Information Administration, Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report.'
U.S. Energy Information Administration, Form EIA-923, 'Power Plant Operations Report.'

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2012 and 2011

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal (1000 tons)	72,397	78,595	46.01	45.85	561	586	778,083	867,983	46.63	46.85
Petroleum Liquids (1000 barrels)	2,016	2,898	132.53	124.45	1,267	1,155	22,969	33,576	130.97	118.87
Petroleum Coke (1000 tons)	430	464	70.45	73.69	28	33	4,328	5,426	73.12	87.71
Natural Gas (1000 Mcf)	695,245	662,933	4.32	4.19	1,672	1,786	9,912,016	8,311,733	3.41	4.89

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal (1000 tons)	50,443	56,990	47.01	47.03	299	316	554,432	632,122	47.68	47.89
Petroleum Liquids (1000 barrels)	1,227	1,853	135.25	129.72	828	739	15,499	22,214	133.72	122.20
Petroleum Coke (1000 tons)	221	253	57.04	60.87	6	5	2,156	3,172	64.16	90.63
Natural Gas (1000 Mcf)	265,923	246,675	4.58	4.57	666	777	3,897,724	3,229,913	3.74	5.14

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal (1000 tons)	20,159	19,649	42.07	40.77	124	131	203,808	214,074	42.12	42.16
Petroleum Liquids (1000 barrels)	473	635	134.92	117.22	224	226	4,298	6,507	131.94	117.92
Petroleum Coke (1000 tons)	69	94	W	W	6	13	840	1,052	89.57	70.94
Natural Gas (1000 Mcf)	314,249	301,865	4.28	4.01	546	552	4,718,863	3,813,683	3.24	4.80

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal (1000 tons)	124	140	55.11	58.95	21	22	1,335	1,540	58.52	62.40
Petroleum Liquids (1000 barrels)	NM	NM	NM	NM	95	70	310	306	129.43	117.88
Petroleum Coke (1000 tons)	1	NM	W	W	1	1	11	8	W	W
Natural Gas (1000 Mcf)	NM	NM	4.84	4.77	131	130	90,379	84,161	3.92	5.38

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal (1000 tons)	1,671	1,816	62.84	62.81	117	117	18,508	20,247	63.89	62.86
Petroleum Liquids (1000 barrels)	295	NM	117.23	110.85	120	120	2,862	4,549	114.79	103.99
Petroleum Coke (1000 tons)	139	117	W	W	15	14	1,320	1,195	W	W
Natural Gas (1000 Mcf)	107,380	106,529	3.77	3.78	329	327	1,205,051	1,183,976	3.02	4.46

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, coal synfuel, 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.
Notes: Values for 2012 are preliminary. Values for 2011 are final. Mcf = thousand cubic feet.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, btus, 2012 and 2011

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal	1,401,925	1,520,071	2.38	2.37	561	586	15,076,117	16,975,608	2.41	2.40
Petroleum Liquids	11,962	17,081	22.34	21.12	1,267	1,155	137,077	201,499	21.95	19.81
Petroleum Coke	12,289	13,235	2.46	2.58	28	33	124,099	155,428	2.55	3.06
Natural Gas	711,110	676,984	4.23	4.10	1,672	1,786	10,135,211	8,490,394	3.34	4.79
Fossil Fuels	2,137,265	2,227,351	3.10	3.04	2,801	2,755	25,472,130	25,822,796	2.88	3.32

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal	988,770	1,120,387	2.40	2.39	299	316	10,873,362	12,565,189	2.43	2.41
Petroleum Liquids	7,275	11,052	22.80	21.75	828	739	92,967	134,526	22.29	20.18
Petroleum Coke	6,304	7,303	2.00	2.11	6	5	62,184	91,435	2.22	3.14
Natural Gas	270,992	250,718	4.49	4.50	666	777	3,975,532	3,289,160	3.67	5.05
Fossil Fuels	1,273,335	1,389,442	2.96	2.92	1,428	1,410	15,003,866	16,080,199	2.88	3.10

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal	375,180	357,960	2.26	2.24	124	131	3,780,996	3,943,136	2.27	2.29
Petroleum Liquids	2,794	3,617	22.86	20.57	224	226	25,149	38,142	22.55	20.12
Petroleum Coke	1,980	2,652	W	W	6	13	24,146	30,160	3.12	2.47
Natural Gas	322,250	308,988	4.18	3.92	546	552	4,832,583	3,898,880	3.16	4.69
Fossil Fuels	702,190	673,216	W	W	765	762	8,662,679	7,910,297	2.83	3.56

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal	2,591	2,922	2.64	2.82	21	22	27,911	32,832	2.80	2.93
Petroleum Liquids	NM	NM	NM	NM	95	70	1,837	1,849	21.84	19.52
Petroleum Coke	41	NM	W	W	1	1	317	225	W	W
Natural Gas	NM	NM	4.72	4.68	131	130	92,419	85,952	3.83	5.26
Fossil Fuels	NM	NM	W	W	189	169	122,484	120,857	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	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
Coal	35,384	38,803	2.97	2.94	117	117	393,849	434,451	3.00	2.93
Petroleum Liquids	1,769	NM	19.58	18.91	120	120	17,124	26,982	19.18	17.53
Petroleum Coke	3,964	3,267	W	W	15	14	37,452	33,609	W	W
Natural Gas	109,992	109,257	3.68	3.69	329	327	1,234,677	1,216,402	2.95	4.34
Fossil Fuels	151,110	153,590	W	W	419	414	1,683,101	1,711,443	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, coal synfuel, 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.
Notes: 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, 2012

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
2012	1	56753	AgPower Jerome LLC	Electric CHP	Double A Digester	ID	57425	2	1.5	OBG	IC
2012	1	56476	Ameresco	Electric CHP	Savannah River Site Biomass Cogeneration	SC	57138	1	16.0	WDS	ST
2012	1	40577	American Mun Power-Ohio, Inc	IPP	Fremont Energy Center	OH	55701	CA01	330.5	NG	CA
2012	1	40577	American Mun Power-Ohio, Inc	IPP	Fremont Energy Center	OH	55701	CT01	168.4	NG	CT
2012	1	40577	American Mun Power-Ohio, Inc	IPP	Fremont Energy Center	OH	55701	CT02	168.4	NG	CT
2012	1	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	4	40.0	NG	CT
2012	1	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	43	20.0	NG	CA
2012	1	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	5	40.0	NG	CT
2012	1	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	53	20.0	NG	CA
2012	1	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	6	40.0	NG	CT
2012	1	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	7	40.0	NG	CT
2012	1	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	GT1	90.0	NG	GT
2012	1	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	GT2	90.0	NG	GT
2012	1	57336	Brookfield Renewable Energy Group	IPP	Alta Wind VIII	CA	57835	AW08	150.0	WND	WT
2012	1	56769	Consolidated Edison Development Inc.	IPP	Frenchtown I Solar	NJ	57486	F1NJ	3.0	SUN	PV
2012	1	56356	Erie Wind LLC	IPP	Steel Winds II	NY	57078	1	15.0	WND	WT
2012	1	6541	Formosa Plastics Corp	Industrial	CFB Power Plant	TX	56708	G2201	143.1	PC	ST
2012	1	57042	Gordon Butte Wind LLC	IPP	Gordon Butte Wind LLC	MT	57748	GBW	9.6	WND	WT
2012	1	11804	Massachusetts Electric Co	Electric Utility	Dorchester Solar Site	MA	57265	1	1.0	SUN	PV
2012	1	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	2	16.0	SUN	PV
2012	1	12647	Minnesota Power Inc	Electric Utility	Bison I Wind Energy Center	ND	57038	PHS2	42.7	WND	WT
2012	1	57026	NextEra Energy Montezuma Wind II, LLC	IPP	Montezuma Wind II	CA	57701	1	78.2	WND	WT
2012	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Crossroads Wind Farm	OK	57332	1-98	227.0	WND	WT
2012	1	34691	Ormat Nevada Inc	IPP	Tuscarora Geothermal Power Plant	NV	57451	G9200	9.0	GEO	BT
2012	1	34691	Ormat Nevada Inc	IPP	Tuscarora Geothermal Power Plant	NV	57451	G9250	9.0	GEO	BT
2012	1	57093	RE Bruceville LLC	IPP	RE Bruceville 1	CA	57783	BRU1	5.0	SUN	PV
2012	1	57087	RE Dillard LLC	IPP	RE Dillard 1	CA	57777	DL1	3.0	SUN	PV
2012	1	57087	RE Dillard LLC	IPP	RE Dillard 2	CA	57779	DIL2	3.0	SUN	PV
2012	1	57087	RE Dillard LLC	IPP	RE Dillard 3	CA	57781	DIL3	3.0	SUN	PV
2012	1	57087	RE Dillard LLC	IPP	RE Dillard 4	CA	57806	DIL4	0.4	SUN	PV
2012	1	57090	RE Kammerer LLC	IPP	RE Kammerer 1	CA	57778	KAM1	5.0	SUN	PV
2012	1	56909	Record Hill Wind LLC	IPP	Record Hill Wind	ME	57568	RHW	50.6	WND	WT
2012	1	56774	S Montana Elec Gen and Trans Coop Inc	IPP	Highwood Generating Station	MT	57480	GTG1	40.5	NG	GT
2012	1	24211	Tucson Electric Power Co	Electric Utility	UASTP II	AZ	57717	UATP2	2.8	SUN	PV
2012	1	19391	UGI Development Co	IPP	Crayola Solar Project	PA	57216	3	0.8	SUN	PV
2012	1	56977	Zotos International	Industrial	Zotos International WPGF	NY	57648	WT1	1.7	WND	WT
2012	1	56977	Zotos International	Industrial	Zotos International WPGF	NY	57648	WT2	1.7	WND	WT
2012	2	19740	AES Wind Generation Inc	IPP	Mountain View IV	CA	57459	1	49.0	WND	WT
2012	2	56753	AgPower Jerome LLC	Electric CHP	Double A Digester	ID	57425	3	1.5	OBG	IC
2012	2	599	Anchorage Municipal Light and Power	Electric Utility	Anchorage 1	AK	75	P1 BS	2.0	DFO	IC
2012	2	733	Appalachian Power Co	Electric Utility	Dresden Energy Facility	OH	55350	1	158.3	NG	CT
2012	2	733	Appalachian Power Co	Electric Utility	Dresden Energy Facility	OH	55350	2	158.3	NG	CT
2012	2	733	Appalachian Power Co	Electric Utility	Dresden Energy Facility	OH	55350	3	223.4	NG	CA
2012	2	803	Arizona Public Service Co	Electric Utility	Hyder Solar	AZ	57563	PV2	5.0	SUN	PV
2012	2	56865	Caithness Shepherds Flat LLC	IPP	North Hurlburt Wind LLC	OR	57526	NORTH	265.0	WND	WT
2012	2	57258	Concord Energy LLC	IPP	Concord Energy	NC	57896	UNT1	3.9	LFG	GT
2012	2	57258	Concord Energy LLC	IPP	Concord Energy	NC	57896	UNT2	3.9	LFG	GT
2012	2	57017	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NREL Main Campus	CO	57694	RSF2	0.4	SUN	PV
2012	2	56627	DeWind Co.	IPP	DeWind Frisco	TX	57517	FRISC	20.0	WND	WT
2012	2	57104	Golden Springs Development Company LLC	IPP	Golden Springs Building C-1	CA	57796	1	1.2	SUN	PV
2012	2	9205	Illinois Electricial Gen Partn	IPP	Morris Genco LLC	IL	55774	MO4	1.0	LFG	IC
2012	2	9205	Illinois Electricial Gen Partn	IPP	Morris Genco LLC	IL	55774	MO5	1.0	LFG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLVC	NM	57872	UNIT1	8.7	NG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLVC	NM	57872	UNIT2	8.7	NG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLVC	NM	57872	UNIT3	8.7	NG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLVC	NM	57872	UNIT4	8.7	NG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLVC	NM	57872	UNIT5	8.7	NG	IC
2012	2	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	5A	122.0	WAT	HY
2012	2	15500	Puget Sound Energy Inc	Electric Utility	Lower Snake River Wind Energy Project	WA	57195	LSR 1	342.0	WND	WT
2012	2	3608	Puna Geothermal Venture	IPP	Puna Geothermal Venture I	HI	52028	OEC31	6.0	GEO	BT
2012	2	3608	Puna Geothermal Venture	IPP	Puna Geothermal Venture I	HI	52028	OEC32	6.0	GEO	BT
2012	2	57093	RE Bruceville LLC	IPP	RE Bruceville 2	CA	57784	BRU2	5.0	SUN	PV
2012	2	57093	RE Bruceville LLC	IPP	RE Bruceville 3	CA	57785	BRU3	5.0	SUN	PV
2012	2	57090	RE Kammerer LLC	IPP	RE Kammerer 2	CA	57780	KAM2	5.0	SUN	PV
2012	2	57090	RE Kammerer LLC	IPP	RE Kammerer 3	CA	57782	KAM3	5.0	SUN	PV
2012	2	56981	Town of Falmouth	Electric Utility	Town of Falmouth WWTP	MA	57654	WIND2	1.7	WND	WT
2012	2	57082	Windstar Energy LLC	IPP	Windstar 1	CA	57774	WGNS	120.0	WND	WT
2012	3	11770	City of Martinsville - (VA)	Electric Utility	Martinsville LFG Generator	VA	57893	LFG1	1.0	LFG	IC
2012	3	57104	Golden Springs Development Company LLC	IPP	Golden Springs Building D	CA	57797	1	1.3	SUN	PV
2012	3	57142	Gundersen Lutheran Biogas I LLC	IPP	Onalaska Campus Landfill Biogas	WI	57824	416LF	1.1	LFG	IC
2012	3	57154	Heliocentric LLC	IPP	Heliocentric	CA	57831	1	1.3	SUN	PV
2012	3	56791	Hudson Ranch Power I LLC	IPP	John L. Featherstone Plant	CA	57475	HRP1	49.9	GEO	ST
2012	3	57272	Kootenai Electric Cooperative Inc	Electric Utility	Fighting Creek LFGTE Plant	ID	57902	G-123	1.6	LFG	IC
2012	3	57272	Kootenai Electric Cooperative Inc	Electric Utility	Fighting Creek LFGTE Plant	ID	57902	G-162	1.6	LFG	IC
2012	3	15477	Public Service Elec & Gas Co	Electric Utility	BlackRock-Matrix	NJ	57727	BLAR	2.5	SUN	PV
2012	3	56912	V.H. Cooper & Co., Inc.	Industrial	Cooper Farms VW Project	OH	57570	WTG	3.0	WND	WT
2012	3	54842	WM Renewable Energy LLC	IPP	Pine Tree Acres WM LFGTE	MI	57443	GEN1	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Pine Tree Acres WM LFGTE	MI	57443	GEN2	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Pine Tree Acres WM LFGTE	MI	57443	GEN3	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Pine Tree Acres WM LFGTE	MI	57443	GEN4	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Pine Tree Acres WM LFGTE	MI	57443	GEN5	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Pine Tree Acres WM LFGTE	MI	57443	GEN6	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Pine Tree Acres WM LFGTE	MI	57443	GEN7	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Pine Tree Acres WM LFGTE	MI	57443	GEN8	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Waste Management Lockwood LFGTE	NV	57166	GEN1	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	Waste Management Lockwood LFGTE	NV	57166	GEN2	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	West Camden	TN	57409	GEN1	1.6	LFG	IC
2012	3	54842	WM Renewable Energy LLC	IPP	West Camden	TN	57409	GEN2	1.6	LFG	IC

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 2012

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
2012	3	54842	WM Renewable Energy LLC	IPP	West Camden	TN	57409	GEN3	1.6	LFG	IC
2012	4	56696	Alamosa Operating Services LLC	IPP	Cogentrix of Alamosa	CO	57368	1	30.0	SUN	PV
2012	4	57194	City of Industry	Electric Utility	Industry MetroLink PV 1	CA	57860	1	1.5	SUN	PV
2012	4	11581	City of Manning	Electric Utility	Manning	IA	1160	M1	2.3	DFO	IC
2012	4	11581	City of Manning	Electric Utility	Manning	IA	1160	M2	2.3	DFO	IC
2012	4	11581	City of Manning	Electric Utility	Manning	IA	1160	M3	2.3	DFO	IC
2012	4	18231	City of Stuart - (IA)	Electric Utility	Gilliam South	IA	7857	7	2.3	DFO	IC
2012	4	50131	Enel Stillwater LLC	IPP	Stillwater Facility	NV	50765	1	21.8	SUN	PV
2012	4	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	5	375.0	NG	CA
2012	4	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	5ACT	232.5	NG	CT
2012	4	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	5BCT	232.5	NG	CT
2012	4	15399	Iberdrola Renewables Inc	IPP	South Chestnut LLC	PA	56796	1	50.4	WND	WT
2012	4	50158	Innovative Energy Systems Inc	IPP	DANC LFGTE Facility	NY	56958	GEN4	1.6	LFG	IC
2012	4	56637	SUNY-University at Buffalo	Commercial	SUNY Buffalo The Solar Strand	NY	57279	UBPV	1.1	SUN	PV
2012	4	16534	Sacramento Municipal Util Dist	Electric Utility	Solano Wind	CA	7526	3	128.0	WND	WT
2012	4	57022	Solar Power Inc.	IPP	North Palm Springs 1A	CA	57743	1	2.4	SUN	PV
2012	4	40580	Southern Minnesota Mun P Agny	Electric Utility	SMMPA Methane Energy Facility	MN	57903	UNIT1	1.5	LFG	IC
2012	4	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	CTG1	165.0	NG	CT
2012	4	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	CTG2	165.0	NG	CT
2012	4	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	CTG3	165.0	NG	CT
2012	4	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	STG1	383.0	NG	CA
2012	4	54842	WM Renewable Energy LLC	IPP	Oneida Herkimer	NY	57404	GEN1	1.6	LFG	IC
2012	5	55918	Acciona Wind Energy USA LLC	IPP	Dempsey Ridge Wind Farm	OK	56665	DR	132.0	WND	WT
2012	5	57340	Cashton Greens Wind Farm LLC	IPP	Cashton Greens Wind Farm	WI	57968	CGWF	5.0	WND	WT
2012	5	20180	City of Waterloo - (IL)	Electric Utility	Waterloo	IL	971	13	6.6	NG	GT
2012	5	56615	First Solar Energy LLC	IPP	Agua Caliente Solar Project	AZ	57373	AGU1	112.0	SUN	PV
2012	5	6541	Formosa Plastics Corp	Industrial	CFB Power Plant	TX	56708	G2101	143.1	PC	ST
2012	5	57335	GSG 6 LLC	IPP	Shady Oaks Wind Farm	IL	57964	1	109.5	WND	WT
2012	5	57159	L-8 Solar Project LLC	IPP	L-8 Solar Project	CA	57836	TSM	1.3	SUN	PV
2012	5	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	4	16.0	SUN	PV
2012	5	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	1	12.0	GEO	BT
2012	5	57496	Silver State Solar Power North, LLC	IPP	Silver State Solar Power North	NV	57442	56188	50.0	SUN	PV
2012	5	57361	SunE EPE2 LLC	IPP	SunE EPE2 LLC	NM	57985	1	13.6	SUN	PV
2012	5	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind VI	CA	57833	AW06	150.0	WND	WT
2012	5	56764	USG Nevada LLC	IPP	San Emidio	NV	57456	SE-U1	8.0	GEO	ST
2012	5	19553	Unisea Inc	Industrial	Unisea G 2	AK	54422	CAT4	1.0	DFO	IC
2012	5	19553	Unisea Inc	Industrial	Unisea G 2	AK	54422	CAT5	1.0	DFO	IC
2012	6	56267	Bayonne Energy Center LLC	IPP	Bayonne Energy Center	NJ	56964	GT1	57.7	NG	GT
2012	6	56267	Bayonne Energy Center LLC	IPP	Bayonne Energy Center	NJ	56964	GT2	57.7	NG	GT
2012	6	56267	Bayonne Energy Center LLC	IPP	Bayonne Energy Center	NJ	56964	GT3	57.7	NG	GT
2012	6	56267	Bayonne Energy Center LLC	IPP	Bayonne Energy Center	NJ	56964	GT4	57.7	NG	GT
2012	6	56267	Bayonne Energy Center LLC	IPP	Bayonne Energy Center	NJ	56964	GT5	57.7	NG	GT
2012	6	56267	Bayonne Energy Center LLC	IPP	Bayonne Energy Center	NJ	56964	GT6	57.7	NG	GT
2012	6	56267	Bayonne Energy Center LLC	IPP	Bayonne Energy Center	NJ	56964	GT7	57.7	NG	GT
2012	6	56267	Bayonne Energy Center LLC	IPP	Bayonne Energy Center	NJ	56964	GT8	57.7	NG	GT
2012	6	56988	Cimarron Windpower II, LLC	IPP	Cimarron Windpower II	KS	57663	1	131.0	WND	WT
2012	6	2010	City of Bountiful	Electric Utility	Bountiful City	UT	3665	2A	11.0	NG	GT
2012	6	2010	City of Bountiful	Electric Utility	Bountiful City	UT	3665	3A	11.0	NG	GT
2012	6	19856	City of Vineland - (NJ)	Electric Utility	Howard Down	NJ	2434	11	56.2	NG	GT
2012	6	56769	Consolidated Edison Development Inc.	Electric Utility	Dartmouth II Solar	MA	57838	D2MA	2.0	SUN	PV
2012	6	57319	Constellation Solar Massachusetts LLC	IPP	Town of Norfolk MA at Medway Branch	MA	57942	PV1	1.2	SUN	PV
2012	6	57318	Constellation Solar Net Metering LLC	IPP	Town of Uxbridge MA at Commerce Dr	MA	57941	PV1	1.8	SUN	PV
2012	6	9191	Idaho Power Co	Electric Utility	Langley Gulch Power Plant	ID	57028	GTG	175.8	NG	CT
2012	6	9191	Idaho Power Co	Electric Utility	Langley Gulch Power Plant	ID	57028	STG	122.9	NG	CA
2012	6	56341	Kaheawa Wind Power II LLC	IPP	Kaheawa Wind Power II LLC	HI	57082	1	21.0	WND	WT
2012	6	56341	Kaheawa Wind Power II LLC	IPP	Kaheawa Wind Power II LLC	HI	57082	2	10.0	MWH	BA
2012	6	11208	Los Angeles Department of Water & Power	IPP	Adelanto Solar Project	CA	57305	1	10.0	SUN	PV
2012	6	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	5	16.0	SUN	PV
2012	6	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	2	12.0	GEO	BT
2012	6	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	3	6.0	GEO	BT
2012	6	55723	PPL Renewable Energy LLC	IPP	Warren County	NJ	56888	GEN 1	0.5	SUN	PV
2012	6	55723	PPL Renewable Energy LLC	IPP	Warren County	NJ	56888	GEN 2	0.5	SUN	PV
2012	6	55723	PPL Renewable Energy LLC	IPP	Warren County	NJ	56888	GEN 3	0.5	SUN	PV
2012	6	55723	PPL Renewable Energy LLC	IPP	Warren County	NJ	56888	GEN 4	0.5	SUN	PV
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	131	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	132	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	133	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	134	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	141	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	142	44.5	NG	GT
2012	6	15452	PSEG Power Connecticut LLC	IPP	New Haven Harbor	CT	6156	2	44.5	NG	GT
2012	6	15452	PSEG Power Connecticut LLC	IPP	New Haven Harbor	CT	6156	3	44.5	NG	GT
2012	6	15452	PSEG Power Connecticut LLC	IPP	New Haven Harbor	CT	6156	4	44.5	NG	GT
2012	6	14328	Pacific Gas & Electric Co	Electric Utility	Cantua Solar Station	CA	57522	1	20.0	SUN	PV
2012	6	14328	Pacific Gas & Electric Co	Electric Utility	Giffen	CA	57521	1	10.0	SUN	PV
2012	6	14328	Pacific Gas & Electric Co	Electric Utility	Huron Solar Station	CA	57523	1	20.0	SUN	PV
2012	6	15330	Prairie State Generating Co LLC	IPP	Prairie State Generatng Station	IL	55856	PC1	800.0	BIT	ST
2012	6	57482	Sandy Ridge Wind Energy LLC	IPP	Sandy Ridge Wind Farm	PA	57285	1	48.2	WND	WT
2012	6	17650	Southern Power Co	IPP	Nacogdoches Power	TX	55708	STG4	100.0	WDS	ST
2012	6	57360	SunE EPE1 LLC	IPP	SunE EPE1 LLC	NM	57986	1	11.3	SUN	PV
2012	6	56749	UTS SJ1 LLC	Electric CHP	UTS SJ1 LLC	CA	57420	1	1.4	OBG	FC
2012	7	57312	ACE - Sacramento Solar LLC	Industrial	Campbell Soup Solar Facility	CA	57933	CSSF	1.9	SUN	PV
2012	7	291	Algonquin Windsor Locks LLC	Electric CHP	Algonquin Windsor Locks	CT	10567	GTG2	13.0	NG	CT
2012	7	56865	Caithness Shepherds Flat LLC	IPP	Horseshoe Bend Wind LLC	OR	57550	HORSE	290.0	WND	WT
2012	7	56865	Caithness Shepherds Flat LLC	IPP	South Hurlburt Wind LLC	OR	57549	SOUTH	290.0	WND	WT
2012	7	57065	Constellation Solar Horizons LLC	IPP	Mount Saint Mary's	MD	57758	PV1	13.7	SUN	PV
2012	7	57325	Eagle Rock Field Services LLP	Industrial	Woodall Gas Plant	TX	57952	GEN1	1.0	NG	IC
2012	7	57325	Eagle Rock Field Services LLP	Industrial	Woodall Gas Plant	TX	57952	GEN2	1.0	NG	IC

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 2012

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
2012	7	57325	Eagle Rock Field Services LLP	Industrial	Woodall Gas Plant	TX	57952	GEN3	1.0	NG	IC
2012	7	49893	Invenergy Services LLC	IPP	Grand Ridge Solar Farm	IL	57912	1	20.0	SUN	PV
2012	7	57386	SunE CPS3 LLC	IPP	SunE CPS3 LLC	TX	58009	1	5.6	SUN	PV
2012	7	57386	SunE CPS3 LLC	IPP	SunE CPS3 LLC	TX	58009	2	5.0	SUN	PV
2012	7	19281	Turlock Irrigation District	Electric Utility	Almond Power Plant	CA	7315	2	50.0	NG	GT
2012	7	19281	Turlock Irrigation District	Electric Utility	Almond Power Plant	CA	7315	3	50.0	NG	GT
2012	7	19281	Turlock Irrigation District	Electric Utility	Almond Power Plant	CA	7315	4	50.0	NG	GT
2012	7	19876	Virginia Electric & Power Co	Electric Utility	Virginia City Hybrid Energy Center	VA	56808	1	585.0	BIT	ST
2012	7	57257	Wildcat Wind LLC	IPP	Wildcat Wind	NM	57887	1	27.3	WND	WT
2012	8	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	2A	27.5	WAT	HY
2012	8	56189	American Profol Incorporated	IPP	Alliant SBD 9203 Profol	IA	54719	6918	2.0	DFO	IC
2012	8	1307	Basin Electric Power Coop	Electric Utility	Deer Creek Station	SD	56610	1	150.0	NG	CA
2012	8	1307	Basin Electric Power Coop	Electric Utility	Deer Creek Station	SD	56610	2	150.0	NG	CT
2012	8	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV03	34.0	SUN	PV
2012	8	5906	EDF Renewable Services Inc	IPP	Pacific Wind LLC	CA	57757	1	151.7	WND	WT
2012	8	57389	IKEA Property Inc	Commercial	IKEA Tampa 042	FL	58012	PV	1.0	SUN	PV
2012	8	56967	Ironwood Windpower LLC	IPP	Ironwood Wind	KS	57639	1	167.9	WND	WT
2012	8	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	6	8.0	SUN	PV
2012	8	56545	Pattern Operators LP	IPP	Spring Valley Wind Project	NV	57192	WTG	150.0	WND	WT
2012	8	57273	SS San Antonio West LLC	IPP	San Antonio West Solar Rooftop	CA	57904	CHNO	1.5	SUN	PV
2012	8	40575	Utah Associated Mun Power Sys	Electric Utility	Horse Butte Wind I, LLC	ID	57890	1	57.6	WND	WT
2012	9	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	1A	27.5	WAT	HY
2012	9	2287	City of Brooklyn	Electric Utility	Brooklyn	IA	1128	7	2.0	DFO	IC
2012	9	6192	City of Farmer City	Electric Utility	Farmer City	IL	941	6	2.0	DFO	IC
2012	9	6192	City of Farmer City	Electric Utility	Farmer City	IL	941	7	2.0	DFO	IC
2012	9	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV02	30.0	SUN	PV
2012	9	56627	DeWind Co.	IPP	DeWind Novus	OK	57516	NOVUS	80.0	WND	WT
2012	9	56215	E ON Climate Renewables N America Inc	IPP	Magic Valley Wind Farm I LLC	TX	57802	MV1	203.0	WND	WT
2012	9	5906	EDF Renewable Services Inc	IPP	Spinning Spur Wind LLC	TX	57973	GEN1	161.0	WND	WT
2012	9	57476	Foundation CA Fund VI Manager LLC		Foundation Wal-Mart Red Bluff	CA	58105	WTG1	1.0	WND	WT
2012	9	57480	Heritage Garden Wind Farm I LLC		Heritage Garden Wind Farm I LLC	MI	58103	1	28.0	WND	WT
2012	9	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2A	21.0	SUN	PV
2012	9	57389	IKEA Property Inc	Commercial	IKEA Round Rock 027	TX	58013	PV	1.3	SUN	PV
2012	9	57389	IKEA Property Inc	Commercial	IKEA Savannah 490	GA	58011	PV	1.2	SUN	PV
2012	9	57053	Laurel Wind Energy LLC	IPP	Laurel Hill Wind	PA	57744	1	69.0	WND	WT
2012	9	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	7	16.0	SUN	PV
2012	9	12341	MidAmerican Energy Co	Electric Utility	Eclipse Wind Farm	IA	57873	EWF	200.0	WND	WT
2012	9	57002	Post Rock Wind Power Project, LLC	IPP	Post Rock Wind Power Project, LLC	KS	57678	1	201.0	WND	WT
2012	9	57177	SEAI Elk Grove LLC	IPP	Green Acres Solar Facility 1	CA	57849	GASF1	3.0	SUN	PV
2012	9	57177	SEAI Elk Grove LLC	IPP	Green Acres Solar Facility 2	CA	57850	GASF2	1.0	SUN	PV
2012	9	27075	San Diego County Water Auth	Electric Utility	Lake Hodges Hydroelectric Facility	CA	57729	1	21.0	WAT	PS
2012	9	27075	San Diego County Water Auth	Electric Utility	Lake Hodges Hydroelectric Facility	CA	57729	2	21.0	WAT	PS
2012	9	57395	Shooting Star Wind Project LLC	IPP	Shooting Star Wind Project LLC	KS	58018	1	104.0	WND	WT
2012	9	57073	Solar Star California XV, LLC	Commercial	Naval Air Weapons Station China Lake	CA	57764	1	11.1	SUN	PV
2012	9	54842	WM Renewable Energy LLC	IPP	Northwest Regional	AZ	57403	GEN1	1.6	LFG	IC
2012	9	54842	WM Renewable Energy LLC	IPP	Northwest Regional	AZ	57403	GEN2	1.6	LFG	IC
2012	10	55963	AE Power Services LLC	IPP	Flat Ridge 2 Wind Energy LLC	KS	57787	1	470.2	WND	WT
2012	10	221	Alaska Village Elec Coop, Inc	Electric Utility	Emmonak	AK	6314	2A	0.5	DFO	IC
2012	10	57150	Bethel Wind Energy LLC	IPP	Hawkeye Wind Farm	IA	57832	NORD	36.0	WND	WT
2012	10	56146	Black Hills/Colorado Elec.Util	IPP	Busch Ranch Wind Energy Farm	CO	57980	WTG	11.0	WND	WT
2012	10	56342	Blue Sky East LLC	IPP	Bull Hill Wind Project	ME	57083	1	34.5	WND	WT
2012	10	56769	Consolidated Edison Development Inc.	IPP	PA Solar Park	PA	57256	1	10.0	SUN	PV
2012	10	56769	Consolidated Edison Development Inc.	IPP	Shrewsbury Solar	MA	57990	SSMA	2.5	SUN	PV
2012	10	49981	Diamond Generating Corporation	IPP	Mariposa Energy Project	CA	57483	CTG1	49.9	NG	GT
2012	10	49981	Diamond Generating Corporation	IPP	Mariposa Energy Project	CA	57483	CTG2	49.9	NG	GT
2012	10	49981	Diamond Generating Corporation	IPP	Mariposa Energy Project	CA	57483	CTG3	49.9	NG	GT
2012	10	49981	Diamond Generating Corporation	IPP	Mariposa Energy Project	CA	57483	CTG4	49.9	NG	GT
2012	10	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	6	375.0	NG	CA
2012	10	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	6ACT	232.5	NG	CT
2012	10	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	6BCT	232.5	NG	CT
2012	10	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	30	65.9	NG	CA
2012	10	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	31	43.2	NG	CT
2012	10	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	32	43.2	NG	CT
2012	10	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	10	12.0	SUN	PV
2012	10	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	11	16.0	SUN	PV
2012	10	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	8	12.0	SUN	PV
2012	10	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	9	16.0	SUN	PV
2012	10	12341	MidAmerican Energy Co	Electric Utility	Morning Light Wind Farm	IA	57875	MLWF	101.0	WND	WT
2012	10	57493	MidAmerican Renewables LLC		Bishop Hill II Wind Farm	IL	58111	1	81.0	WND	WT
2012	10	56990	NJR Clean Energy Ventures Corporation	IPP	Reeves Station Rd East	NJ	58030	REEVE	5.5	SUN	PV
2012	10	55723	PPL Renewable Energy LLC	IPP	Allenwood	PA	57581	1	1.6	LFG	IC
2012	10	55723	PPL Renewable Energy LLC	IPP	Allenwood	PA	57581	2	1.6	LFG	IC
2012	10	55723	PPL Renewable Energy LLC	IPP	Lycoming County	PA	57582	1	1.5	LFG	IC
2012	10	55723	PPL Renewable Energy LLC	IPP	Lycoming County	PA	57582	2	1.5	LFG	IC
2012	10	15726	Rayonier Performance Fibers, LLC	Industrial	Rayonier Fernandina Mill	FL	10562	GEN5	21.0	WDL	ST
2012	10	57149	Rippey Wind Energy LLC	IPP	Rippey Wind Farm	IA	57830	NORD	50.0	WND	WT
2012	10	57219	Siete Solar LLC	IPP	Queen Creek Solar Farm	AZ	57883	GEN1	18.6	SUN	PV
2012	10	54842	WM Renewable Energy LLC	IPP	Prairie Bluff	MS	57408	GEN1	1.6	LFG	IC
2012	11	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	4A	27.5	WAT	HY
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G1	6.8	LFG	CT
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G2	6.8	LFG	CT
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G3	6.8	LFG	CT
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G4	6.8	LFG	CT
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G5	10.0	LFG	CA
2012	11	58143	Cimarron Wind Energy	IPP	Cimarron Wind Energy	KS	57762	CPV1	165.6	WND	WT
2012	11	18277	City of Sullivan - (IL)	Electric Utility	Sullivan	IL	969	13	2.3	DFO	IC
2012	11	18277	City of Sullivan - (IL)	Electric Utility	Sullivan	IL	969	14	2.3	DFO	IC
2012	11	18277	City of Sullivan - (IL)	Electric Utility	Sullivan	IL	969	15	2.3	DFO	IC

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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
2012	11	57365	Consolidated Edison Solutions Inc	IPP	Boston Scientific Solar	MA	57992	BSMA	1.1	SUN	PV
2012	11	4254	Consumers Energy Co	Electric Utility	Lake Winds Energy Park	MI	57984	LWEP	100.8	WND	WT
2012	11	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV01	30.0	SUN	PV
2012	11	5084	Delaware Municipal Electric Corp	Electric Utility	Warren F Sam Beasley Generation Station	DE	7962	2	50.0	NG	GT
2012	11	34505	Edison Mission Energy	IPP	Crofton Bluffs Wind LLC	NE	57278	CWET1	40.0	WND	WT
2012	11	7601	Green Mountain Power Corp	Electric Utility	Kingdom Community Wind	VT	57979	KCW	65.0	WND	WT
2012	11	57256	Harvest II Windfarm LLC	IPP	Harvest II Windfarm	MI	57888	1	59.4	WND	WT
2012	11	56868	Kawailoa Wind LLC	IPP	Kawailoa Wind	HI	57529	1	69.0	WND	WT
2012	11	57503	Limon		Limon Wind I	CO	58126	1	200.0	WND	WT
2012	11	57503	Limon		Limon Wind II	CO	58127	1	200.0	WND	WT
2012	11	56072	Marble River Wind Farm, LLC	IPP	Marble River Wind Farm	NY	56857	GEN1	215.0	WND	WT
2012	11	12341	MidAmerican Energy Co	Electric Utility	Vienna Wind Farm	IA	57874	VIWF	103.0	WND	WT
2012	11	57405	NLH1 Solar LLC		Nickel 1 Solar Facility	CA	58034	1	1.5	SUN	PV
2012	11	58090	NextEra Energy Resources Ensign Wind		Ensign Wind LLC	KS	58137	1	98.9	WND	WT
2012	11	40613	Northern California Power Agny	Electric Utility	Lodi Energy Center	CA	57978	CT1	162.0	NG	CT
2012	11	40613	Northern California Power Agny	Electric Utility	Lodi Energy Center	CA	57978	ST1	95.0	NG	CA
2012	11	58084	Oberlin Spear Point Solar One, LLC		Oberlin Spear Point Solar One	OH	58134	OSSO	2.0	SUN	PV
2012	11	15330	Prairie State Generating Co LLC	IPP	Prairie State Generatng Station	IL	55856	PC2	800.0	BIT	ST
2012	11	57114	RE McKenzie LLC	IPP	RE McKenzie 1	CA	57816	MCK1	5.0	SUN	PV
2012	11	57114	RE McKenzie LLC	IPP	RE McKenzie 2	CA	57817	MCK2	5.0	SUN	PV
2012	11	57114	RE McKenzie LLC	IPP	RE McKenzie 3	CA	57818	MCK3	5.0	SUN	PV
2012	11	57114	RE McKenzie LLC	IPP	RE McKenzie 4	CA	57819	MCK4	5.0	SUN	PV
2012	11	57114	RE McKenzie LLC	IPP	RE McKenzie 5	CA	57820	MCK5	5.0	SUN	PV
2012	11	57114	RE McKenzie LLC	IPP	RE McKenzie 6	CA	57821	MCK6	5.0	SUN	PV
2012	11	57022	Solar Power Inc.	IPP	North Palm Springs 4A	CA	57722	1	4.0	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	McGrath Peaker Generating Station	CA	56471	1	48.0	NG	GT
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #05	CA	57219	S005A	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #05	CA	57219	S005B	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #05	CA	57219	S005C	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #05	CA	57219	S005D	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #05	CA	57219	S005E	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #07	CA	57221	S007A	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #07	CA	57221	S007B	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #07	CA	57221	S007C	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #07	CA	57221	S007D	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #07	CA	57221	S007E	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #18	CA	57232	S018A	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #18	CA	57232	S018B	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #18	CA	57232	S018C	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42A	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42B	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42C	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42D	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42E	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42F	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42G	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42H	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42I	0.5	SUN	PV
2012	11	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #42	CA	57441	S42J	0.5	SUN	PV
2012	11	50147	US Geothermal Inc.	IPP	Neal Hot Springs Geothermal Project	OR	58022	NHS1	5.9	GEO	BT
2012	11	50147	US Geothermal Inc.	IPP	Neal Hot Springs Geothermal Project	OR	58022	NHS2	5.9	GEO	BT
2012	11	9303	Verso Bucksport LLC	Industrial	Verso Paper	ME	50243	GEN5	24.0	NG	ST
2012	12	55963	AE Power Services LLC	IPP	Mehoopany Wind Energy LLC	PA	57769	1	141.0	WND	WT
2012	12	57337	Aegis Renewables LLC	IPP	Cold Springs Windfarm	ID	57431	1	23.0	WND	WT
2012	12	57337	Aegis Renewables LLC	IPP	Desert Meadow Windfarm	ID	57430	1	23.0	WND	WT
2012	12	57337	Aegis Renewables LLC	IPP	Hammett Hill Windfarm	ID	57428	1	23.0	WND	WT
2012	12	57337	Aegis Renewables LLC	IPP	Mainline Windfarm	ID	57429	1	23.0	WND	WT
2012	12	57337	Aegis Renewables LLC	IPP	Ryegrass Windfarm	ID	57427	1	23.0	WND	WT
2012	12	57337	Aegis Renewables LLC	IPP	Two Ponds Windfarm	ID	57444	1	23.0	WND	WT
2012	12	56304	Air Products LLC	Industrial	Air Products Port Arthur	TX	55309	GEN 5	32.8	NG	CT
2012	12	57416	Anchor Wind LLC		Pioneer Grove Wind Farm	IA	58044	GEN1	4.5	WND	WT
2012	12	803	Arizona Public Service Co	Electric Utility	Chino Solar Valley	AZ	57560	PV1	7.0	SUN	PV
2012	12	57372	Auwahi Wind Energy LLC	IPP	Auwahi Wind Energy	HI	57996	AWEB	11.0	MWH	BA
2012	12	57372	Auwahi Wind Energy LLC	IPP	Auwahi Wind Energy	HI	57996	AWET	24.0	WND	WT
2012	12	57421	BayWa r.e Mozart LLC		BayWa r.e Mozart LLC	TX	58048	1	30.0	WND	WT
2012	12	57397	Beebe Renewable Energy LLC	IPP	Beebe Renewable Energy LLC	MI	58020	1	81.6	WND	WT
2012	12	57373	Big Savage LLC	IPP	Twin Ridges Wind Farm	PA	57998	1	139.4	WND	WT
2012	12	57413	Black Mountain Solar LLC		Black Mountain Solar LLC	AZ	58042	1	9.0	SUN	PV
2012	12	2048	Bowersock Mills & Power Co	IPP	Kansas River Project	KS	10279	10	1.4	WAT	HY
2012	12	2048	Bowersock Mills & Power Co	IPP	Kansas River Project	KS	10279	11	1.0	WAT	HY
2012	12	2048	Bowersock Mills & Power Co	IPP	Kansas River Project	KS	10279	8	1.0	WAT	HY
2012	12	2048	Bowersock Mills & Power Co	IPP	Kansas River Project	KS	10279	9	1.4	WAT	HY
2012	12	57363	Canadian Hills Wind LLC	IPP	Canadian Hills Wind	OK	57987	1	298.5	WND	WT
2012	12	57412	Chisholm View Wind Project	IPP	Chisholm View Wind Project	OK	58041	1	235.2	WND	WT
2012	12	58134	Cirrus Wind 1 LLC		Cirrus Wind 1 LLC	TX	58162	CW	61.2	WND	WT
2012	12	56523	Colorado Highlands Wind LLC	IPP	Colorado Highlands Wind	CO	57174	CHW1	67.2	WND	WT
2012	12	56769	Consolidated Edison Development Inc.	IPP	Alpaugh 50	CA	58003	SPS50	50.0	SUN	PV
2012	12	56769	Consolidated Edison Development Inc.	IPP	Alpaugh North	CA	58002	SPS	20.0	SUN	PV
2012	12	56769	Consolidated Edison Development Inc.	IPP	Douglas Solar	MA	57934	DOMA	2.0	SUN	PV
2012	12	56769	Consolidated Edison Development Inc.	IPP	Groveland Solar	MA	57989	GSMA	3.2	SUN	PV
2012	12	57365	Consolidated Edison Solutions Inc	IPP	Padelford Solar	MA	58032	PSMA	2.2	SUN	PV
2012	12	56627	DeWind Co.	IPP	DeWind Novus II	OK	57889	NOVII	40.0	WND	WT
2012	12	5109	Detroit Edison Co	Electric Utility	McKinley Wind Park	MI	57853	1	14.4	WND	WT
2012	12	5109	Detroit Edison Co	Electric Utility	Minden Wind Park	MI	57852	1	32.0	WND	WT
2012	12	5109	Detroit Edison Co	Electric Utility	Sigel Wind Park	MI	57851	1	64.0	WND	WT
2012	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Cliffside	NC	2721	6	825.0	BIT	ST
2012	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	CT8	165.0	NG	CT
2012	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	CT9	165.0	NG	CT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 2012

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
2012	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	ST7	290.0	NG	CA
2012	12	56272	Duke Energy DEGS Notrees	IPP	Notrees Windpower	TX	56961	BATT	36.0	MWH	BA
2012	12	56215	E ON Climate Renewables N America Inc	IPP	Anacacho Wind Farm, LLC	TX	58000	ANA	99.8	WND	WT
2012	12	56215	E ON Climate Renewables N America Inc	IPP	Wildcat Wind Farm I, LLC	IN	57862	1	200.0	WND	WT
2012	12	5906	EDF Renewable Services Inc	IPP	Bobcat Bluff Wind Project LLC	TX	57974	GEN1	150.0	WND	WT
2012	12	5906	EDF Renewable Services Inc	IPP	Catalina Solar LLC	CA	57708	INV	110.0	SUN	PV
2012	12	5906	EDF Renewable Services Inc	IPP	Shiloh IV Wind Project LLC	CA	57725	1	101.3	WND	WT
2012	12	5906	EDF Renewable Services Inc	IPP	Spearville 3 LLC	KS	57975	GEN1	108.0	WND	WT
2012	12	34505	Edison Mission Energy	IPP	Broken Bow Wind LLC	NE	57593	1	79.9	WND	WT
2012	12	49932	Enel North America, Inc.	IPP	Prairie Rose Wind Farm	MN	57644	PR1	200.0	WND	WT
2012	12	58150	Fagen Inc.	IPP	Big Blue	MN	57289	BBWP	36.0	WND	WT
2012	12	56615	First Solar Energy LLC	IPP	Agua Caliente Solar Project	AZ	57373	AGU2	136.0	SUN	PV
2012	12	57484	Foundation CA Fund V Manager, LLC		Foundation NWNA	CA	58114	WTG1	1.6	WND	WT
2012	12	57484	Foundation CA Fund V Manager, LLC		Foundation NWNA	CA	58114	WTG2	1.6	WND	WT
2012	12	57484	Foundation CA Fund V Manager, LLC		Foundation RRM	CA	58113	WTG1	1.0	WND	WT
2012	12	57484	Foundation CA Fund V Manager, LLC		Foundation RRM	CA	58113	WTG2	1.0	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Cemex BMQ	CA	58102	WTG1	1.5	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Cemex BMQ	CA	58102	WTG2	1.5	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Cemex River Plant	CA	58101	WTG1	1.6	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Cemex River Plant	CA	58101	WTG2	1.6	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Superior Farms	CA	58104	WTG1	1.0	WND	WT
2012	12	57171	Franklin County Wind LLC	IPP	Franklin County Wind Farm	IA	57844	1	99.0	WND	WT
2012	12	57354	Gestamp Asetym Solar North America		La Joya Del Sol	CA	58118	JDS1	1.5	SUN	PV
2012	12	57354	Gestamp Asetym Solar North America		SVEP Solar Project Company	VT	58144	SVEP1	2.0	SUN	PV
2012	12	57354	Gestamp Asetym Solar North America		Williamstown Solar	VT	58145	WTS_1	2.0	SUN	PV
2012	12	57396	High Mesa Energy LLC	IPP	High Mesa Energy LLC	ID	58019	1	40.0	WND	WT
2012	12	15399	Iberdrola Renewables Inc		Groton Wind LLC	NH	58141	1	48.0	WND	WT
2012	12	15399	Iberdrola Renewables Inc	IPP	Manzana Wind LLC	CA	57484	GEN1	189.0	WND	WT
2012	12	15399	Iberdrola Renewables Inc	IPP	New England Wind LLC	MA	57380	1	28.5	WND	WT
2012	12	49893	Invenergy Services LLC	IPP	California Ridge Wind Energy LLC	IL	58008	CR	200.0	WND	WT
2012	12	57410	K Road Modesto Solar LLC	IPP	K Road Modesto Solar	CA	58039	1	25.0	SUN	PV
2012	12	57183	Kiara Solar Inc	Electric CHP	Kiara Anderson Plant	CA	57857	1	6.8	WDS	ST
2012	12	57063	Los Vientos Wind 1A, LLC	IPP	Los Vientos Wind 1A	TX	57751	1	200.0	WND	WT
2012	12	57064	Los Vientos Wind 1B, LLC	IPP	Los Vientos Wind 1B	TX	57752	1	201.6	WND	WT
2012	12	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	12	16.0	SUN	PV
2012	12	58193	Minonk Wind Energy LLC	IPP	Minonk Wind Farm	IL	57284	1	192.3	WND	WT
2012	12	57333	Musselshell Wind Project LLC	IPP	Musselshell Wind Project	MT	57963	MWP1	10.0	WND	WT
2012	12	57338	Musselshell Wind Project Two LLC	IPP	Musselshell Wind Project Two LLC	MT	57965	MWP2	10.0	WND	WT
2012	12	56990	NJR Clean Energy Ventures Corporation		Wakefern Food Corp	NJ	58123	1	2.0	SUN	PV
2012	12	57370	NaturEner Rim Rock Energy LLC	IPP	NaturEner Rim Rock Energy	MT	57995	RR	180.0	WND	WT
2012	12	58121	North Sky River Energy LLC		North Sky River Energy LLC	CA	58154	GEN1	162.0	WND	WT
2012	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	2A	122.0	WAT	HY
2012	12	56869	Palouse Wind LLC	IPP	Palouse	WA	57530	1	105.3	WND	WT
2012	12	56545	Pattern Operators LP	IPP	Ocotillo Express LLC	CA	57514	WTG	265.4	WND	WT
2012	12	57374	Patton Wind LLC	IPP	Patton Wind Farm	PA	57999	1	61.5	WND	WT
2012	12	57075	Ridgeline Energy LLC		Meadow Creek Project Company	ID	58106	MCPC	115.8	WND	WT
2012	12	58192	Senate Wind Energy LLC	IPP	Senate Wind LLC	TX	57981	GEN1	150.0	WND	WT
2012	12	57390	Siemens Government Technologies Inc	IPP	WSMR I	NM	58010	WSMR1	3.7	SUN	PV
2012	12	57390	Siemens Government Technologies Inc	IPP	WSMR I	NM	58010	WSMR2	0.4	SUN	PV
2012	12	17650	Southern Power Co	IPP	Cleveland Cnty Generating Facility	NC	57029	1	180.0	NG	GT
2012	12	17650	Southern Power Co	IPP	Cleveland Cnty Generating Facility	NC	57029	2	180.0	NG	GT
2012	12	17650	Southern Power Co	IPP	Cleveland Cnty Generating Facility	NC	57029	3	180.0	NG	GT
2012	12	17650	Southern Power Co	IPP	Cleveland Cnty Generating Facility	NC	57029	4	180.0	NG	GT
2012	12	17698	Southwestern Electric Power Co	Electric Utility	John W Turk Jr Power Plant	AR	56564	1	609.0	SUB	ST
2012	12	50147	US Geothermal Inc.	IPP	Neal Hot Springs Geothermal Project	OR	58022	NHS3	5.9	GEO	BT
2012	12	24008	University of Oregon		Univ of Oregon Central Power Station	OR	54950	CTG1	8.5	NG	CT
2012	12	24008	University of Oregon		Univ of Oregon Central Power Station	OR	54950	STG1	2.5	NG	CA
2012	12	58088	Washington White Post Solar LLC		Washington White Post Solar LLC	NC	58135	1	12.4	SUN	PV
2012	12	57398	Whitetail Wind Energy LLC	IPP	Whitetail Wind Energy LLC	TX	58021	1	92.0	WND	WT
2012	12	57417	Zephyr Wind LLC		Community Wind South	MN	58045	GEN1	30.0	WND	WT

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 obtained from the Form EIA-860 instructions at the following link: http://www.eia.gov/survey/form/eia_860/instructions.pdf
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.'

Year-to-Date Capacity Statistics

	Net Summer Capacity (megawatts)
Year-to-Date Capacity of New Units	25,136.4
Year-to-Date Capacity of Retired Units	10,151.6
Year-to-Date U.S. Capacity	1,066,235.8

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant, and Month, 2012

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
2012	1	12199	Montana-Dakota Utilities Co	Electric Utility	Williston	ND	2791	2	4.7	NG	GT
2012	1	22500	Westar Energy Inc	Electric Utility	Tecumseh Energy Center	KS	1252	1	18.0	NG	GT
2012	1	22500	Westar Energy Inc	Electric Utility	Tecumseh Energy Center	KS	1252	2	19.0	NG	GT
2012	2	15470	Duke Energy Indiana Inc	Electric Utility	R Gallagher	IN	1008	1	140.0	BIT	ST
2012	2	15470	Duke Energy Indiana Inc	Electric Utility	R Gallagher	IN	1008	3	140.0	BIT	ST
2012	2	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	1	251.0	BIT	ST
2012	2	12981	Motiva Enterprises LLC	Industrial	Motiva Enterprises Port Arthur Refinery	TX	50973	GN26	9.7	NG	CS
2012	2	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	2	103.8	WAT	HY
2012	2	20323	Wellhead Services Inc	Electric CHP	Binghamton Cogen	NY	55600	1	42.0	NG	GT
2012	3	7840	GWF Power Systems, L.P.	IPP	East Third Street Power Plant	CA	10367	GEN1	18.7	PC	ST
2012	3	7840	GWF Power Systems, L.P.	IPP	Loveridge Road Power Plant	CA	10368	GEN1	18.0	PC	ST
2012	3	7840	GWF Power Systems, L.P.	IPP	Nichols Road Power Plant	CA	10371	GEN1	17.8	PC	ST
2012	3	7840	GWF Power Systems, L.P.	IPP	Wilbur East Power Plant	CA	10370	GEN1	18.1	PC	ST
2012	3	7840	GWF Power Systems, L.P.	IPP	Wilbur West Power Plant	CA	10369	GEN1	18.2	PC	ST
2012	3	7140	Georgia Power Co	Electric Utility	Mitchell	GA	727	4C	31.0	DFO	GT
2012	3	8032	Hanford L.P.	IPP	Hanford	CA	10373	GEN1	25.3	PC	ST
2012	3	18041	State Line Energy LLC	IPP	State Line Energy	IN	981	3	124.9	SUB	ST
2012	3	18041	State Line Energy LLC	IPP	State Line Energy	IN	981	4	209.4	SUB	ST
2012	4	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	1	67.0	BIT	ST
2012	4	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	2	67.0	BIT	ST
2012	4	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	3	142.0	BIT	ST
2012	4	361	Industrial Energy Applications Inc	IPP	Alliant SBD 9801 Aegon Martha's Way	IA	56072	1	1.0	DFO	IC
2012	4	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	1	107.0	BIT	ST
2012	4	56190	Savannah River Nuclear Solutions LLC	Electric CHP	US DOE Savannah River Site (D Area)	SC	7652	HP-1	9.4	BIT	ST
2012	4	56190	Savannah River Nuclear Solutions LLC	Electric CHP	US DOE Savannah River Site (D Area)	SC	7652	HP-2	9.4	BIT	ST
2012	4	56190	Savannah River Nuclear Solutions LLC	Electric CHP	US DOE Savannah River Site (D Area)	SC	7652	HP-3	9.4	BIT	ST
2012	4	56190	Savannah River Nuclear Solutions LLC	Electric CHP	US DOE Savannah River Site (D Area)	SC	7652	LP-1	12.5	BIT	ST
2012	4	56190	Savannah River Nuclear Solutions LLC	Electric CHP	US DOE Savannah River Site (D Area)	SC	7652	LP-2	12.5	BIT	ST
2012	4	56190	Savannah River Nuclear Solutions LLC	Electric CHP	US DOE Savannah River Site (D Area)	SC	7652	LP-3	12.5	BIT	ST
2012	4	56190	Savannah River Nuclear Solutions LLC	Electric CHP	US DOE Savannah River Site (D Area)	SC	7652	LP-4	12.5	BIT	ST
2012	4	17105	Sherman Hospital	Commercial	Sherman Hospital	IL	50909	1	0.8	NG	IC
2012	4	17105	Sherman Hospital	Commercial	Sherman Hospital	IL	50909	2	0.8	NG	IC
2012	5	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	1	21.0	WAT	HY
2012	5	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	2	21.0	WAT	HY
2012	5	6035	Exelon Power	IPP	Eddystone Generating Station	PA	3161	2	309.0	BIT	ST
2012	5	15274	Potomac Power Resources	IPP	Benning	DC	603	15	275.0	DFO	ST
2012	5	15274	Potomac Power Resources	IPP	Benning	DC	603	16	275.0	DFO	ST
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	E1	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	E2	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	E4	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	E5	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	E6	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	E7	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	E8	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	W10	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	W11	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	W12	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	W13	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	W14	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	W15	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	W16	16.0	DFO	GT
2012	5	15274	Potomac Power Resources	IPP	Buzzard Point	DC	604	W9	16.0	DFO	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	10	122.0	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	11	128.0	NG	GT
2012	6	40307	Prairie Power, Inc	Electric Utility	Pearl Station	IL	6238	1	22.2	BIT	ST
2012	6	21148	Zapco Energy Tactics Corp	IPP	Dunbarton Energy Partners LP	NH	55779	MA1	0.6	LFG	IC
2012	6	21148	Zapco Energy Tactics Corp	IPP	Dunbarton Energy Partners LP	NH	55779	MA2	0.6	LFG	IC
2012	7	17609	Southern California Edison Co	Electric Utility	Mohave	NV	2341	1	790.0	SUB	ST
2012	7	17609	Southern California Edison Co	Electric Utility	Mohave	NV	2341	2	790.0	SUB	ST
2012	8	12384	Midwest Generations EME LLC	IPP	Crawford	IL	867	7	213.0	SUB	ST
2012	8	12384	Midwest Generations EME LLC	IPP	Crawford	IL	867	8	319.0	SUB	ST
2012	8	12384	Midwest Generations EME LLC	IPP	Fisk Street	IL	886	19	326.0	SUB	ST
2012	9	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy R Paul Smith Power Station	MD	1570	11	87.0	BIT	ST
2012	9	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy R Paul Smith Power Station	MD	1570	9	28.0	BIT	ST
2012	9	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Armstrong Power Station	PA	3178	1	172.0	BIT	ST
2012	9	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Armstrong Power Station	PA	3178	2	172.0	BIT	ST
2012	9	19856	City of Vineland - (NJ)	Electric Utility	Howard Down	NJ	2434	10	23.0	RFO	ST
2012	9	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Bay Shore	OH	2878	2	138.0	SUB	ST
2012	9	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Bay Shore	OH	2878	3	142.0	SUB	ST
2012	9	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Bay Shore	OH	2878	4	215.0	SUB	ST
2012	9	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	4	240.0	SUB	ST
2012	9	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	5	597.0	BIT	ST
2012	9	12796	Monongahela Power Co	Electric Utility	FirstEnergy Albright	WV	3942	1	73.0	BIT	ST
2012	9	12796	Monongahela Power Co	Electric Utility	FirstEnergy Albright	WV	3942	2	73.0	BIT	ST
2012	9	12796	Monongahela Power Co	Electric Utility	FirstEnergy Albright	WV	3942	3	137.0	BIT	ST
2012	9	12796	Monongahela Power Co	Electric Utility	FirstEnergy Rivesville	WV	3945	5	37.0	BIT	ST
2012	9	12796	Monongahela Power Co	Electric Utility	FirstEnergy Rivesville	WV	3945	6	88.0	BIT	ST
2012	9	12796	Monongahela Power Co	Electric Utility	FirstEnergy Willow Island	WV	3946	1	54.0	BIT	ST
2012	9	12796	Monongahela Power Co	Electric Utility	FirstEnergy Willow Island	WV	3946	2	181.0	BIT	ST
2012	9	3046	Progress Energy Carolinas Inc	Electric Utility	HF Lee Plant	NC	2709	1	74.0	BIT	ST
2012	9	3046	Progress Energy Carolinas Inc	Electric Utility	HF Lee Plant	NC	2709	2	68.0	BIT	ST
2012	9	3046	Progress Energy Carolinas Inc	Electric Utility	HF Lee Plant	NC	2709	3	240.0	BIT	ST
2012	9	17718	Southwestern Public Service Co	Electric Utility	Riverview	TX	3487	6	22.0	NG	GT
2012	10	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	4	21.0	WAT	HY
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	7	25.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	8	25.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	9	12.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	4	24.0	NG	GT

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant, and Month, 2012

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
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	5	24.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	6	24.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	10	22.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	11	20.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	8	20.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	9	22.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	10	16.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	11	16.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	12	16.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	14	16.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	15	16.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	6	20.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	7	20.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	8	20.0	NG	GT
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Buzzard Roost	SC	3254	9	20.0	NG	GT
2012	10	12588	GenOn Potomac River LLC	IPP	Potomac River	VA	3788	1	88.0	BIT	ST
2012	10	12588	GenOn Potomac River LLC	IPP	Potomac River	VA	3788	2	88.0	BIT	ST
2012	10	12588	GenOn Potomac River LLC	IPP	Potomac River	VA	3788	3	102.0	BIT	ST
2012	10	12588	GenOn Potomac River LLC	IPP	Potomac River	VA	3788	4	102.0	BIT	ST
2012	10	12588	GenOn Potomac River LLC	IPP	Potomac River	VA	3788	5	102.0	BIT	ST
2012	10	17543	South Carolina Public Service Authority	Electric Utility	Buzzard Roost	SC	3254	13	16.0	NG	GT
2012	11	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	C-AB	0.3	WAT	HY
2012	11	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	C-C	0.3	WAT	HY
2012	11	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	GILA	0.5	WAT	HY
2012	11	11268	City of Lowell	Electric Utility	Lowell	MI	1837	5	1.1	NG	IC
2012	11	11268	City of Lowell	Electric Utility	Lowell	MI	1837	6	1.1	NG	IC
2012	11	11268	City of Lowell	Electric Utility	Lowell	MI	1837	7	1.4	NG	IC
2012	12	6035	Exelon Power	IPP	Schuylkill Generating Station	PA	3169	1	166.0	RFO	ST
2012	12	6035	Exelon Power	IPP	Schuylkill Generating Station	PA	3169	IC1	2.7	DFO	IC
2012	12	12686	Mississippi Power Co	Electric Utility	Eaton	MS	2046	1	24.5	NG	ST
2012	12	12686	Mississippi Power Co	Electric Utility	Eaton	MS	2046	2	24.5	NG	ST
2012	12	12686	Mississippi Power Co	Electric Utility	Eaton	MS	2046	3	24.6	NG	ST
2012	12	14006	Ohio Power Co	Electric Utility	Conesville	OH	2840	3	165.0	BIT	ST
2012	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	1	103.8	WAT	HY
2012	12	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	1	176.0	BIT	ST
2012	12	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	2	176.0	BIT	ST

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 obtained from the Form EIA-860 instructions at the following link: http://www.eia.gov/survey/form/eia_860/instructions.pdf
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.'

Year-to-Date Capacity Statistics

	Net Summer Capacity (megawatts)
Year-to-Date Capacity of New Units	25,136.4
Year-to-Date Capacity of Retired Units	10,151.6
Year-to-Date U.S. Capacity	1,066,235.8

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2002-November 2012
(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											
2002	1,933,130	78,701	15,867	691,006	11,463	780,064	264,329	79,109	-8,743	13,527	3,858,452
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
2010											
January	173,320	3,187	1,161	74,173	909	72,569	22,383	12,805	-565	1,014	360,957
February	153,044	1,251	1,122	66,198	825	65,245	20,590	10,901	-351	909	319,735
March	144,406	1,272	1,198	63,431	1,010	64,635	20,886	14,654	-325	1,002	312,168
April	126,952	1,220	1,067	64,644	943	57,611	19,097	15,607	-335	996	287,800
May	143,272	1,851	1,143	73,665	1,017	66,658	25,079	14,631	-441	1,060	327,936
June	165,491	2,656	1,333	92,268	964	68,301	29,854	14,209	-472	1,153	375,759
July	179,600	2,970	1,441	114,624	963	71,913	24,517	13,107	-557	1,146	409,725
August	177,745	2,419	1,157	121,151	1,061	71,574	20,119	13,100	-600	1,158	408,884
Sept	148,746	1,675	1,108	93,004	954	69,371	17,265	13,227	-421	1,116	346,045
October	132,270	1,221	1,007	77,738	808	62,751	17,683	13,791	-438	1,090	307,921
November	135,185	1,220	860	69,227	907	62,655	19,562	15,782	-467	1,079	306,010
December	167,258	2,395	1,128	77,573	952	73,683	23,169	15,359	-530	1,131	362,119
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
Year to Date											
2010	1,680,032	20,941	12,596	910,124	10,361	733,285	237,034	151,814	-4,971	11,724	3,762,941
2011	1,600,501	14,908	13,088	927,567	10,561	718,367	295,623	176,796	-5,409	12,900	3,764,903
2012	1,382,973	12,236	8,907	1,146,605	10,354	700,748	253,287	197,784	-4,108	11,364	3,720,150
Rolling 12 Months Ending in November											
2011	1,767,759	17,303	14,217	1,005,141	11,513	792,050	318,792	192,155	-5,939	14,032	4,127,022
2012	1,515,902	13,414	9,915	1,232,727	11,359	772,585	277,019	214,969	-4,605	12,618	4,055,903

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel 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 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. *=value less than half of smallest unit of measure.
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), 2002-November 2012
(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels	Geothermal	Other Biomass	Total (Other Renewable Sources)
Annual Totals						
2002	10,354	555	38,665	14,491	15,044	79,109
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
2010						
January	6,854	10	3,126	1,312	1,503	12,805
February	5,432	33	2,895	1,159	1,382	10,901
March	8,589	76	3,090	1,307	1,592	14,654
April	9,764	112	2,932	1,240	1,558	15,607
May	8,698	153	2,893	1,311	1,577	14,631
June	8,049	176	3,094	1,264	1,627	14,209
July	6,724	161	3,308	1,274	1,640	13,107
August	6,686	156	3,319	1,297	1,642	13,100
Sept	7,106	138	3,157	1,253	1,575	13,227
October	7,944	75	3,003	1,222	1,547	13,791
November	9,748	77	3,080	1,252	1,625	15,782
December	9,059	44	3,275	1,330	1,650	15,359
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
Year to Date						
2010	85,593	1,168	33,897	13,889	17,268	151,814
2011	109,521	1,697	34,096	13,992	17,491	176,796
2012	125,914	4,084	34,190	15,332	18,263	197,784
Rolling 12-Month Ending in November						
2011	118,580	1,741	37,371	15,322	19,140	192,155
2012	136,570	4,205	37,544	16,657	19,994	214,969

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 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-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, 2002-November 2012
(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											
2002	1,514,670	52,838	6,286	229,639	206	507,380	242,302	3,089	-7,434	480	2,549,457
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
2010											
January	129,279	2,418	736	29,332	6	39,345	20,298	1,338	-427	36	222,362
February	113,856	890	696	25,880	6	34,945	18,752	1,087	-246	29	195,895
March	107,626	1,009	816	25,683	6	33,460	18,546	1,540	-232	37	188,491
April	95,791	923	675	25,721	5	30,946	16,812	1,777	-245	36	172,441
May	108,550	1,443	690	30,549	6	34,506	22,803	1,602	-356	42	199,835
June	124,451	2,132	837	36,530	6	35,835	27,661	1,449	-392	42	228,551
July	134,219	1,986	910	44,597	5	38,536	22,611	1,331	-474	34	243,756
August	132,743	1,785	758	47,474	5	38,021	18,465	1,431	-543	46	240,185
Sept	110,642	1,207	803	36,692	2	37,188	15,854	1,441	-353	45	203,521
October	97,612	877	645	31,613	1	31,226	15,718	1,542	-361	43	178,917
November	99,803	835	511	27,567	1	32,112	17,612	1,778	-397	34	179,858
December	123,456	1,752	730	30,978	2	38,722	20,970	1,610	-439	39	217,820
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
Year to Date											
2010	1,254,572	15,506	8,077	361,638	50	386,121	215,134	16,317	-4,027	423	2,253,812
2011	1,201,467	10,809	8,761	380,657	26	376,346	270,113	19,853	-4,861	554	2,263,726
2012	1,046,382	9,254	5,246	472,259	10	361,167	232,133	25,240	-3,439	371	2,148,623
Rolling 12 Months Ending in November											
2011	1,324,923	12,561	9,491	411,635	28	415,068	291,084	21,463	-5,300	593	2,481,546
2012	1,146,022	10,133	5,913	506,445	NM	400,119	253,433	27,320	-3,876	421	2,345,941

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel 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 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. *=value less than half of smallest unit of measure.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
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Table 1.3. Net Generation by Energy Source: Independent Power Producers, 2002-November 2012
(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											
2002	395,943	22,241	8,368	378,044	1,763	272,684	18,189	44,466	-1,309	8,612	1,149,001
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
2010											
January	42,381	655	302	37,515	269	33,224	1,909	9,142	-138	507	125,766
February	37,605	266	314	33,676	241	30,300	1,669	7,669	-105	463	112,099
March	35,039	192	281	30,809	269	31,174	2,145	10,760	-93	502	111,080
April	29,824	228	283	32,403	268	26,666	2,087	11,509	-91	505	103,681
May	33,119	333	335	36,313	273	32,152	2,100	10,747	-84	533	115,821
June	39,461	459	364	48,503	259	32,466	2,050	10,402	-80	550	134,434
July	43,559	900	403	62,363	262	33,377	1,794	9,305	-83	558	152,439
August	43,105	568	265	65,487	244	33,553	1,554	9,193	-57	553	154,465
Sept	36,515	401	197	48,806	238	32,183	1,334	9,391	-68	540	129,537
October	33,051	267	248	39,263	169	31,525	1,843	9,914	-77	527	116,729
November	34,012	310	224	34,738	218	30,543	1,813	11,642	-70	545	113,975
December	42,038	540	280	38,897	205	34,962	2,054	11,282	-91	562	130,729
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
Year to Date											
2010	407,672	4,577	3,217	469,876	2,710	347,164	20,297	109,674	-945	5,783	1,370,025
2011	384,738	3,417	3,190	467,440	2,667	342,021	23,865	129,529	-548	6,420	1,362,738
2012	323,316	2,434	1,690	590,081	2,485	339,581	19,485	144,618	-669	6,577	1,429,597
Rolling 12 Months Ending in November											
2011	426,776	3,957	3,470	506,337	2,872	376,982	25,919	140,810	-639	6,982	1,493,467
2012	355,361	2,672	1,931	634,089	2,729	372,466	21,737	157,043	-728	7,217	1,554,516

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel 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 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. *=value less than half of smallest unit of measure.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
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Table 1.4. Net Generation by Energy Source: Commerical Sector, 2002-November 2012
(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											
2002	992	426	6	4,310	*	--	13	1,065	--	603	7,415
2003	1,206	416	8	3,899	--	--	72	1,302	--	594	7,496
2004	1,340	493	7	3,969	--	--	105	1,575	--	781	8,270
2005	1,353	368	7	4,249	--	--	86	1,673	--	756	8,492
2006	1,310	228	7	4,355	*	--	93	1,619	--	758	8,371
2007	1,371	180	9	4,257	--	--	77	1,614	--	764	8,273
2008	1,261	136	6	4,188	--	--	60	1,555	--	720	7,926
2009	1,096	157	5	4,225	--	--	71	1,769	--	842	8,165
2010	1,111	117	7	4,725	3	--	80	1,714	--	834	8,592
2011	1,049	86	3	5,487	3	--	26	2,476	--	950	10,080
2010											
January	116	12	1	367	*	--	6	140	--	66	709
February	102	10	1	339	*	--	6	114	--	51	623
March	91	7	1	351	*	--	7	137	--	66	661
April	80	8	1	326	*	--	11	147	--	73	645
May	84	12	--	326	*	--	12	152	--	79	666
June	97	10	--	350	*	--	11	153	--	77	699
July	110	18	--	459	*	--	4	149	--	72	812
August	105	11	1	490	*	--	1	155	--	77	838
Sept	89	9	1	421	*	--	2	152	--	77	750
October	80	6	1	419	*	--	4	137	--	66	712
November	69	3	1	401	*	--	6	138	--	64	683
December	88	11	1	476	*	--	11	141	--	66	793
2011											
January	108	20	1	421	*	--	2	194	--	71	817
February	104	10	1	367	*	--	2	180	--	61	725
March	100	6	1	373	*	--	3	200	--	71	753
April	77	4	--	357	*	--	3	195	--	71	706
May	82	5	--	471	*	--	3	218	--	88	867
June	90	3	--	463	*	--	2	218	--	84	860
July	104	7	--	605	*	--	2	220	--	85	1,023
August	94	7	--	571	*	--	2	225	--	87	985
Sept	84	7	--	487	*	--	2	208	--	83	870
October	65	6	--	438	*	--	2	204	--	84	799
November	62	6	*	437	*	--	2	208	--	84	800
December	78	5	1	499	*	--	2	207	--	81	874
2012											
January	84	NM	1	528	NM	--	NM	214	--	78	913
February	78	4	1	499	NM	--	NM	213	--	77	875
March	70	5	1	476	--	--	NM	216	--	83	853
April	64	6	*	468	NM	--	NM	221	--	81	843
May	70	6	--	480	NM	--	NM	234	--	87	880
June	68	10	--	493	NM	--	NM	225	--	79	880
July	78	11	1	553	--	--	NM	239	--	94	980
August	71	9	1	498	NM	--	NM	238	--	95	917
Sept	58	7	1	480	NM	--	NM	231	--	89	869
October	43	8	1	471	--	--	NM	239	--	91	855
November	72	7	1	447	--	--	NM	232	--	85	845
Year to Date											
2010	1,024	106	6	4,249	2	--	70	1,573	--	768	7,798
2011	971	81	2	4,988	3	--	23	2,269	--	869	9,206
2012	756	78	5	5,392	NM	--	NM	2,501	--	938	9,710
Rolling 12 Months Ending in November											
2011	1,059	92	3	5,464	3	--	34	2,409	--	935	9,999
2012	834	NM	5	5,891	NM	--	NM	2,708	--	1,019	10,584

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel 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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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. *=value less than half of smallest unit of measure.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
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Table 1.5. Net Generation by Energy Source: Industrial Sector, 2002-November 2012
(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											
2002	21,525	3,196	1,207	79,013	9,493	--	3,825	30,489	--	3,832	152,580
2003	19,817	3,726	1,559	78,705	12,953	--	4,222	28,704	--	4,843	154,530
2004	19,773	4,128	1,839	78,959	11,684	--	3,248	29,164	--	5,129	153,925
2005	19,466	3,804	1,564	72,882	9,687	--	3,195	29,003	--	5,137	144,739
2006	19,464	2,567	1,656	77,669	9,923	--	2,899	28,972	--	5,103	148,254
2007	16,694	2,355	1,889	77,580	9,411	--	1,590	28,919	--	4,690	143,128
2008	15,703	1,555	1,664	76,421	8,507	--	1,676	27,462	--	4,125	137,113
2009	13,686	1,474	1,489	75,748	7,574	--	1,868	26,033	--	4,457	132,329
2010	18,441	844	1,414	81,583	8,343	--	1,668	26,576	--	5,214	144,082
2011	14,490	657	1,234	81,911	8,624	--	1,799	27,619	--	5,541	141,875
2010											
January	1,544	102	123	6,959	634	--	169	2,185	--	404	12,120
February	1,481	86	111	6,303	578	--	162	2,031	--	366	11,118
March	1,649	63	100	6,588	735	--	188	2,217	--	397	11,936
April	1,258	61	108	6,194	669	--	187	2,174	--	382	11,034
May	1,519	63	118	6,477	738	--	164	2,130	--	406	11,614
June	1,482	55	132	6,885	700	--	132	2,205	--	485	12,075
July	1,713	67	128	7,205	696	--	107	2,321	--	482	12,718
August	1,792	55	133	7,701	812	--	99	2,321	--	482	13,395
Sept	1,499	58	107	7,085	713	--	76	2,244	--	455	12,238
October	1,527	71	113	6,443	637	--	117	2,199	--	455	11,562
November	1,301	72	124	6,520	688	--	130	2,224	--	436	11,493
December	1,677	92	118	7,223	744	--	134	2,326	--	464	12,777
2011											
January	1,304	84	123	6,901	687	--	143	2,389	--	423	12,054
February	1,125	68	100	6,177	600	--	160	2,126	--	414	10,770
March	1,161	59	101	6,212	693	--	187	2,260	--	474	11,149
April	1,139	56	107	6,416	674	--	184	2,164	--	436	11,175
May	1,199	47	109	6,597	633	--	198	2,099	--	477	11,359
June	1,249	48	104	6,802	753	--	150	2,360	--	471	11,938
July	1,353	43	98	7,517	836	--	109	2,384	--	529	12,868
August	1,389	45	94	7,745	823	--	96	2,420	--	474	13,085
Sept	1,209	46	99	6,953	752	--	122	2,336	--	432	11,948
October	1,120	58	104	6,419	700	--	126	2,233	--	463	11,224
November	1,077	49	95	6,742	715	--	146	2,374	--	465	11,663
December	1,165	55	100	7,429	758	--	178	2,474	--	483	12,642
2012											
January	1,175	54	239	7,293	743	--	175	2,491	--	310	12,480
February	1,055	46	149	6,963	771	--	157	2,319	--	274	11,733
March	1,097	36	161	6,716	769	--	186	2,179	--	308	11,452
April	998	58	156	6,522	745	--	160	2,097	--	285	11,022
May	1,063	34	146	7,235	742	--	182	2,273	--	330	12,006
June	1,130	48	157	7,266	717	--	131	2,264	--	290	12,000
July	1,344	37	168	7,892	731	--	109	2,390	--	332	13,003
August	1,299	34	216	7,535	779	--	97	2,373	--	336	12,669
Sept	1,124	38	192	7,045	668	--	92	2,321	--	324	11,805
October	1,152	53	164	7,096	614	--	107	2,326	--	347	11,860
November	1,085	32	219	7,309	576	--	236	2,392	--	343	12,191
Year to Date											
2010	16,765	752	1,296	74,360	7,599	--	1,534	24,250	--	4,750	131,305
2011	13,325	602	1,134	74,482	7,866	--	1,621	25,145	--	5,057	129,233
2012	12,520	470	1,966	78,873	7,856	--	1,632	25,424	--	3,478	132,220
Rolling 12 Months Ending in November											
2011	15,002	694	1,252	81,705	8,609	--	1,755	27,472	--	5,521	142,010
2012	13,685	525	2,066	86,302	8,614	--	1,810	27,898	--	3,962	144,862

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel 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 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. *=value less than half of smallest unit of measure.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.6.A. Net Generation
by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	9,033	9,408	-4.0%	298	320	8,220	8,542	70	82	446	464
Connecticut	2,755	2,325	18.5%	NM	NM	2,722	2,280	NM	19	NM	20
Maine	1,138	1,305	-12.8%	NM	*	705	862	17	16	416	427
Massachusetts	2,559	2,581	-0.8%	49	54	2,462	2,473	36	41	NM	13
New Hampshire	1,535	1,848	-16.9%	176	208	1,357	1,636	NM	2	NM	3
Rhode Island	466	822	-43.3%	1	*	462	818	NM	NM	--	--
Vermont	579	526	10.1%	65	51	512	474	NM	*	NM	2
Middle Atlantic	31,154	33,950	-8.2%	2,790	3,061	27,891	30,433	135	131	337	324
New Jersey	3,380	4,766	-29.1%	-15	-13	3,315	4,670	41	40	NM	69
New York	10,232	10,855	-5.7%	2,715	2,930	7,374	7,777	70	69	73	79
Pennsylvania	17,541	18,330	-4.3%	90	145	17,202	17,986	24	22	225	176
East North Central	48,113	47,301	1.7%	25,081	23,165	22,107	23,184	153	132	773	821
Illinois	16,029	16,433	-2.5%	860	858	14,917	15,322	39	34	213	220
Indiana	9,451	9,444	0.1%	8,399	7,901	817	1,278	18	14	218	252
Michigan	8,117	8,546	-5.0%	6,364	6,770	1,586	1,610	73	70	94	97
Ohio	9,508	8,373	13.6%	5,921	4,612	3,506	3,680	NM	6	70	77
Wisconsin	5,008	4,505	11.2%	3,537	3,025	1,281	1,296	NM	9	179	175
West North Central	25,897	25,698	0.8%	22,814	22,307	2,693	3,043	42	41	348	306
Iowa	4,755	4,561	4.2%	3,925	3,276	637	1,112	19	15	174	157
Kansas	3,909	3,944	-0.9%	3,316	3,651	593	293	--	--	NM	*
Minnesota	4,105	4,149	-1.0%	3,256	3,277	707	749	16	11	127	113
Missouri	6,791	6,291	7.9%	6,647	6,132	134	142	6	13	NM	4
Nebraska	2,380	2,858	-16.7%	2,249	2,735	100	102	NM	1	29	20
North Dakota	2,955	2,997	-1.4%	2,626	2,560	317	424	NM	*	12	13
South Dakota	1,002	897	11.7%	795	676	207	221	NM	*	--	--
South Atlantic	56,680	52,998	6.9%	45,196	43,377	9,913	8,009	70	50	1,501	1,561
Delaware	519	606	-14.3%	NM	2	478	543	NM	1	39	60
District of Columbia	NM	5	NM	--	5	--	--	NM	--	--	--
Florida	15,125	15,947	-5.2%	13,775	14,449	935	1,013	NM	6	409	479
Georgia	8,899	8,134	9.4%	7,705	6,807	761	935	NM	1	430	392
Maryland	3,662	3,042	20.4%	NM	*	3,610	2,984	NM	8	34	50
North Carolina	9,107	8,343	9.2%	8,465	7,687	438	469	4	5	201	182
South Carolina	7,077	7,522	-5.9%	6,863	7,261	61	84	NM	*	153	177
Virginia	5,090	4,050	25.7%	4,078	3,238	802	641	36	31	175	141
West Virginia	7,196	5,348	34.6%	4,308	3,928	2,827	1,340	--	--	60	80
East South Central	29,205	28,977	0.8%	25,209	24,395	3,064	3,812	NM	10	921	759
Alabama	11,483	12,497	-8.1%	8,606	8,939	2,497	3,196	--	--	380	362
Kentucky	7,403	7,221	2.5%	7,364	7,174	NM	2	--	--	34	45
Mississippi	3,892	3,553	9.6%	3,080	2,789	558	604	NM	2	252	157
Tennessee	6,427	5,705	12.6%	6,159	5,493	5	10	NM	8	255	194
West South Central	47,310	47,031	0.6%	16,451	17,432	24,641	23,914	46	41	6,171	5,643
Arkansas	4,670	3,976	17.4%	3,178	2,876	1,321	937	NM	1	171	163
Louisiana	7,190	8,387	-14.3%	3,530	4,335	1,328	1,692	NM	3	2,328	2,356
Oklahoma	4,825	4,843	-0.4%	3,554	3,822	1,217	956	NM	1	52	64
Texas	30,623	29,825	2.7%	6,189	6,399	20,775	20,329	39	37	3,620	3,060
Mountain	28,714	27,996	2.6%	22,993	22,304	5,494	5,440	20	17	207	235
Arizona	7,550	7,907	-4.5%	6,886	7,143	648	737	6	5	NM	22
Colorado	4,050	4,043	0.2%	3,241	3,331	803	705	NM	1	5	6
Idaho	991	929	6.7%	633	521	316	350	--	--	42	58
Montana	2,678	2,676	0.1%	634	657	2,044	2,018	--	--	NM	1
Nevada	2,743	2,292	19.7%	1,917	1,614	802	662	7	5	17	11
New Mexico	2,760	2,809	-1.8%	2,332	2,324	416	476	7	6	4	3
Utah	3,276	3,119	5.0%	3,089	2,931	155	155	NM	*	33	33
Wyoming	4,667	4,221	10.6%	4,263	3,782	310	338	--	--	94	101
Pacific Contiguous	28,037	29,235	-4.1%	16,632	19,067	9,698	8,424	249	240	1,458	1,504
California	15,195	15,526	-2.1%	5,975	8,005	7,663	5,952	243	230	1,314	1,338
Oregon	4,554	4,935	-7.7%	3,540	3,729	969	1,160	NM	8	38	38
Washington	8,288	8,774	-5.5%	7,116	7,333	1,065	1,312	NM	1	106	128
Pacific Noncontiguous	1,407	1,526	-7.8%	996	1,104	332	322	49	54	29	46
Alaska	601	643	-6.5%	552	588	16	18	25	25	NM	11
Hawaii	806	883	-8.8%	445	515	317	303	25	29	20	35
U.S. Total	305,548	304,119	0.5%	178,459	176,532	114,053	115,124	845	800	12,191	11,663

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.6.B. Net Generation
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	110,839	113,086	-2.0%	2,917	4,076	101,973	103,262	876	870	5,074	4,879
Connecticut	32,606	30,685	6.3%	83	85	32,076	30,194	189	193	259	213
Maine	13,816	14,466	-4.5%	NM	1	9,079	9,849	187	161	4,549	4,456
Massachusetts	33,107	35,494	-6.7%	557	563	31,900	34,321	433	449	218	160
New Hampshire	17,360	18,316	-5.2%	1,698	2,786	15,620	15,482	14	20	28	29
Rhode Island	7,868	8,008	-1.8%	11	10	7,806	7,954	51	44	--	--
Vermont	6,082	6,118	-0.6%	568	631	5,491	5,462	NM	4	NM	21
Middle Atlantic	390,155	393,957	-1.0%	33,252	34,306	351,261	354,200	1,564	1,375	4,079	4,075
New Jersey	59,408	59,255	0.3%	-100	-159	58,395	58,212	511	461	602	740
New York	125,728	126,261	-0.4%	32,423	32,904	91,667	91,780	767	659	872	918
Pennsylvania	205,018	208,440	-1.6%	929	1,561	201,199	204,208	286	254	2,604	2,416
East North Central	562,774	577,628	-2.6%	283,143	308,047	268,550	258,719	1,839	1,610	9,242	9,252
Illinois	180,134	182,607	-1.4%	11,492	11,314	165,720	168,258	404	406	2,519	2,629
Indiana	104,819	111,789	-6.2%	91,263	96,020	10,441	12,816	213	204	2,902	2,751
Michigan	100,627	100,098	0.5%	74,450	80,429	24,233	17,799	894	726	1,049	1,143
Ohio	117,920	125,276	-5.9%	68,193	79,156	48,700	45,088	176	170	850	861
Wisconsin	59,274	57,858	2.4%	37,745	41,128	19,456	14,757	152	104	1,921	1,869
West North Central	299,747	304,416	-1.5%	264,578	273,150	30,791	27,064	560	506	3,818	3,696
Iowa	51,787	51,593	0.4%	39,718	39,725	10,000	9,867	191	207	1,878	1,794
Kansas	40,397	41,241	-2.0%	36,649	38,708	3,726	2,532	--	--	NM	1
Minnesota	47,725	48,686	-2.0%	38,535	40,750	7,566	6,352	202	151	1,422	1,433
Missouri	83,844	87,139	-3.8%	80,941	85,003	2,713	1,937	151	132	40	67
Nebraska	31,448	32,907	-4.4%	30,178	31,921	951	724	17	16	303	246
North Dakota	33,179	31,803	4.3%	29,271	27,955	3,755	3,694	NM	*	153	155
South Dakota	11,367	11,047	2.9%	9,286	9,088	2,082	1,959	NM	*	--	--
South Atlantic	687,365	703,369	-2.3%	555,573	577,620	114,420	108,262	759	722	16,613	16,765
Delaware	8,197	6,037	35.8%	NM	18	7,452	5,667	NM	4	712	348
District of Columbia	84	195	-57.1%	NM	66	9	130	NM	--	--	--
Florida	204,221	205,963	-0.8%	183,169	185,649	16,143	15,057	75	61	4,834	5,195
Georgia	113,227	115,467	-1.9%	93,303	98,840	15,441	12,295	27	24	4,456	4,309
Maryland	34,808	38,698	-10.1%	11	7	33,974	37,907	224	224	599	559
North Carolina	106,429	109,102	-2.5%	99,015	101,768	5,769	5,348	39	54	1,605	1,932
South Carolina	89,014	94,621	-5.9%	85,783	91,261	1,514	1,496	NM	*	1,713	1,864
Virginia	64,937	60,795	6.8%	51,226	48,689	11,540	10,119	381	354	1,790	1,634
West Virginia	66,446	72,491	-8.3%	42,966	51,323	22,577	20,244	--	--	903	924
East South Central	343,179	355,784	-3.5%	286,919	309,923	47,667	37,421	144	136	8,449	8,304
Alabama	140,009	143,056	-2.1%	98,575	109,147	37,362	29,981	--	--	4,073	3,929
Kentucky	82,013	90,157	-9.0%	81,264	89,471	345	151	--	--	405	534
Mississippi	50,330	47,357	6.3%	38,663	38,439	9,900	7,216	NM	22	1,745	1,680
Tennessee	70,827	75,215	-5.8%	68,418	72,866	60	73	122	114	2,227	2,161
West South Central	625,671	624,231	0.2%	230,371	237,648	329,016	322,907	579	534	65,705	63,142
Arkansas	60,200	56,103	7.3%	40,570	40,794	17,868	13,544	NM	5	1,757	1,759
Louisiana	95,483	97,135	-1.7%	48,620	50,992	21,662	20,323	NM	44	25,158	25,776
Oklahoma	72,903	69,019	5.6%	53,104	53,988	19,045	14,280	NM	22	720	729
Texas	397,085	401,975	-1.2%	88,077	91,874	270,442	274,760	496	463	38,070	34,878
Mountain	338,596	333,208	1.6%	266,417	270,158	68,976	59,849	257	243	2,946	2,959
Arizona	102,469	99,386	3.1%	85,217	85,994	16,963	13,052	71	64	219	275
Colorado	48,936	46,972	4.2%	38,406	40,397	10,445	6,497	24	21	61	57
Idaho	14,922	15,558	-4.1%	10,633	12,016	3,820	2,980	--	--	468	562
Montana	24,963	27,280	-8.5%	7,433	8,829	17,524	18,444	--	--	NM	8
Nevada	32,504	29,216	11.3%	22,166	19,772	9,981	9,204	88	86	271	155
New Mexico	33,464	34,652	-3.4%	27,768	29,287	5,546	5,254	73	72	77	39
Utah	36,169	37,349	-3.2%	33,602	35,066	1,810	1,513	NM	*	755	770
Wyoming	45,168	42,795	5.5%	41,192	38,798	2,887	2,904	--	--	1,089	1,093
Pacific Contiguous	346,189	343,193	0.9%	214,227	237,325	113,453	87,494	2,661	2,673	15,848	15,701
California	185,837	183,100	1.5%	75,149	97,082	93,869	69,330	2,581	2,615	14,238	14,073
Oregon	54,965	54,299	1.2%	42,814	44,907	11,695	8,923	66	53	390	416
Washington	105,387	105,793	-0.4%	96,264	95,336	7,889	9,241	NM	5	1,219	1,212
Pacific Noncontiguous	15,635	16,031	-2.5%	11,225	11,474	3,491	3,560	471	537	448	460
Alaska	6,402	6,196	3.3%	5,907	5,655	187	191	198	248	111	102
Hawaii	9,233	9,835	-6.1%	5,319	5,819	3,304	3,369	273	289	337	358
U.S. Total	3,720,150	3,764,903	-1.2%	2,148,623	2,263,726	1,429,597	1,362,738	9,710	9,206	132,220	129,233

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.7.A. Net Generation from Coal
by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	340	202	68.2%	110	152	225	48	--	--	4	2
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	5	6	-20.1%	--	--	3	5	--	--	1	1
Massachusetts	225	44	410.9%	--	--	222	44	--	--	NM	*
New Hampshire	110	152	-27.6%	110	152	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	7,562	7,951	-4.9%	NM	--	7,454	7,890	NM	*	106	61
New Jersey	142	98	44.0%	--	--	142	98	--	--	--	--
New York	464	231	101.1%	NM	--	441	203	--	--	22	28
Pennsylvania	6,956	7,622	-8.7%	--	--	6,872	7,589	NM	*	84	33
East North Central	28,998	28,076	3.3%	21,473	19,254	7,236	8,538	21	13	269	271
Illinois	7,077	7,042	0.5%	845	822	6,075	6,062	7	5	150	152
Indiana	8,100	7,871	2.9%	7,708	7,207	376	655	12	6	NM	4
Michigan	4,629	4,282	8.1%	4,580	4,243	29	22	1	*	19	17
Ohio	6,159	6,232	-1.2%	5,379	4,410	756	1,799	NM	*	23	22
Wisconsin	3,034	2,649	14.5%	2,959	2,572	--	--	NM	1	73	76
West North Central	17,651	17,508	0.8%	17,353	17,246	--	--	21	18	278	244
Iowa	3,154	2,761	14.2%	2,967	2,592	--	--	14	12	173	157
Kansas	2,273	2,622	-13.3%	2,273	2,622	--	--	--	--	--	--
Minnesota	1,983	1,997	-0.7%	1,915	1,938	--	--	NM	*	67	59
Missouri	5,513	5,864	-6.0%	5,504	5,856	--	--	6	6	NM	3
Nebraska	2,130	2,015	5.7%	2,103	1,999	--	--	--	--	27	16
North Dakota	2,335	2,181	7.0%	2,327	2,172	--	--	--	--	8	9
South Dakota	263	67	291.2%	263	67	--	--	--	--	--	--
South Atlantic	22,902	19,460	17.7%	17,704	16,338	5,006	2,883	NM	5	189	233
Delaware	180	39	361.8%	--	--	180	39	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3,040	3,362	-9.6%	3,015	3,286	6	51	--	--	NM	26
Georgia	2,497	3,017	-17.2%	2,456	2,959	--	--	--	--	41	58
Maryland	1,899	1,385	37.1%	--	--	1,883	1,367	--	--	16	18
North Carolina	4,821	3,707	30.1%	4,659	3,521	136	158	3	4	NM	24
South Carolina	2,201	1,857	18.5%	2,191	1,825	--	11	--	--	10	21
Virginia	1,297	998	30.0%	1,119	867	128	80	NM	1	48	49
West Virginia	6,967	5,094	36.8%	4,264	3,881	2,672	1,176	--	--	31	37
East South Central	15,335	12,953	18.4%	14,927	12,568	284	262	NM	2	122	121
Alabama	4,107	3,622	13.4%	4,089	3,603	*	*	--	--	18	18
Kentucky	6,944	6,764	2.7%	6,944	6,764	--	--	--	--	--	--
Mississippi	580	465	24.9%	296	203	284	261	--	--	--	--
Tennessee	3,704	2,102	76.2%	3,598	1,998	--	--	NM	2	104	103
West South Central	17,787	17,230	3.2%	9,242	9,435	8,517	7,759	--	--	27	36
Arkansas	2,052	2,056	-0.2%	1,703	1,803	338	244	--	--	11	9
Louisiana	2,058	2,131	-3.4%	1,251	1,090	807	1,042	--	--	--	--
Oklahoma	2,087	2,517	-17.1%	1,886	2,373	185	117	--	--	NM	27
Texas	11,590	10,525	10.1%	4,402	4,169	7,188	6,356	--	--	NM	1
Mountain	16,991	16,587	2.4%	15,135	14,701	1,805	1,817	--	--	52	69
Arizona	3,368	3,729	-9.7%	3,358	3,708	--	--	--	--	NM	21
Colorado	2,748	2,590	6.1%	2,740	2,580	NM	10	--	--	--	--
Idaho	NM	10	NM	--	--	--	--	--	--	NM	10
Montana	1,601	1,599	0.1%	NM	26	1,573	1,572	--	--	NM	1
Nevada	495	583	-15.1%	373	446	122	137	--	--	--	--
New Mexico	2,018	1,948	3.6%	2,018	1,948	--	--	--	--	--	--
Utah	2,648	2,514	5.3%	2,612	2,477	NM	37	--	--	--	--
Wyoming	4,107	3,614	13.6%	4,007	3,517	NM	61	--	--	34	37
Pacific Contiguous	1,242	1,332	-6.8%	384	391	821	907	--	--	37	34
California	86	123	-30.2%	--	--	52	93	--	--	34	30
Oregon	384	391	-1.7%	384	391	--	--	--	--	--	--
Washington	772	819	-5.7%	--	--	769	814	--	--	4	4
Pacific Noncontiguous	184	164	12.5%	18	18	141	116	24	24	NM	6
Alaska	58	61	-4.0%	18	18	16	18	24	24	--	--
Hawaii	126	103	22.2%	--	--	125	97	--	--	NM	6
U.S. Total	128,992	121,463	6.2%	96,346	90,103	31,489	30,220	72	62	1,085	1,077

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.7.B. Net Generation from Coal
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	2,866	6,509	-56.0%	1,008	2,060	1,815	4,404	--	--	43	45
Connecticut	71	526	-86.6%	--	--	71	526	--	--	--	--
Maine	40	52	-24.1%	--	--	27	36	--	--	13	17
Massachusetts	1,748	3,871	-54.9%	--	--	1,718	3,843	--	--	30	28
New Hampshire	1,008	2,060	-51.1%	1,008	2,060	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	86,211	106,564	-19.1%	NM	25	85,018	105,395	NM	4	1,178	1,139
New Jersey	1,795	4,067	-55.9%	--	--	1,795	4,067	--	--	--	--
New York	4,128	9,161	-54.9%	NM	25	3,823	8,800	--	1	292	334
Pennsylvania	80,289	93,336	-14.0%	--	--	79,401	92,528	NM	3	886	805
East North Central	314,287	367,304	-14.4%	227,845	263,362	83,330	100,473	290	381	2,822	3,088
Illinois	73,273	82,303	-11.0%	9,892	10,217	61,744	70,352	37	40	1,601	1,694
Indiana	84,156	95,736	-12.1%	78,697	87,751	5,291	7,822	124	120	44	43
Michigan	48,607	54,509	-10.8%	48,034	53,790	305	288	113	202	155	230
Ohio	78,276	98,196	-20.3%	62,050	75,914	15,990	22,011	NM	1	235	270
Wisconsin	29,974	36,560	-18.0%	29,172	35,690	--	--	15	18	787	851
West North Central	195,466	212,558	-8.0%	192,266	209,404	--	--	210	253	2,990	2,900
Iowa	32,318	35,175	-8.1%	30,321	33,233	--	--	143	167	1,854	1,775
Kansas	25,412	28,839	-11.9%	25,412	28,839	--	--	--	--	--	--
Minnesota	20,538	26,155	-21.5%	19,780	25,401	--	--	7	5	751	748
Missouri	66,007	71,859	-8.1%	65,912	71,716	--	--	60	81	35	61
Nebraska	22,745	23,616	-3.7%	22,478	23,390	--	--	--	--	268	226
North Dakota	25,789	24,586	4.9%	25,706	24,497	--	--	--	--	83	89
South Dakota	2,657	2,329	14.1%	2,657	2,329	--	--	--	--	--	--
South Atlantic	246,093	303,145	-18.8%	202,646	254,613	41,255	45,824	43	69	2,148	2,638
Delaware	1,361	1,415	-3.9%	--	--	1,361	1,415	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	41,090	48,659	-15.6%	39,369	46,262	1,501	2,104	--	--	219	294
Georgia	38,515	56,313	-31.6%	38,052	55,660	--	--	--	--	463	653
Maryland	14,875	19,807	-24.9%	--	--	14,724	19,625	--	--	151	182
North Carolina	47,139	56,236	-16.2%	45,205	53,918	1,681	1,998	25	45	228	275
South Carolina	26,255	32,008	-18.0%	26,072	31,641	30	124	--	--	154	243
Virginia	13,169	18,931	-30.4%	11,497	16,412	1,094	1,900	NM	25	559	594
West Virginia	63,690	69,776	-8.7%	42,452	50,720	20,864	18,658	--	--	374	397
East South Central	155,888	185,356	-15.9%	152,018	181,712	2,465	2,213	18	21	1,387	1,410
Alabama	41,827	53,369	-21.6%	41,621	53,124	27	55	--	--	179	190
Kentucky	75,263	83,968	-10.4%	75,263	83,968	--	--	--	--	--	--
Mississippi	6,665	8,936	-25.4%	4,227	6,777	2,437	2,159	--	--	--	--
Tennessee	32,133	39,084	-17.8%	30,907	37,843	--	--	18	21	1,208	1,220
West South Central	198,472	227,022	-12.6%	109,068	122,916	88,958	103,627	--	--	446	479
Arkansas	25,772	26,914	-4.2%	21,715	23,128	3,969	3,693	--	--	88	92
Louisiana	19,342	22,526	-14.1%	9,919	10,808	9,416	11,698	--	--	NM	19
Oklahoma	26,883	31,644	-15.0%	24,985	29,542	1,551	1,740	--	--	347	362
Texas	126,475	145,939	-13.3%	52,450	59,437	74,021	86,495	--	--	NM	6
Mountain	174,762	181,004	-3.4%	159,031	164,278	14,637	15,507	--	--	1,094	1,220
Arizona	36,473	39,879	-8.5%	36,263	39,609	--	--	--	--	209	271
Colorado	31,437	31,045	1.3%	31,316	30,895	121	150	--	--	--	--
Idaho	70	73	-4.2%	--	--	--	--	--	--	70	73
Montana	12,737	13,413	-5.0%	262	272	12,468	13,133	--	--	NM	8
Nevada	3,634	4,909	-26.0%	2,631	3,722	1,003	1,187	--	--	--	--
New Mexico	22,768	24,637	-7.6%	22,768	24,637	--	--	--	--	--	--
Utah	28,045	30,342	-7.6%	27,265	29,520	375	381	--	--	405	441
Wyoming	39,598	36,707	7.9%	38,526	35,624	670	656	--	--	403	428
Pacific Contiguous	6,950	9,084	-23.5%	2,291	2,937	4,280	5,780	--	--	380	367
California	1,477	1,832	-19.4%	--	--	1,129	1,489	--	--	348	343
Oregon	2,291	2,937	-22.0%	2,291	2,937	--	--	--	--	--	--
Washington	3,182	4,316	-26.3%	--	--	3,151	4,291	--	--	31	24
Pacific Noncontiguous	1,979	1,955	1.2%	196	159	1,558	1,514	192	242	32	39
Alaska	575	593	-2.9%	196	159	187	191	192	242	--	--
Hawaii	1,403	1,362	3.0%	--	--	1,371	1,323	--	--	32	39
U.S. Total	1,382,973	1,600,501	-13.6%	1,046,382	1,201,467	323,316	384,738	756	971	12,520	13,325

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.8.A. Net Generation from Petroleum Liquids by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	32	21	51.6%	5	9	20	6	4	4	3	3
Connecticut	4	5	-27.8%	NM	*	3	5	NM	--	NM	*
Maine	16	3	374.0%	NM	*	13	1	NM	*	3	2
Massachusetts	9	4	104.7%	2	2	4	*	3	1	NM	*
New Hampshire	NM	7	NM	1	5	NM	*	NM	2	NM	*
Rhode Island	1	*	187.6%	1	*	NM	*	NM	NM	--	--
Vermont	NM	1	NM	NM	*	--	--	NM	*	--	--
Middle Atlantic	66	42	55.5%	16	3	42	30	1	1	7	8
New Jersey	2	2	-16.4%	NM	*	2	2	NM	*	NM	*
New York	38	21	84.8%	15	3	16	9	1	1	6	8
Pennsylvania	26	19	32.2%	NM	*	25	19	NM	*	NM	*
East North Central	59	59	0.9%	46	50	12	7	NM	*	1	1
Illinois	8	7	26.3%	2	3	7	4	NM	*	NM	*
Indiana	9	15	-38.1%	9	14	NM	*	NM	*	1	1
Michigan	11	7	60.8%	11	6	--	--	NM	*	*	*
Ohio	24	27	-11.2%	19	25	5	2	NM	*	*	*
Wisconsin	6	3	129.5%	6	2	*	*	NM	*	NM	*
West North Central	22	29	-24.2%	22	28	NM	*	NM	*	NM	*
Iowa	7	8	-13.5%	7	8	NM	*	NM	*	NM	*
Kansas	5	2	195.2%	5	2	--	--	--	--	--	--
Minnesota	NM	3	NM	NM	3	NM	*	NM	*	NM	*
Missouri	3	6	-49.6%	3	6	--	--	NM	*	--	--
Nebraska	1	3	-63.2%	1	3	--	--	--	--	--	--
North Dakota	4	5	-21.8%	4	5	--	--	NM	*	NM	*
South Dakota	NM	2	NM	NM	2	NM	*	NM	*	--	--
South Atlantic	77	128	-40.1%	55	99	12	14	NM	*	9	14
Delaware	1	1	82.4%	NM	*	1	1	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	15	52	-71.6%	11	45	2	1	--	--	NM	5
Georgia	2	8	-74.6%	-2	4	*	*	NM	*	3	3
Maryland	7	9	-25.7%	NM	*	6	9	NM	*	*	*
North Carolina	17	12	32.9%	15	11	NM	*	NM	*	NM	1
South Carolina	9	15	-41.2%	8	14	--	--	NM	*	1	1
Virginia	14	20	-30.9%	10	14	1	3	NM	*	3	3
West Virginia	13	11	16.7%	13	11	--	--	--	--	--	--
East South Central	26	24	9.4%	24	23	NM	*	--	--	NM	1
Alabama	8	6	37.2%	6	5	NM	*	--	--	NM	1
Kentucky	10	12	-20.7%	10	12	--	--	--	--	--	--
Mississippi	1	1	-34.4%	*	1	--	--	--	--	*	*
Tennessee	8	5	61.2%	8	5	--	--	--	--	NM	*
West South Central	13	13	3.0%	8	4	4	7	NM	*	NM	1
Arkansas	4	4	12.4%	4	1	1	2	--	--	NM	*
Louisiana	1	4	-61.8%	NM	1	1	3	--	--	*	1
Oklahoma	1	1	43.7%	1	1	--	--	NM	*	--	--
Texas	6	4	46.2%	3	1	3	3	NM	*	NM	*
Mountain	20	23	-10.1%	20	20	1	2	NM	*	NM	1
Arizona	5	4	33.3%	5	3	--	--	NM	*	NM	1
Colorado	1	1	15.7%	1	1	--	--	--	--	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	NM	1	NM	NM	*	NM	1	--	--	--	--
Nevada	1	1	40.2%	1	1	*	*	--	--	--	--
New Mexico	5	2	146.2%	5	2	NM	*	--	--	--	--
Utah	4	7	-40.2%	4	7	NM	*	--	--	--	--
Wyoming	3	7	-50.1%	3	7	--	--	--	--	NM	*
Pacific Contiguous	6	6	6.1%	4	3	1	1	NM	*	NM	2
California	3	3	3.9%	3	3	NM	*	NM	*	NM	*
Oregon	*	1	-27.4%	*	1	--	--	NM	*	--	--
Washington	3	2	18.2%	NM	*	1	*	NM	*	NM	2
Pacific Noncontiguous	654	738	-11.3%	514	582	133	137	NM	1	8	17
Alaska	75	97	-22.3%	71	91	--	--	NM	1	4	5
Hawaii	579	641	-9.6%	442	491	133	137	*	*	4	12
U.S. Total	976	1,082	-9.8%	712	822	225	204	7	6	32	49

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.8.B. Net Generation from Petroleum Liquids
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	396	623	-36.5%	56	117	243	371	53	53	44	83
Connecticut	107	164	-34.7%	5	5	99	155	NM	--	NM	4
Maine	106	171	-38.3%	NM	1	62	89	NM	2	40	79
Massachusetts	132	189	-30.4%	17	38	80	125	35	26	NM	NM
New Hampshire	33	77	-56.7%	19	57	NM	1	14	20	NM	*
Rhode Island	13	13	-3.9%	11	10	NM	1	NM	2	--	--
Vermont	5	8	-41.1%	NM	6	--	--	NM	2	--	--
Middle Atlantic	821	1,403	-41.5%	340	473	400	827	12	12	69	91
New Jersey	33	107	-68.9%	NM	4	29	101	NM	1	NM	1
New York	561	897	-37.5%	338	469	149	332	10	10	63	88
Pennsylvania	227	399	-43.2%	NM	*	221	394	1	2	5	3
East North Central	577	720	-19.8%	474	600	83	97	3	5	16	17
Illinois	64	75	-13.9%	20	24	44	51	NM	*	NM	*
Indiana	111	156	-29.2%	100	143	NM	*	NM	2	11	12
Michigan	138	170	-18.9%	133	165	*	*	2	3	3	2
Ohio	225	287	-21.6%	186	243	37	43	NM	*	2	1
Wisconsin	39	31	24.0%	35	26	2	4	NM	*	NM	1
West North Central	272	273	-0.5%	262	266	5	2	NM	1	NM	4
Iowa	81	64	25.7%	80	63	1	1	NM	*	NM	*
Kansas	31	34	-9.3%	31	34	--	--	--	--	--	--
Minnesota	30	20	45.6%	23	17	4	1	NM	1	NM	1
Missouri	69	76	-8.8%	69	75	--	--	NM	*	--	1
Nebraska	19	34	-43.8%	19	34	--	--	--	--	--	--
North Dakota	33	37	-9.8%	32	35	--	--	NM	*	NM	2
South Dakota	8	7	21.4%	8	6	NM	*	NM	*	--	--
South Atlantic	1,691	2,815	-39.9%	1,333	2,187	246	457	3	3	109	168
Delaware	22	36	-38.7%	NM	1	21	34	--	--	--	--
District of Columbia	9	130	-92.8%	--	--	9	130	--	--	--	--
Florida	708	1,357	-47.8%	670	1,307	22	11	--	--	17	39
Georgia	87	118	-26.8%	45	57	NM	4	2	2	38	56
Maryland	112	206	-45.4%	8	7	96	196	NM	*	7	3
North Carolina	178	203	-12.6%	160	174	4	3	NM	*	14	26
South Carolina	98	103	-5.3%	89	93	--	--	NM	*	8	10
Virginia	346	487	-29.1%	228	383	92	69	1	1	24	34
West Virginia	131	174	-24.5%	131	164	1	10	--	--	--	--
East South Central	355	442	-19.7%	323	414	1	5	--	--	31	23
Alabama	93	107	-13.0%	65	84	1	5	--	--	26	18
Kentucky	111	124	-10.1%	111	124	--	--	--	--	--	--
Mississippi	16	34	-52.6%	13	31	--	--	--	--	3	3
Tennessee	135	178	-24.2%	133	175	--	--	--	--	NM	2
West South Central	153	233	-34.2%	60	123	83	98	NM	2	9	11
Arkansas	29	49	-41.3%	16	26	12	21	--	--	NM	2
Louisiana	28	45	-36.9%	8	23	14	16	--	--	6	6
Oklahoma	10	14	-24.4%	10	13	--	--	NM	1	--	--
Texas	86	126	-31.5%	26	61	57	61	NM	1	NM	2
Mountain	217	231	-6.0%	196	208	19	21	NM	*	NM	2
Arizona	41	49	-17.3%	39	48	--	--	NM	*	NM	2
Colorado	16	19	-18.4%	16	19	*	--	--	*	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	13	17	-19.6%	NM	2	12	15	--	--	--	--
Nevada	18	13	39.9%	13	8	5	4	--	--	--	--
New Mexico	44	33	30.5%	42	31	NM	2	--	--	--	--
Utah	41	48	-13.4%	41	48	NM	*	--	--	--	--
Wyoming	44	52	-14.2%	44	52	--	--	--	--	NM	*
Pacific Contiguous	78	85	-8.5%	43	46	20	16	NM	1	15	23
California	47	44	7.3%	32	34	12	6	NM	*	2	2
Oregon	5	8	-29.6%	5	6	--	--	NM	*	--	1
Washington	26	34	-23.9%	6	5	8	9	NM	*	13	19
Pacific Noncontiguous	7,676	8,083	-5.0%	6,167	6,376	1,333	1,522	NM	4	174	181
Alaska	931	849	9.6%	885	802	--	--	NM	3	43	45
Hawaii	6,746	7,233	-6.7%	5,281	5,574	1,333	1,522	1	1	131	136
U.S. Total	12,236	14,908	-17.9%	9,254	10,809	2,434	3,417	78	81	470	602

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.9.A. Net Generation from Petroleum Coke
by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	7	NM	--	--	--	--	--	--	NM	7
New Jersey	--	3	-100.0%	--	--	--	--	--	--	--	3
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	NM	4	NM	--	--	--	--	--	--	NM	4
East North Central	108	138	-21.2%	*	13	83	100	--	--	25	25
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	11	NM	--	--	6	6	--	--	NM	5
Ohio	77	94	-18.5%	--	--	77	94	--	--	--	*
Wisconsin	21	33	-35.5%	*	13	--	--	--	--	21	19
West North Central	1	*	207.2%	*	--	--	--	1	*	--	--
Iowa	1	*	223.4%	--	--	--	--	1	*	--	--
Kansas	*	--	--	*	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	58	32	83.6%	35	1	--	--	--	--	23	31
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	35	1	NM	35	1	--	--	--	--	--	--
Georgia	23	31	-24.4%	--	--	--	--	--	--	23	31
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	143	103	37.8%	143	103	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	143	103	37.8%	143	103	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	442	327	35.0%	276	281	--	NM	--	--	165	32
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	294	308	-4.4%	276	281	--	--	--	--	NM	26
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	147	NM	NM	--	--	--	NM	--	--	147	6
Mountain	42	40	5.7%	--	--	42	40	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	42	40	5.7%	--	--	42	40	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	53	NM	--	--	NM	53	--	--	--	--
California	NM	53	NM	--	--	NM	53	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	803	701	14.6%	454	399	130	207	1	*	219	95

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Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.9.B. Net Generation from Petroleum Coke
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	332	NM	--	--	--	260	--	--	NM	72
New Jersey	--	54	-100.0%	--	--	--	--	--	--	--	54
New York	--	260	-100.0%	--	--	--	260	--	--	--	--
Pennsylvania	NM	18	NM	--	--	--	--	--	--	NM	18
East North Central	2,107	2,748	-23.3%	886	1,406	967	1,051	--	--	254	292
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	831	1,092	-23.9%	831	1,092	--	--	--	--	--	--
Michigan	116	154	-24.8%	--	--	67	60	--	--	NM	94
Ohio	902	991	-8.9%	--	--	901	990	--	--	NM	*
Wisconsin	258	510	-49.5%	55	313	--	--	--	--	202	197
West North Central	17	90	-81.4%	12	88	--	--	5	2	--	--
Iowa	17	71	-76.2%	12	69	--	--	5	2	--	--
Kansas	*	19	-100.5%	*	19	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	924	2,112	-56.2%	641	1,726	--	--	--	--	284	386
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	641	1,726	-62.9%	641	1,726	--	--	--	--	--	--
Georgia	284	386	-26.6%	--	--	--	--	--	--	284	386
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	1,297	1,519	-14.6%	1,297	1,519	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	1,297	1,519	-14.6%	1,297	1,519	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	3,844	5,077	-24.3%	2,410	4,023	55	670	--	--	1,379	385
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	2,602	4,295	-39.4%	2,410	4,023	--	--	--	--	192	272
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	1,242	783	58.7%	--	--	55	670	--	--	1,187	113
Mountain	412	399	3.2%	--	--	412	399	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	412	399	3.2%	--	--	412	399	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	255	811	-68.5%	--	--	255	811	--	--	--	--
California	255	811	-68.5%	--	--	255	811	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	8,907	13,088	-31.9%	5,246	8,761	1,690	3,190	5	2	1,966	1,134

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.10.A. Net Generation from Natural Gas by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	4,320	5,235	-17.5%	29	27	4,063	4,940	47	60	182	209
Connecticut	1,571	1,344	16.9%	NM	NM	1,542	1,303	NM	19	NM	19
Maine	388	545	-28.9%	--	--	231	370	NM	*	157	175
Massachusetts	1,599	1,916	-16.6%	23	16	1,534	1,851	32	37	NM	12
New Hampshire	308	619	-50.2%	2	7	305	610	--	--	NM	2
Rhode Island	454	810	-43.9%	--	--	451	806	NM	NM	--	--
Vermont	*	*	81.4%	*	*	--	--	--	--	--	--
Middle Atlantic	9,567	9,227	3.7%	1,036	871	8,378	8,179	60	61	93	117
New Jersey	1,329	2,156	-38.4%	--	--	1,292	2,103	NM	10	NM	42
New York	4,470	3,745	19.4%	1,036	870	3,367	2,810	49	47	NM	19
Pennsylvania	3,768	3,325	13.3%	NM	*	3,720	3,265	NM	4	NM	56
East North Central	4,509	3,528	27.8%	1,569	1,221	2,756	2,140	93	82	90	86
Illinois	476	172	177.2%	NM	27	410	104	33	29	NM	12
Indiana	857	863	-0.7%	614	618	206	190	NM	5	34	50
Michigan	963	1,042	-7.6%	122	236	786	758	40	37	15	11
Ohio	1,534	937	63.8%	482	144	1,037	783	NM	6	NM	4
Wisconsin	679	515	31.9%	342	195	316	305	NM	6	14	8
West North Central	882	318	177.8%	754	268	107	26	NM	14	NM	10
Iowa	97	13	655.1%	96	12	--	*	NM	1	NM	*
Kansas	NM	65	NM	NM	65	--	--	--	--	NM	*
Minnesota	386	99	287.9%	280	64	91	25	NM	5	NM	5
Missouri	248	132	88.1%	232	122	16	1	*	8	NM	*
Nebraska	14	8	74.4%	12	4	--	--	NM	*	NM	4
North Dakota	NM	1	NM	*	*	--	--	--	--	NM	1
South Dakota	NM	*	NM	NM	*	--	--	--	--	--	--
South Atlantic	17,536	15,368	14.1%	14,437	12,291	2,821	2,850	NM	6	259	222
Delaware	322	532	-39.5%	NM	2	288	490	--	--	31	39
District of Columbia	NM	5	NM	--	5	--	--	NM	--	--	--
Florida	9,992	9,869	1.3%	9,262	9,118	623	635	NM	2	105	113
Georgia	2,959	1,713	72.7%	2,127	748	746	922	--	--	86	44
Maryland	312	38	718.3%	--	--	296	26	NM	3	NM	9
North Carolina	1,057	1,000	5.7%	842	767	208	227	*	1	NM	6
South Carolina	1,328	1,068	24.3%	1,266	996	56	69	NM	--	5	3
Virginia	1,550	1,139	36.1%	937	654	593	478	--	--	20	7
West Virginia	12	3	369.8%	2	*	10	2	--	--	NM	*
East South Central	6,219	6,934	-10.3%	3,216	3,285	2,762	3,525	NM	8	233	115
Alabama	3,661	4,439	-17.5%	1,090	1,185	2,484	3,181	--	--	86	74
Kentucky	122	63	93.8%	105	52	NM	1	--	--	NM	10
Mississippi	2,194	2,222	-1.2%	1,788	1,850	274	343	NM	2	131	26
Tennessee	242	210	15.5%	233	198	--	--	NM	7	NM	5
West South Central	20,202	19,405	4.1%	4,578	4,966	10,306	9,540	42	36	5,276	4,862
Arkansas	1,048	731	43.3%	NM	36	973	679	NM	*	19	16
Louisiana	3,756	3,987	-5.8%	1,301	1,399	474	565	NM	3	1,977	2,019
Oklahoma	1,864	1,622	14.9%	1,486	1,349	366	267	NM	1	NM	5
Texas	13,533	13,065	3.6%	1,734	2,182	8,493	8,029	36	32	3,270	2,822
Mountain	4,773	5,087	-6.2%	3,085	3,379	1,594	1,628	17	14	77	67
Arizona	1,146	1,502	-23.7%	597	806	543	692	5	4	NM	--
Colorado	727	874	-16.8%	429	734	297	139	--	*	NM	1
Idaho	142	189	-25.0%	17	17	122	169	--	--	3	3
Montana	NM	78	NM	NM	76	NM	2	--	--	--	--
Nevada	1,754	1,369	28.1%	1,364	1,027	367	328	5	4	17	11
New Mexico	518	626	-17.3%	296	363	211	254	7	6	4	3
Utah	439	409	7.5%	373	353	NM	42	NM	*	15	14
Wyoming	38	39	-1.8%	NM	3	NM	1	--	--	37	35
Pacific Contiguous	11,350	9,989	13.6%	3,714	3,881	6,403	4,903	149	155	1,084	1,050
California	9,795	7,877	24.3%	2,931	2,736	5,648	3,956	145	148	1,070	1,036
Oregon	1,171	1,335	-12.2%	465	540	696	780	NM	6	NM	10
Washington	384	777	-50.6%	318	605	58	166	NM	1	7	4
Pacific Noncontiguous	348	350	-0.6%	343	345	--	--	NM	*	NM	5
Alaska	348	350	-0.6%	343	345	--	--	NM	*	NM	5
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	79,707	75,441	5.7%	32,760	30,532	39,190	37,730	447	437	7,309	6,742

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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 1.10.B. Net Generation from Natural Gas
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	58,465	58,274	0.3%	358	350	55,080	55,096	619	640	2,407	2,188
Connecticut	15,142	13,879	9.1%	NM	NM	14,661	13,447	188	193	255	208
Maine	5,786	6,187	-6.5%	--	--	3,841	4,356	NM	*	1,944	1,830
Massachusetts	23,246	24,316	-4.4%	261	237	22,421	23,548	381	405	183	126
New Hampshire	6,557	6,020	8.9%	58	80	6,475	5,917	--	--	24	24
Rhode Island	7,731	7,870	-1.8%	--	--	7,682	7,828	50	42	--	--
Vermont	2	3	-24.9%	2	3	--	--	--	--	--	--
Middle Atlantic	130,479	107,682	21.2%	13,083	12,123	115,311	93,638	725	603	1,360	1,317
New Jersey	25,821	23,137	11.6%	--	--	25,242	22,575	116	111	463	451
New York	55,738	46,716	19.3%	13,073	12,118	41,894	33,928	540	445	232	224
Pennsylvania	48,920	37,829	29.3%	NM	5	48,176	37,135	69	47	666	642
East North Central	78,520	42,751	83.7%	28,117	14,826	47,881	25,933	1,116	891	1,406	1,101
Illinois	11,027	5,696	93.6%	1,529	1,019	8,716	3,929	367	366	415	382
Indiana	13,783	8,789	56.8%	10,874	6,302	2,345	2,005	51	44	513	439
Michigan	21,654	11,702	85.0%	4,415	2,358	16,599	8,971	413	239	226	135
Ohio	20,916	10,937	91.2%	5,589	2,616	15,087	8,094	174	169	66	58
Wisconsin	11,141	5,626	98.0%	5,709	2,531	5,134	2,935	112	73	186	88
West North Central	18,675	11,427	63.4%	15,585	9,718	2,668	1,448	247	157	175	103
Iowa	1,853	976	89.9%	1,828	965	NM	*	NM	7	NM	4
Kansas	3,052	2,462	24.0%	3,030	2,461	--	--	--	--	NM	1
Minnesota	6,577	3,094	112.5%	5,245	2,326	1,112	613	141	97	79	58
Missouri	6,018	4,326	39.1%	4,369	3,439	1,556	836	91	50	NM	1
Nebraska	856	421	103.6%	817	398	--	--	NM	3	35	20
North Dakota	NM	19	NM	NM	*	--	--	--	--	NM	19
South Dakota	295	129	128.6%	295	129	--	--	--	--	--	--
South Atlantic	243,474	195,867	24.3%	189,274	154,831	50,955	38,740	212	201	3,032	2,096
Delaware	6,444	4,252	51.6%	NM	16	5,944	4,077	--	--	476	158
District of Columbia	NM	66	NM	NM	66	--	--	NM	--	--	--
Florida	138,719	126,383	9.8%	126,243	115,701	11,100	9,428	NM	27	1,338	1,228
Georgia	39,010	24,460	59.5%	22,998	11,875	15,286	12,132	--	--	725	454
Maryland	4,821	2,218	117.4%	--	--	4,519	1,948	162	174	140	96
North Carolina	17,873	9,970	79.3%	14,784	7,578	2,991	2,337	5	1	93	54
South Carolina	13,076	11,851	10.3%	11,595	10,520	1,432	1,313	NM	--	46	18
Virginia	23,225	16,423	41.4%	13,524	9,046	9,494	7,294	--	--	207	83
West Virginia	231	246	-6.0%	33	30	189	211	--	--	NM	6
East South Central	96,819	75,115	28.9%	50,198	38,762	44,959	34,910	126	115	1,537	1,327
Alabama	51,213	43,128	18.7%	13,180	12,681	37,159	29,710	--	--	874	737
Kentucky	2,904	1,495	94.3%	2,371	1,124	337	143	--	--	196	229
Mississippi	35,711	27,548	29.6%	27,798	22,176	7,462	5,057	NM	22	429	292
Tennessee	6,991	2,944	137.5%	6,848	2,781	--	--	104	93	39	69
West South Central	309,275	278,093	11.2%	84,515	77,612	167,818	145,588	537	493	56,405	54,400
Arkansas	16,617	12,168	36.6%	2,649	2,257	13,775	9,725	NM	*	193	186
Louisiana	54,422	50,396	8.0%	21,327	21,006	11,272	7,384	NM	44	21,781	21,963
Oklahoma	37,528	30,726	22.1%	25,679	22,588	11,720	8,035	NM	21	95	81
Texas	200,708	184,803	8.6%	34,860	31,761	131,051	120,444	460	428	34,336	32,170
Mountain	79,607	65,367	21.8%	46,788	40,167	31,580	24,239	193	186	1,046	775
Arizona	29,400	22,036	33.4%	13,468	9,350	15,861	12,624	62	58	NM	3
Colorado	10,143	9,217	10.0%	5,537	7,747	4,586	1,455	4	4	17	11
Idaho	1,845	879	110.0%	575	116	1,239	723	--	--	31	39
Montana	162	388	-58.3%	138	377	NM	11	--	--	--	--
Nevada	23,511	19,976	17.7%	17,226	14,008	5,961	5,760	55	55	270	153
New Mexico	8,144	7,729	5.4%	4,771	4,436	3,227	3,186	69	69	77	39
Utah	5,904	4,732	24.8%	5,024	4,105	667	473	NM	*	211	154
Wyoming	499	410	21.7%	NM	27	NM	7	--	--	433	376
Pacific Contiguous	127,720	89,450	42.8%	40,837	28,780	73,830	47,848	1,612	1,698	11,441	11,124
California	111,723	78,730	41.9%	32,877	23,707	65,992	42,364	1,556	1,662	11,299	10,998
Oregon	10,835	6,816	59.0%	3,865	2,217	6,839	4,492	43	31	89	76
Washington	5,161	3,903	32.2%	4,095	2,856	999	992	NM	5	53	50
Pacific Noncontiguous	3,572	3,542	0.8%	3,505	3,487	--	--	NM	3	63	52
Alaska	3,572	3,542	0.8%	3,505	3,487	--	--	NM	3	63	52
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	1,146,605	927,567	23.6%	472,259	380,657	590,081	467,440	5,392	4,988	78,873	74,482

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.11.A. Net Generation from Other Gases
by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	55	73	-24.8%	--	--	--	4	--	*	55	69
New Jersey	NM	13	NM	--	--	--	--	--	*	NM	12
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	46	60	-23.2%	--	--	--	4	--	--	46	56
East North Central	191	242	-20.9%	--	--	10	23	--	--	181	219
Illinois	NM	30	NM	--	--	*	--	--	--	NM	30
Indiana	154	176	-12.8%	--	--	--	--	--	--	154	176
Michigan	10	13	-25.7%	--	--	10	13	--	--	--	--
Ohio	NM	23	NM	--	--	--	10	--	--	NM	13
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	NM	2	NM	--	--	--	--	--	--	NM	2
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	NM	2	NM	--	--	--	--	--	--	NM	2
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	10	35	-69.9%	--	--	--	--	--	--	10	35
Delaware	8	21	-63.9%	--	--	--	--	--	--	8	21
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	*	*	-45.3%	--	--	--	--	--	--	*	*
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	11	-100.0%	--	--	--	--	--	--	--	11
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	3	2	4.1%	--	--	--	--	--	--	3	2
East South Central	6	28	-79.8%	--	--	--	--	--	--	6	28
Alabama	5	27	-82.8%	--	--	--	--	--	--	5	27
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	1	1	-20.7%	--	--	--	--	--	--	1	1
West South Central	323	353	-8.4%	--	--	139	171	--	--	184	181
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	122	89	37.3%	--	--	19	22	--	--	103	67
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	201	264	-23.7%	--	--	120	149	--	--	81	114
Mountain	25	27	-4.7%	--	--	*	1	--	--	25	26
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	*	*	-66.7%	--	--	*	*	--	--	--	--
Nevada	*	1	-30.3%	--	--	*	1	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	NM	3	NM	--	--	--	--	--	--	NM	3
Wyoming	23	23	-2.4%	--	--	--	--	--	--	23	23
Pacific Contiguous	143	181	-21.0%	NM	4	33	25	--	--	110	153
California	111	157	-29.5%	NM	4	--	--	--	--	110	153
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	33	25	33.4%	--	--	33	25	--	--	--	--
Pacific Noncontiguous	NM	3	NM	--	--	--	--	--	--	NM	3
Alaska	NM	*	NM	--	--	--	--	--	--	NM	*
Hawaii	NM	3	NM	--	--	--	--	--	--	NM	3
U.S. Total	759	943	-19.5%	NM	4	182	224	--	*	576	715

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.11.B. Net Generation from Other Gases
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	720	683	5.4%	--	--	43	37	NM	3	673	643
New Jersey	139	126	10.0%	--	--	--	--	NM	3	135	123
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	581	557	4.4%	--	--	43	37	--	--	538	520
East North Central	2,859	2,809	1.8%	--	--	325	362	--	--	2,534	2,447
Illinois	289	287	0.6%	--	--	7	*	--	--	281	286
Indiana	2,067	1,985	4.1%	--	--	--	--	--	--	2,067	1,985
Michigan	286	255	12.3%	--	--	286	255	--	--	--	--
Ohio	217	282	-23.2%	--	--	31	107	--	--	185	175
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	37	37	1.5%	--	--	--	--	--	--	37	37
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	37	37	1.5%	--	--	--	--	--	--	37	37
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	449	366	22.7%	--	--	--	--	--	--	449	366
Delaware	237	190	24.6%	--	--	--	--	--	--	237	190
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	6	6	1.7%	--	--	--	--	--	--	6	6
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	177	142	24.8%	--	--	--	--	--	--	177	142
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	29	28	4.0%	--	--	--	--	--	--	29	28
East South Central	204	279	-27.0%	--	--	--	--	--	--	204	279
Alabama	190	264	-27.8%	--	--	--	--	--	--	190	264
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	13	15	-12.9%	--	--	--	--	--	--	13	15
West South Central	3,892	4,298	-9.5%	--	--	1,736	1,996	--	--	2,156	2,303
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,146	1,197	-4.2%	--	--	244	232	--	--	902	965
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	2,746	3,102	-11.5%	--	--	1,492	1,764	--	--	1,254	1,338
Mountain	287	270	6.0%	--	--	7	7	--	--	280	264
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	*	*	-32.9%	--	--	*	*	--	--	--	--
Nevada	7	7	-1.1%	--	--	7	7	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	27	29	-7.3%	--	--	--	--	--	--	27	29
Wyoming	253	235	7.8%	--	--	--	--	--	--	253	235
Pacific Contiguous	1,875	1,784	5.1%	10	26	374	265	--	--	1,491	1,494
California	1,501	1,520	-1.3%	10	26	--	--	--	--	1,491	1,494
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	374	265	41.2%	--	--	374	265	--	--	--	--
Pacific Noncontiguous	32	35	-6.8%	--	--	--	--	--	--	32	35
Alaska	NM	3	NM	--	--	--	--	--	--	NM	3
Hawaii	30	32	-7.4%	--	--	--	--	--	--	30	32
U.S. Total	10,354	10,561	-2.0%	10	26	2,485	2,667	NM	3	7,856	7,866

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.12.A. Net Generation from Nuclear Energy by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	2,824	2,473	14.2%	--	--	2,824	2,473	--	--	--	--
Connecticut	1,024	823	24.4%	--	--	1,024	823	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	483	354	36.4%	--	--	483	354	--	--	--	--
New Hampshire	888	899	-1.2%	--	--	888	899	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	428	397	7.8%	--	--	428	397	--	--	--	--
Middle Atlantic	10,640	12,743	-16.5%	--	--	10,640	12,743	--	--	--	--
New Jersey	1,789	2,377	-24.7%	--	--	1,789	2,377	--	--	--	--
New York	2,754	3,760	-26.8%	--	--	2,754	3,760	--	--	--	--
Pennsylvania	6,096	6,605	-7.7%	--	--	6,096	6,605	--	--	--	--
East North Central	12,293	12,762	-3.7%	1,605	2,236	10,688	10,526	--	--	--	--
Illinois	7,794	8,187	-4.8%	--	--	7,794	8,187	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	2,122	2,816	-24.6%	1,605	2,236	517	580	--	--	--	--
Ohio	1,533	910	68.5%	--	--	1,533	910	--	--	--	--
Wisconsin	843	849	-0.7%	--	--	843	849	--	--	--	--
West North Central	2,597	3,046	-14.8%	2,567	2,608	29	438	--	--	--	--
Iowa	29	438	-93.3%	--	--	29	438	--	--	--	--
Kansas	863	864	-0.1%	863	864	--	--	--	--	--	--
Minnesota	804	1,059	-24.0%	804	1,059	--	--	--	--	--	--
Missouri	890	116	669.3%	890	116	--	--	--	--	--	--
Nebraska	10	570	-98.2%	10	570	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	13,655	15,443	-11.6%	12,459	14,170	1,197	1,273	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,423	1,970	-27.8%	1,423	1,970	--	--	--	--	--	--
Georgia	2,993	2,981	0.4%	2,993	2,981	--	--	--	--	--	--
Maryland	1,197	1,273	-6.0%	--	--	1,197	1,273	--	--	--	--
North Carolina	2,719	3,109	-12.6%	2,719	3,109	--	--	--	--	--	--
South Carolina	3,312	4,376	-24.3%	3,312	4,376	--	--	--	--	--	--
Virginia	2,012	1,733	16.1%	2,012	1,733	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	5,574	6,708	-16.9%	5,574	6,708	--	--	--	--	--	--
Alabama	2,909	3,475	-16.3%	2,909	3,475	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	996	735	35.6%	996	735	--	--	--	--	--	--
Tennessee	1,669	2,499	-33.2%	1,669	2,499	--	--	--	--	--	--
West South Central	4,341	5,354	-18.9%	2,044	2,441	2,297	2,913	--	--	--	--
Arkansas	1,343	876	53.2%	1,343	876	--	--	--	--	--	--
Louisiana	702	1,564	-55.2%	702	1,564	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	2,297	2,913	-21.1%	--	--	2,297	2,913	--	--	--	--
Mountain	2,437	1,928	26.4%	2,437	1,928	--	--	--	--	--	--
Arizona	2,437	1,928	26.4%	2,437	1,928	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	2,351	4,017	-41.5%	2,351	4,017	--	--	--	--	--	--
California	1,541	3,268	-52.8%	1,541	3,268	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	810	748	8.2%	810	748	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	56,713	64,474	-12.0%	29,038	34,107	27,674	30,367	--	--	--	--

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.12.B. Net Generation from Nuclear Energy
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	32,667	31,068	5.1%	--	--	32,667	31,068	--	--	--	--
Connecticut	15,509	14,356	8.0%	--	--	15,509	14,356	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	5,352	4,644	15.3%	--	--	5,352	4,644	--	--	--	--
New Hampshire	7,273	7,626	-4.6%	--	--	7,273	7,626	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	4,533	4,442	2.0%	--	--	4,533	4,442	--	--	--	--
Middle Atlantic	135,223	138,556	-2.4%	--	--	135,223	138,556	--	--	--	--
New Jersey	30,072	30,472	-1.3%	--	--	30,072	30,472	--	--	--	--
New York	36,899	39,029	-5.5%	--	--	36,899	39,029	--	--	--	--
Pennsylvania	68,251	69,055	-1.2%	--	--	68,251	69,055	--	--	--	--
East North Central	142,020	141,575	0.3%	21,216	23,848	120,805	117,727	--	--	--	--
Illinois	87,752	87,704	0.1%	--	--	87,752	87,704	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	25,789	29,926	-13.8%	21,216	23,848	4,573	6,079	--	--	--	--
Ohio	15,483	13,403	15.5%	--	--	15,483	13,403	--	--	--	--
Wisconsin	12,997	10,542	23.3%	--	--	12,997	10,542	--	--	--	--
West North Central	37,559	36,823	2.0%	33,549	32,069	4,010	4,754	--	--	--	--
Iowa	4,010	4,754	-15.7%	--	--	4,010	4,754	--	--	--	--
Kansas	7,381	6,423	14.9%	7,381	6,423	--	--	--	--	--	--
Minnesota	11,112	10,855	2.4%	11,112	10,855	--	--	--	--	--	--
Missouri	9,798	8,449	16.0%	9,798	8,449	--	--	--	--	--	--
Nebraska	5,258	6,341	-17.1%	5,258	6,341	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	167,861	170,486	-1.5%	155,578	157,405	12,282	13,081	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	15,877	20,316	-21.8%	15,877	20,316	--	--	--	--	--	--
Georgia	30,850	29,409	4.9%	30,850	29,409	--	--	--	--	--	--
Maryland	12,282	13,081	-6.1%	--	--	12,282	13,081	--	--	--	--
North Carolina	35,663	36,781	-3.0%	35,663	36,781	--	--	--	--	--	--
South Carolina	47,144	48,069	-1.9%	47,144	48,069	--	--	--	--	--	--
Virginia	26,045	22,831	14.1%	26,045	22,831	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	67,317	69,442	-3.1%	67,317	69,442	--	--	--	--	--	--
Alabama	37,285	35,647	4.6%	37,285	35,647	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	6,625	9,454	-29.9%	6,625	9,454	--	--	--	--	--	--
Tennessee	23,407	24,340	-3.8%	23,407	24,340	--	--	--	--	--	--
West South Central	63,656	64,790	-1.8%	29,061	27,955	34,595	36,835	--	--	--	--
Arkansas	14,104	12,824	10.0%	14,104	12,824	--	--	--	--	--	--
Louisiana	14,957	15,132	-1.2%	14,957	15,132	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	34,595	36,835	-6.1%	--	--	34,595	36,835	--	--	--	--
Mountain	28,964	28,316	2.3%	28,964	28,316	--	--	--	--	--	--
Arizona	28,964	28,316	2.3%	28,964	28,316	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	25,482	37,312	-31.7%	25,482	37,312	--	--	--	--	--	--
California	16,984	33,338	-49.1%	16,984	33,338	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	8,498	3,974	113.9%	8,498	3,974	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	700,748	718,367	-2.5%	361,167	376,346	339,581	342,021	--	--	--	--

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	598	627	-4.7%	80	86	452	472	NM	1	65	68
Connecticut	37	40	-5.8%	NM	4	34	36	--	--	--	--
Maine	292	306	-4.7%	--	--	230	241	--	--	62	65
Massachusetts	75	112	-32.7%	NM	27	56	83	NM	1	NM	1
New Hampshire	99	77	29.0%	28	26	71	51	--	--	NM	*
Rhode Island	NM	1	NM	--	--	NM	1	--	--	--	--
Vermont	94	92	1.7%	30	29	62	61	--	--	NM	2
Middle Atlantic	2,213	2,789	-20.7%	1,755	2,205	452	577	NM	*	NM	7
New Jersey	NM	2	NM	--	--	NM	2	--	--	--	--
New York	2,017	2,516	-19.8%	1,666	2,060	346	449	NM	*	NM	7
Pennsylvania	193	271	-28.7%	89	145	105	127	--	--	--	--
East North Central	309	357	-13.3%	283	320	NM	22	NM	--	NM	15
Illinois	NM	11	NM	NM	4	NM	7	NM	--	--	--
Indiana	44	34	27.1%	44	34	--	--	--	--	--	--
Michigan	86	106	-18.8%	78	96	NM	8	--	--	NM	2
Ohio	39	31	27.9%	39	31	--	--	--	--	--	--
Wisconsin	134	175	-23.3%	119	156	NM	7	NM	--	NM	13
West North Central	886	1,086	-18.4%	866	1,074	NM	7	--	--	NM	4
Iowa	NM	76	NM	NM	75	NM	1	--	--	--	--
Kansas	NM	1	NM	--	--	NM	1	--	--	--	--
Minnesota	NM	26	NM	NM	17	NM	6	--	--	NM	4
Missouri	21	34	-39.1%	21	34	--	--	--	--	--	--
Nebraska	100	133	-24.3%	100	133	--	--	--	--	--	--
North Dakota	190	263	-27.8%	190	263	--	--	--	--	--	--
South Dakota	471	552	-14.8%	471	552	--	--	--	--	--	--
South Atlantic	894	973	-8.2%	613	672	197	259	NM	*	83	43
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	13	NM	NM	13	--	--	--	--	--	--
Georgia	186	191	-2.4%	184	189	NM	1	--	--	NM	1
Maryland	144	214	-32.7%	--	--	144	214	--	--	--	--
North Carolina	285	281	1.7%	229	278	NM	2	NM	*	54	*
South Carolina	99	91	8.7%	96	88	NM	3	--	*	--	--
Virginia	66	71	-7.5%	61	67	NM	4	--	--	NM	1
West Virginia	102	113	-9.4%	NM	36	45	36	--	--	27	41
East South Central	1,383	1,746	-20.8%	1,320	1,746	NM	1	--	--	63	--
Alabama	512	671	-23.7%	512	671	--	--	--	--	--	--
Kentucky	155	238	-35.1%	154	237	NM	1	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	717	837	-14.4%	654	837	--	--	--	--	63	--
West South Central	157	279	-43.8%	130	222	27	57	--	--	--	--
Arkansas	74	158	-53.2%	71	156	NM	2	--	--	--	--
Louisiana	21	54	-61.2%	--	--	21	54	--	--	--	--
Oklahoma	35	58	-39.0%	35	58	--	--	--	--	--	--
Texas	26	9	207.9%	24	8	NM	1	--	--	--	--
Mountain	2,371	2,265	4.7%	2,040	1,991	330	274	--	--	--	--
Arizona	477	680	-29.9%	477	680	--	--	--	--	--	--
Colorado	95	26	267.2%	84	24	NM	2	--	--	--	--
Idaho	635	527	20.5%	600	504	NM	23	--	--	--	--
Montana	872	789	10.6%	592	544	280	245	--	--	--	--
Nevada	177	140	26.8%	174	137	NM	3	--	--	--	--
New Mexico	NM	11	NM	NM	11	--	--	--	--	--	--
Utah	76	71	6.7%	75	70	NM	1	--	--	--	--
Wyoming	25	21	18.0%	24	21	NM	*	--	--	--	--
Pacific Contiguous	9,901	10,405	-4.9%	9,794	10,279	106	126	NM	*	NM	*
California	1,474	1,959	-24.8%	1,405	1,870	69	89	NM	*	--	--
Oregon	2,668	2,717	-1.8%	2,647	2,697	NM	21	--	--	--	--
Washington	5,759	5,729	0.5%	5,741	5,712	NM	16	--	--	NM	*
Pacific Noncontiguous	123	152	-19.2%	119	137	1	5	--	--	NM	10
Alaska	118	133	-11.2%	118	133	--	--	--	--	--	--
Hawaii	NM	19	NM	NM	4	1	5	--	--	NM	10
U.S. Total	18,834	20,681	-8.9%	17,001	18,732	1,594	1,801	NM	2	236	146

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.13.B. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	6,804	7,913	-14.0%	907	1,032	5,244	6,168	NM	5	649	707
Connecticut	433	517	-16.3%	NM	48	392	468	--	--	--	--
Maine	3,215	3,621	-11.2%	--	--	2,594	2,945	--	--	621	676
Massachusetts	882	1,014	-13.1%	213	248	659	756	NM	5	NM	5
New Hampshire	1,176	1,480	-20.6%	299	329	873	1,147	--	--	NM	5
Rhode Island	NM	7	NM	--	--	NM	7	--	--	--	--
Vermont	1,093	1,275	-14.3%	354	408	720	846	--	--	NM	21
Middle Atlantic	25,104	28,160	-10.9%	20,012	22,149	5,029	5,939	NM	5	57	67
New Jersey	NM	22	NM	--	--	NM	22	--	--	--	--
New York	23,000	25,276	-9.0%	19,093	20,593	3,846	4,611	NM	5	57	67
Pennsylvania	2,078	2,862	-27.4%	920	1,556	1,158	1,306	--	--	--	--
East North Central	3,921	4,183	-6.2%	3,550	3,753	208	256	NM	--	150	173
Illinois	90	129	-30.0%	NM	43	54	86	NM	--	--	--
Indiana	425	390	8.9%	425	390	--	--	--	--	--	--
Michigan	1,201	1,248	-3.8%	1,095	1,132	83	90	--	--	NM	27
Ohio	353	369	-4.4%	353	369	--	--	--	--	--	--
Wisconsin	1,852	2,045	-9.5%	1,642	1,818	71	81	NM	--	126	146
West North Central	11,538	12,758	-9.6%	11,257	12,474	184	172	--	--	97	112
Iowa	742	862	-13.9%	735	854	NM	8	--	--	--	--
Kansas	NM	14	NM	--	--	NM	14	--	--	--	--
Minnesota	680	711	-4.3%	416	448	166	151	--	--	97	112
Missouri	701	1,106	-36.6%	701	1,106	--	--	--	--	--	--
Nebraska	1,373	1,507	-8.9%	1,373	1,507	--	--	--	--	--	--
North Dakota	2,323	2,387	-2.7%	2,323	2,387	--	--	--	--	--	--
South Dakota	5,708	6,172	-7.5%	5,708	6,172	--	--	--	--	--	--
South Atlantic	10,507	12,071	-13.0%	7,966	8,790	1,959	2,750	NM	9	572	521
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	141	162	-12.9%	141	162	--	--	--	--	--	--
Georgia	2,150	2,506	-14.2%	2,127	2,482	NM	7	--	--	NM	17
Maryland	1,479	2,237	-33.9%	--	--	1,479	2,237	--	--	--	--
North Carolina	3,285	3,338	-1.6%	3,202	3,307	NM	20	NM	9	55	1
South Carolina	1,291	1,454	-11.2%	1,257	1,413	NM	40	NM	*	--	--
Virginia	949	1,086	-12.7%	888	1,016	52	61	--	--	NM	10
West Virginia	1,212	1,288	-5.8%	351	409	370	385	--	--	491	493
East South Central	15,883	18,583	-14.5%	15,813	18,574	NM	9	--	--	63	--
Alabama	6,422	7,609	-15.6%	6,422	7,609	--	--	--	--	--	--
Kentucky	2,130	2,648	-19.6%	2,122	2,639	NM	9	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	7,331	8,327	-12.0%	7,268	8,327	--	--	--	--	63	--
West South Central	4,305	5,416	-20.5%	3,595	4,414	710	1,002	--	--	--	--
Arkansas	2,080	2,563	-18.8%	2,046	2,529	NM	34	--	--	--	--
Louisiana	646	929	-30.5%	--	--	646	929	--	--	--	--
Oklahoma	1,099	1,370	-19.8%	1,099	1,370	--	--	--	--	--	--
Texas	481	553	-13.1%	450	514	NM	39	--	--	--	--
Mountain	33,634	39,600	-15.1%	29,247	34,889	4,387	4,711	--	--	--	--
Arizona	6,250	8,486	-26.3%	6,250	8,486	--	--	--	--	--	--
Colorado	1,862	2,064	-9.8%	1,699	1,899	162	166	--	--	--	--
Idaho	10,890	12,808	-15.0%	10,024	11,899	866	909	--	--	--	--
Montana	10,246	11,664	-12.2%	6,945	8,092	3,301	3,571	--	--	--	--
Nevada	2,296	2,043	12.4%	2,258	2,000	NM	43	--	--	--	--
New Mexico	188	182	2.8%	188	182	--	--	--	--	--	--
Utah	1,039	1,152	-9.9%	1,028	1,140	NM	12	--	--	--	--
Wyoming	864	1,200	-28.1%	855	1,191	NM	9	--	--	--	--
Pacific Contiguous	140,203	165,672	-15.4%	138,463	162,826	1,732	2,839	NM	4	NM	3
California	24,054	40,781	-41.0%	22,794	38,458	1,254	2,319	NM	4	--	--
Oregon	35,613	39,285	-9.3%	35,356	39,010	257	275	--	--	--	--
Washington	80,536	85,606	-5.9%	80,313	85,358	221	245	--	--	NM	3
Pacific Noncontiguous	1,388	1,268	9.4%	1,323	1,211	24	19	--	--	NM	38
Alaska	1,307	1,196	9.3%	1,307	1,196	--	--	--	--	--	--
Hawaii	81	73	11.8%	NM	16	24	19	--	--	NM	38
U.S. Total	253,287	295,623	-14.3%	232,133	270,113	19,485	23,865	NM	23	1,632	1,621

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.14.A. Net Generation from Other Renewable Sources by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	762	713	6.9%	74	46	488	477	10	10	190	180
Connecticut	56	58	-3.3%	--	--	56	58	--	--	--	--
Maine	408	413	-1.3%	--	--	208	225	9	8	190	180
Massachusetts	110	106	3.2%	NM	8	104	96	NM	NM	--	--
New Hampshire	122	88	38.1%	34	17	88	71	--	--	--	*
Rhode Island	10	11	-10.2%	--	--	10	11	--	--	--	--
Vermont	57	37	55.6%	35	20	22	16	NM	*	--	--
Middle Atlantic	914	958	-4.7%	NM	1	800	873	44	39	66	45
New Jersey	90	72	25.1%	NM	1	65	52	22	19	NM	--
New York	415	507	-18.3%	--	--	383	478	11	11	21	18
Pennsylvania	409	379	7.8%	--	--	352	342	11	10	46	27
East North Central	1,612	2,105	-23.4%	154	116	1,294	1,816	21	20	144	153
Illinois	628	960	-34.5%	NM	2	627	958	--	*	--	--
Indiana	263	463	-43.3%	24	28	235	432	NM	2	NM	2
Michigan	309	289	7.0%	21	2	218	213	17	17	52	58
Ohio	130	119	9.0%	NM	2	98	81	NM	--	31	36
Wisconsin	282	274	2.9%	106	83	116	133	NM	1	59	57
West North Central	3,823	3,679	3.9%	1,240	1,073	2,530	2,557	7	7	47	42
Iowa	1,412	1,265	11.6%	801	589	607	674	NM	2	1	*
Kansas	636	390	63.1%	44	99	592	292	--	--	--	--
Minnesota	850	934	-8.9%	212	185	591	704	NM	4	45	41
Missouri	121	144	-16.2%	3	3	118	141	--	--	NM	*
Nebraska	124	129	-3.8%	23	26	100	102	NM	1	--	--
North Dakota	419	542	-22.7%	102	117	317	424	--	--	NM	1
South Dakota	262	275	-5.0%	55	54	207	221	--	--	--	--
South Atlantic	1,401	1,409	-0.6%	91	43	502	546	31	25	777	795
Delaware	9	14	-36.6%	NM	*	8	13	NM	1	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	358	410	-12.6%	17	16	185	202	NM	4	152	188
Georgia	287	264	8.6%	--	--	14	12	NM	1	270	251
Maryland	80	86	-7.1%	NM	*	61	69	6	5	13	12
North Carolina	199	189	5.3%	1	*	82	73	--	--	116	116
South Carolina	160	166	-3.9%	35	16	NM	2	--	--	122	148
Virginia	209	156	34.4%	38	10	50	50	19	15	103	81
West Virginia	100	125	-20.0%	--	--	100	125	--	--	--	--
East South Central	521	491	6.2%	8	6	17	25	--	--	496	460
Alabama	282	224	25.6%	NM	*	12	15	--	--	270	209
Kentucky	29	41	-29.0%	8	6	--	--	--	--	21	35
Mississippi	121	131	-7.3%	*	*	--	--	--	--	121	131
Tennessee	90	95	-5.8%	--	--	5	10	--	--	85	85
West South Central	3,985	4,009	-0.6%	183	92	3,351	3,452	NM	5	447	460
Arkansas	146	144	0.9%	--	--	7	9	NM	1	139	135
Louisiana	203	212	-4.0%	--	--	6	7	--	--	197	205
Oklahoma	848	657	29.1%	157	53	666	572	--	--	25	31
Texas	2,787	2,996	-7.0%	26	39	2,672	2,864	NM	4	86	89
Mountain	2,014	1,982	1.6%	291	293	1,687	1,647	NM	4	33	38
Arizona	115	60	92.5%	10	15	104	44	NM	1	--	--
Colorado	490	562	-12.7%	5	8	485	552	NM	1	NM	*
Idaho	207	195	6.3%	15	--	159	157	--	--	33	38
Montana	123	138	-11.1%	NM	11	115	128	--	--	--	--
Nevada	312	195	60.2%	--	--	310	193	NM	2	NM	*
New Mexico	205	222	-7.4%	--	--	205	222	NM	*	--	--
Utah	90	100	-9.6%	24	25	66	75	--	--	--	--
Wyoming	471	511	-7.8%	227	234	243	276	--	--	--	--
Pacific Contiguous	2,992	3,157	-5.2%	411	495	2,300	2,382	100	84	182	195
California	2,155	2,010	7.2%	126	127	1,870	1,743	97	82	61	58
Oregon	326	487	-33.0%	44	101	249	356	NM	2	31	28
Washington	511	660	-22.6%	241	267	181	284	--	--	89	109
Pacific Noncontiguous	83	86	-3.9%	NM	3	58	64	12	15	10	5
Alaska	NM	2	NM	NM	2	--	--	--	--	NM	*
Hawaii	82	84	-3.2%	1	1	58	64	12	15	10	5
U.S. Total	18,106	18,589	-2.6%	2,456	2,168	13,027	13,840	232	208	2,392	2,374

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.14.B. Net Generation from Other Renewable Sources by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	7,972	7,272	9.6%	588	516	5,368	4,850	113	95	1,902	1,811
Connecticut	634	599	6.0%	--	--	634	599	--	--	--	--
Maine	4,318	4,079	5.8%	--	--	2,317	2,187	99	81	1,902	1,811
Massachusetts	1,202	1,092	10.1%	66	41	1,123	1,038	13	12	--	--
New Hampshire	1,250	995	25.7%	314	261	936	734	--	--	NM	*
Rhode Island	118	118	-0.3%	--	--	118	118	--	--	--	--
Vermont	449	390	15.3%	208	215	239	173	NM	2	--	--
Middle Atlantic	10,000	8,976	11.4%	51	18	8,772	7,889	487	433	690	634
New Jersey	1,185	867	36.8%	51	18	875	626	257	222	NM	--
New York	4,644	4,400	5.5%	--	--	4,302	4,093	113	101	228	205
Pennsylvania	4,171	3,709	12.5%	--	--	3,595	3,170	116	110	460	429
East North Central	18,215	15,423	18.1%	1,653	1,018	14,803	12,669	226	179	1,533	1,556
Illinois	7,416	6,141	20.8%	13	10	7,403	6,130	NM	*	--	1
Indiana	3,123	3,298	-5.3%	279	271	2,805	2,989	21	20	19	19
Michigan	3,182	2,688	18.4%	250	4	2,171	1,913	192	147	569	624
Ohio	1,537	802	91.8%	15	14	1,172	440	NM	--	350	347
Wisconsin	2,956	2,494	18.5%	1,096	720	1,252	1,196	13	13	596	565
West North Central	35,768	29,894	19.6%	11,398	8,770	23,817	20,550	73	70	480	504
Iowa	12,767	9,690	31.7%	6,742	4,541	5,982	5,104	32	31	11	15
Kansas	4,509	3,450	30.7%	795	931	3,714	2,518	--	--	--	--
Minnesota	8,474	7,519	12.7%	1,809	1,566	6,177	5,451	29	26	458	477
Missouri	1,192	1,138	4.7%	32	33	1,157	1,102	--	--	3	4
Nebraska	1,195	988	20.9%	232	252	951	724	13	13	--	--
North Dakota	4,932	4,697	5.0%	1,170	995	3,755	3,694	--	--	7	9
South Dakota	2,699	2,411	12.0%	618	453	2,081	1,958	--	--	--	--
South Atlantic	15,544	15,064	3.2%	1,006	943	5,722	5,423	316	278	8,499	8,419
Delaware	134	145	-7.4%	NM	*	127	140	NM	4	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,283	4,255	0.7%	229	176	2,151	2,159	37	35	1,866	1,885
Georgia	3,056	2,892	5.6%	--	*	147	152	26	22	2,883	2,718
Maryland	793	735	7.9%	NM	*	606	548	61	50	124	137
North Carolina	2,188	2,134	2.6%	NM	10	970	894	--	--	1,216	1,230
South Carolina	1,885	1,925	-2.1%	445	368	20	20	--	--	1,420	1,538
Virginia	2,052	1,998	2.7%	324	388	549	530	188	167	991	913
West Virginia	1,153	979	17.7%	*	*	1,153	979	--	--	--	--
East South Central	5,549	5,284	5.0%	91	91	235	284	--	--	5,224	4,910
Alabama	2,978	2,581	15.4%	NM	1	174	211	--	--	2,803	2,368
Kentucky	299	395	-24.3%	90	89	--	--	--	--	209	306
Mississippi	1,310	1,383	-5.2%	*	*	--	--	--	--	1,310	1,382
Tennessee	962	926	3.9%	--	--	60	73	--	--	901	853
West South Central	41,444	38,692	7.1%	1,727	718	35,062	33,092	40	39	4,615	4,843
Arkansas	1,530	1,525	0.3%	--	--	78	72	5	5	1,447	1,449
Louisiana	2,042	2,222	-8.1%	--	--	70	64	--	--	1,972	2,158
Oklahoma	7,482	5,407	38.4%	1,437	618	5,774	4,505	--	--	271	284
Texas	30,391	29,537	2.9%	290	100	29,140	28,452	35	34	925	951
Mountain	20,345	17,437	16.7%	2,294	2,363	17,615	14,634	65	57	372	383
Arizona	1,239	474	161.4%	152	54	1,077	414	9	6	--	--
Colorado	5,641	4,798	17.6%	60	66	5,558	4,712	20	17	NM	3
Idaho	2,117	1,728	22.5%	35	--	1,715	1,349	--	--	367	380
Montana	1,119	1,101	1.7%	86	86	1,033	1,015	--	--	--	--
Nevada	3,001	2,235	34.2%	--	--	2,967	2,203	33	31	NM	1
New Mexico	2,321	2,069	12.2%	--	--	2,318	2,066	NM	3	--	--
Utah	998	896	11.4%	244	253	754	643	--	--	--	--
Wyoming	3,909	4,136	-5.5%	1,717	1,904	2,192	2,232	--	--	--	--
Pacific Contiguous	42,092	37,939	10.9%	6,397	5,367	32,649	29,632	1,043	970	2,003	1,969
California	28,492	25,234	12.9%	1,792	1,541	25,027	22,141	1,019	948	654	604
Oregon	6,178	5,207	18.7%	1,297	737	4,557	4,117	24	21	301	331
Washington	7,422	7,498	-1.0%	3,309	3,090	3,065	3,374	--	--	1,048	1,034
Pacific Noncontiguous	855	816	4.8%	34	49	576	505	139	147	106	116
Alaska	16	14	13.1%	13	11	--	--	--	--	NM	3
Hawaii	839	802	4.7%	21	38	576	505	139	147	104	112
U.S. Total	197,784	176,796	11.9%	25,240	19,853	144,618	129,529	2,501	2,269	25,424	25,145

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.15.A. Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	-17	-27	-36.1%	--	--	-17	-27	--	--	--	--
Connecticut	--	2	-100.0%	--	--	--	2	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-17	-29	-40.5%	--	--	-17	-29	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-55	-51	7.8%	-21	-18	-35	-33	--	--	--	--
New Jersey	-18	-14	25.7%	-18	-14	--	--	--	--	--	--
New York	-2	-4	-34.6%	-2	-4	--	--	--	--	--	--
Pennsylvania	-35	-33	4.9%	--	--	-35	-33	--	--	--	--
East North Central	-55	-53	4.3%	-55	-53	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-55	-53	4.3%	-55	-53	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	-6	-5	7.5%	-6	-5	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	-6	-5	7.5%	-6	-5	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-198	-237	-16.6%	-198	-237	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-53	-74	-27.8%	-53	-74	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-45	-56	-18.4%	-45	-56	--	--	--	--	--	--
Virginia	-99	-107	-7.8%	-99	-107	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	-3	-44	-92.1%	-3	-44	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-3	-44	-92.1%	-3	-44	--	--	--	--	--	--
West South Central	-11	-9	23.6%	-11	-9	--	--	--	--	--	--
Arkansas	*	2	-84.5%	*	2	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-12	-12	1.6%	-12	-12	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-18	-12	46.4%	-18	-12	--	--	--	--	--	--
Arizona	*	3	-89.1%	*	3	--	--	--	--	--	--
Colorado	-18	-15	17.4%	-18	-15	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	-27	-3	967.2%	-27	-3	--	--	--	--	--	--
California	-32	-2	NM	-32	-2	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	5	*	NM	5	*	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-390	-441	-11.4%	-338	-381	-52	-60	--	--	--	--

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.15.B. Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	-277	-409	-32.2%	--	--	-277	-409	--	--	--	--
Connecticut	1	5	-77.5%	--	--	1	5	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-278	-414	-32.8%	--	--	-278	-414	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-640	-621	3.0%	-248	-482	-392	-139	--	--	--	--
New Jersey	-154	-181	-15.2%	-154	-181	--	--	--	--	--	--
New York	-94	-301	-68.7%	-94	-301	--	--	--	--	--	--
Pennsylvania	-392	-139	181.9%	--	--	-392	-139	--	--	--	--
East North Central	-716	-889	-19.5%	-716	-889	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-716	-889	-19.5%	-716	-889	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	42	165	-74.5%	42	165	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	42	165	-74.5%	42	165	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-2,870	-2,875	-0.2%	-2,870	-2,875	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-769	-643	19.5%	-769	-643	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-819	-844	-2.9%	-819	-844	--	--	--	--	--	--
Virginia	-1,282	-1,388	-7.6%	-1,282	-1,388	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	-146	-600	-75.7%	-146	-600	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-146	-600	-75.7%	-146	-600	--	--	--	--	--	--
West South Central	-65	-113	-42.5%	-65	-113	--	--	--	--	--	--
Arkansas	41	31	33.2%	41	31	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-106	-143	-26.2%	-106	-143	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-142	-97	45.7%	-142	-97	--	--	--	--	--	--
Arizona	80	132	-39.0%	80	132	--	--	--	--	--	--
Colorado	-222	-229	-3.0%	-222	-229	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	705	31	NM	705	31	--	--	--	--	--	--
California	661	-22	NM	661	-22	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	44	52	-16.1%	44	52	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-4,108	-5,409	-24.0%	-3,439	-4,861	-669	-548	--	--	--	--

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.16.A. Net Generation from Other Energy Sources by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	175	163	7.5%	--	--	165	152	8	8	2	3
Connecticut	63	53	19.7%	--	--	63	53	--	--	NM	*
Maine	30	31	-3.7%	--	--	20	21	8	8	2	3
Massachusetts	76	73	3.8%	--	--	76	73	--	--	--	--
New Hampshire	6	6	2.4%	--	--	6	6	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	188	209	-10.1%	--	--	158	170	30	29	--	11
New Jersey	35	55	-37.5%	--	--	24	34	11	11	--	11
New York	76	78	-2.6%	--	--	67	68	9	10	--	--
Pennsylvania	77	75	2.4%	--	--	68	68	9	8	--	--
East North Central	88	88	0.8%	6	7	14	12	17	17	52	52
Illinois	22	26	-15.8%	--	--	--	--	--	--	22	26
Indiana	25	21	22.7%	--	--	--	--	NM	1	24	20
Michigan	33	34	-2.2%	2	4	14	12	15	16	2	3
Ohio	2	1	35.7%	--	--	--	--	--	--	2	1
Wisconsin	6	6	6.0%	4	4	--	--	NM	*	NM	3
West North Central	37	35	7.0%	19	15	13	14	NM	2	NM	4
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	33	31	5.9%	14	11	13	14	NM	2	NM	4
Missouri	1	*	126.7%	1	*	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	3	3	0.7%	3	3	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	344	388	-11.4%	--	--	178	184	16	14	150	189
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	250	270	-7.4%	--	--	119	123	--	--	131	146
Georgia	5	3	43.3%	--	--	--	--	--	--	5	3
Maryland	24	26	-6.9%	--	--	24	26	NM	*	--	--
North Carolina	10	44	-76.7%	--	--	10	10	--	--	--	35
South Carolina	14	5	174.3%	--	--	--	--	--	--	14	5
Virginia	41	40	3.1%	--	--	25	25	16	14	--	*
West Virginia	--	*	-100.0%	--	--	--	--	--	--	--	*
East South Central	NM	34	NM	1	--	--	--	--	--	NM	34
Alabama	--	33	-100.0%	--	--	--	--	--	--	--	33
Kentucky	1	--	--	1	--	--	--	--	--	--	--
Mississippi	NM	*	NM	--	--	--	--	--	--	NM	*
Tennessee	*	*	135.0%	--	--	--	--	--	--	*	*
West South Central	71	70	2.1%	--	--	--	--	--	--	71	70
Arkansas	2	4	-33.0%	--	--	--	--	--	--	2	4
Louisiana	33	38	-12.6%	--	--	--	--	--	--	33	38
Oklahoma	NM	*	NM	--	--	--	--	--	--	NM	*
Texas	35	28	24.0%	--	--	--	--	--	--	35	28
Mountain	58	70	-17.5%	3	4	35	33	--	--	19	34
Arizona	1	1	40.2%	--	--	1	1	--	--	--	--
Colorado	5	6	-12.2%	--	--	NM	1	--	--	4	4
Idaho	--	7	-100.0%	--	--	--	--	--	--	--	7
Montana	32	31	5.9%	--	--	32	31	--	--	--	--
Nevada	3	4	-5.0%	3	4	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	16	16	-2.0%	--	--	NM	*	--	--	16	16
Wyoming	--	6	-100.0%	--	--	--	--	--	--	--	6
Pacific Contiguous	74	97	-23.8%	--	--	29	27	--	*	44	70
California	58	78	-25.1%	--	--	19	17	--	*	39	61
Oregon	4	4	-12.7%	--	--	4	4	--	--	--	1
Washington	12	15	-20.2%	--	--	6	6	--	--	5	8
Pacific Noncontiguous	12	33	-63.8%	--	19	*	--	12	14	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	12	33	-63.8%	--	19	*	--	12	14	--	--
U.S. Total	1,049	1,187	-11.6%	28	45	593	593	85	84	343	465

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Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.16.B. Net Generation from Other Energy Sources
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	1,948	1,835	6.1%	--	--	1,833	1,714	86	77	29	44
Connecticut	709	640	10.8%	--	--	708	639	--	--	NM	1
Maine	351	356	-1.2%	--	--	238	235	86	77	28	43
Massachusetts	824	781	5.4%	--	--	824	781	--	--	--	--
New Hampshire	64	58	9.3%	--	--	64	58	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	2,187	2,222	-1.6%	--	--	1,857	1,797	331	314	--	111
New Jersey	491	585	-16.1%	--	--	357	349	134	125	--	111
New York	852	823	3.6%	--	--	753	726	99	97	--	--
Pennsylvania	844	815	3.6%	--	--	746	722	98	92	--	--
East North Central	985	1,006	-2.1%	118	123	148	150	191	153	527	579
Illinois	222	272	-18.3%	--	--	--	6	--	--	222	266
Indiana	323	342	-5.7%	57	71	--	--	17	18	249	253
Michigan	370	334	10.9%	25	23	148	144	174	136	23	31
Ohio	11	8	30.2%	--	--	--	--	--	--	11	8
Wisconsin	58	49	17.7%	36	29	--	--	NM	*	22	21
West North Central	372	392	-4.9%	207	196	107	137	23	22	36	37
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	316	331	-4.6%	150	136	107	137	23	21	36	37
Missouri	18	20	-12.8%	18	20	--	--	--	*	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	39	41	-3.7%	39	41	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	3,693	4,319	-14.5%	--	--	1,999	1,987	174	161	1,520	2,171
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,757	3,099	-11.0%	--	--	1,369	1,355	--	--	1,388	1,744
Georgia	46	25	85.1%	--	--	--	--	--	--	46	25
Maryland	268	273	-1.9%	--	--	267	272	NM	*	--	--
North Carolina	104	441	-76.4%	--	--	104	95	--	--	--	346
South Carolina	85	55	55.1%	--	--	--	--	--	--	85	55
Virginia	433	427	1.4%	--	--	259	265	174	161	--	1
West Virginia	--	*	-100.0%	--	--	--	--	--	--	--	*
East South Central	11	364	-97.0%	8	9	--	--	--	--	NM	355
Alabama	*	351	-100.0%	--	--	--	--	--	--	*	351
Kentucky	8	9	-10.8%	8	9	--	--	--	--	--	--
Mississippi	NM	3	NM	--	--	--	--	--	--	NM	3
Tennessee	*	1	-53.2%	--	--	--	--	--	--	*	1
West South Central	695	723	-3.8%	--	--	--	--	--	--	695	723
Arkansas	28	30	-7.5%	--	--	--	--	--	--	28	30
Louisiana	299	394	-24.2%	--	--	--	--	--	--	299	394
Oklahoma	7	1	453.5%	--	--	--	--	--	--	7	1
Texas	361	297	21.6%	--	--	--	--	--	--	361	297
Mountain	511	682	-25.1%	39	34	319	332	--	--	153	316
Arizona	24	15	64.4%	--	--	24	15	--	--	--	--
Colorado	58	57	1.2%	--	--	17	14	--	--	41	44
Idaho	--	70	-100.0%	--	--	--	--	--	--	--	70
Montana	274	299	-8.5%	--	--	274	299	--	--	--	--
Nevada	39	34	13.2%	39	34	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	116	151	-23.1%	--	--	4	4	--	--	112	146
Wyoming	--	55	-100.0%	--	--	--	--	--	--	--	55
Pacific Contiguous	830	1,025	-19.0%	--	--	314	303	--	*	515	721
California	643	833	-22.7%	--	--	200	201	--	*	444	632
Oregon	42	47	-10.1%	--	--	42	39	--	--	--	8
Washington	145	145	-0.5%	--	--	73	64	--	--	72	82
Pacific Noncontiguous	133	333	-60.0%	--	192	*	--	133	141	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	133	333	-60.0%	--	192	*	--	133	141	--	--
U.S. Total	11,364	12,900	-11.9%	371	554	6,577	6,420	938	869	3,478	5,057

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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 1.17.A. Net Generation from Wind
by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	96	115	-15.9%	12	9	84	104	NM	NM	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	58	85	-31.1%	--	--	58	85	--	--	--	--
Massachusetts	NM	11	NM	NM	8	NM	1	NM	NM	--	--
New Hampshire	19	9	121.5%	--	--	19	9	--	--	--	--
Rhode Island	NM	*	NM	--	--	NM	*	--	--	--	--
Vermont	14	11	25.9%	8	1	6	10	--	--	--	--
Middle Atlantic	446	526	-15.3%	--	--	445	526	--	--	NM	--
New Jersey	NM	1	NM	--	--	NM	1	--	--	--	--
New York	244	330	-26.3%	--	--	243	330	--	--	NM	--
Pennsylvania	202	195	3.6%	--	--	202	195	--	--	--	--
East North Central	1,113	1,597	-30.3%	107	69	1,005	1,527	NM	*	NM	1
Illinois	571	908	-37.1%	NM	2	570	906	--	--	--	--
Indiana	234	432	-45.7%	--	--	234	432	NM	*	--	--
Michigan	100	73	36.2%	21	2	79	72	--	--	--	--
Ohio	72	50	44.6%	NM	2	70	47	--	--	NM	1
Wisconsin	136	134	1.2%	83	64	53	70	--	--	--	--
West North Central	3,650	3,529	3.4%	1,200	1,040	2,448	2,486	NM	4	--	--
Iowa	1,398	1,257	11.2%	798	587	600	669	NM	*	--	--
Kansas	631	386	63.6%	44	99	587	287	--	--	--	--
Minnesota	705	807	-12.6%	181	160	522	644	NM	3	--	--
Missouri	116	139	-16.7%	--	--	116	139	--	--	--	--
Nebraska	119	124	-4.4%	19	22	100	102	--	--	--	--
North Dakota	418	541	-22.7%	102	117	317	424	--	--	--	--
South Dakota	262	275	-5.0%	55	54	207	221	--	--	--	--
South Atlantic	131	163	-20.0%	--	--	130	163	NM	1	--	--
Delaware	NM	1	NM	--	--	--	--	NM	1	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	30	39	-21.6%	--	--	30	39	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	100	124	-19.4%	--	--	100	124	--	--	--	--
East South Central	3	8	-58.0%	--	--	3	8	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	3	8	-58.0%	--	--	3	8	--	--	--	--
West South Central	3,470	3,458	0.3%	183	92	3,287	3,366	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	823	626	31.6%	157	53	666	572	--	--	--	--
Texas	2,647	2,832	-6.5%	26	39	2,621	2,794	--	--	--	--
Mountain	1,502	1,639	-8.4%	256	253	1,246	1,385	NM	1	NM	*
Arizona	12	26	-53.3%	--	--	12	26	--	--	--	--
Colorado	474	551	-13.9%	5	8	469	541	--	1	NM	*
Idaho	158	143	11.1%	15	--	143	143	--	--	--	--
Montana	123	138	-11.1%	NM	11	115	128	--	--	--	--
Nevada	26	--	--	--	--	26	--	--	--	--	--
New Mexico	182	206	-11.5%	--	--	182	205	NM	*	--	--
Utah	55	65	-15.7%	--	--	55	65	--	--	--	--
Wyoming	471	511	-7.8%	227	234	243	276	--	--	--	--
Pacific Contiguous	1,067	1,355	-21.2%	269	348	799	1,007	--	--	--	--
California	428	428	-0.2%	19	29	409	399	--	--	--	--
Oregon	254	427	-40.6%	38	95	216	332	--	--	--	--
Washington	386	499	-22.7%	212	223	173	276	--	--	--	--
Pacific Noncontiguous	35	48	-27.2%	NM	2	34	46	--	--	--	--
Alaska	NM	2	NM	NM	2	--	--	--	--	--	--
Hawaii	34	46	-26.7%	--	--	34	46	--	--	--	--
U.S. Total	11,513	12,439	-7.4%	2,027	1,813	9,481	10,618	NM	6	NM	1

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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 November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	1,183	771	53.5%	74	47	1,099	716	10	8	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	783	634	23.4%	--	--	783	634	--	--	--	--
Massachusetts	73	53	37.8%	53	37	9	7	10	8	--	--
New Hampshire	231	59	291.5%	--	--	231	59	--	--	--	--
Rhode Island	NM	3	NM	--	--	NM	3	--	--	--	--
Vermont	94	23	315.1%	20	10	74	13	--	--	--	--
Middle Atlantic	4,623	4,141	11.6%	--	--	4,615	4,141	--	--	NM	--
New Jersey	12	9	23.3%	--	--	12	9	--	--	--	--
New York	2,679	2,524	6.1%	--	--	2,671	2,524	--	--	NM	--
Pennsylvania	1,932	1,607	20.2%	--	--	1,932	1,607	--	--	--	--
East North Central	12,819	10,121	26.6%	1,135	531	11,670	9,588	NM	1	12	1
Illinois	6,772	5,541	22.2%	13	10	6,759	5,531	--	--	--	--
Indiana	2,806	2,990	-6.2%	--	--	2,804	2,989	NM	1	--	--
Michigan	943	395	139.1%	248	2	695	393	--	--	--	--
Ohio	876	136	543.1%	14	13	850	122	--	--	12	1
Wisconsin	1,421	1,059	34.2%	859	507	562	553	--	--	--	--
West North Central	33,871	28,039	20.8%	10,962	8,333	22,884	19,682	25	23	--	--
Iowa	12,619	9,542	32.2%	6,716	4,516	5,900	5,022	NM	3	--	--
Kansas	4,454	3,396	31.1%	795	931	3,659	2,465	--	--	--	--
Minnesota	6,904	5,992	15.2%	1,480	1,234	5,403	4,739	22	20	--	--
Missouri	1,136	1,081	5.1%	--	--	1,136	1,081	--	--	--	--
Nebraska	1,134	929	22.1%	184	205	951	724	--	--	--	--
North Dakota	4,925	4,688	5.1%	1,170	995	3,755	3,694	--	--	--	--
South Dakota	2,699	2,411	12.0%	618	453	2,081	1,958	--	--	--	--
South Atlantic	1,434	1,209	18.6%	--	--	1,430	1,205	NM	4	--	--
Delaware	NM	4	NM	--	--	--	--	NM	4	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	277	234	18.3%	--	--	277	234	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	1,153	971	18.7%	--	--	1,153	971	--	--	--	--
East South Central	41	47	-13.2%	--	--	41	47	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	41	47	-13.2%	--	--	41	47	--	--	--	--
West South Central	35,914	33,164	8.3%	1,727	718	34,186	32,445	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	7,211	5,123	40.8%	1,437	618	5,774	4,505	--	--	--	--
Texas	28,703	28,041	2.4%	290	100	28,413	27,941	--	--	--	--
Mountain	14,928	13,820	8.0%	1,898	2,056	13,015	11,754	12	8	NM	3
Arizona	231	246	-6.0%	--	--	231	246	--	--	--	--
Colorado	5,421	4,644	16.7%	60	66	5,349	4,571	9	5	NM	3
Idaho	1,577	1,199	31.6%	35	--	1,543	1,199	--	--	--	--
Montana	1,076	1,101	-2.3%	86	86	990	1,015	--	--	--	--
Nevada	88	--	--	--	--	88	--	--	--	--	--
New Mexico	1,993	1,952	2.1%	--	--	1,989	1,949	NM	3	--	--
Utah	633	542	16.7%	--	--	633	542	--	--	--	--
Wyoming	3,909	4,136	-5.5%	1,717	1,904	2,192	2,232	--	--	--	--
Pacific Contiguous	20,756	17,902	15.9%	4,834	3,784	15,921	14,117	--	--	--	--
California	9,193	7,426	23.8%	552	488	8,641	6,938	--	--	--	--
Oregon	5,527	4,555	21.4%	1,228	675	4,299	3,879	--	--	--	--
Washington	6,035	5,921	1.9%	3,054	2,621	2,981	3,300	--	--	--	--
Pacific Noncontiguous	346	307	12.6%	13	11	333	296	--	--	--	--
Alaska	13	11	21.2%	13	11	--	--	--	--	--	--
Hawaii	333	296	12.3%	--	--	333	296	--	--	--	--
U.S. Total	125,914	109,521	15.0%	20,644	15,481	105,193	93,991	54	45	23	4

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.18.A. Net Generation from Biomass
by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	663	598	10.8%	62	37	402	373	NM	8	190	180
Connecticut	NM	58	NM	--	--	NM	58	--	--	--	--
Maine	349	328	6.4%	--	--	150	141	9	8	190	180
Massachusetts	102	95	6.4%	--	--	102	95	--	*	--	--
New Hampshire	103	80	29.1%	34	17	69	63	--	--	--	*
Rhode Island	10	11	-9.0%	--	--	10	11	--	--	--	--
Vermont	43	26	67.5%	27	19	16	6	NM	*	--	--
Middle Atlantic	437	422	3.5%	--	--	329	338	43	39	NM	45
New Jersey	67	67	-0.3%	--	--	46	48	21	19	--	--
New York	167	173	-3.3%	--	--	137	144	11	11	20	18
Pennsylvania	203	182	11.4%	--	--	147	146	11	10	NM	27
East North Central	492	506	-2.9%	47	47	282	288	NM	20	143	152
Illinois	54	51	4.9%	--	--	54	51	--	*	--	--
Indiana	28	32	-11.1%	24	28	--	--	NM	2	NM	2
Michigan	209	215	-3.0%	NM	*	140	141	NM	17	NM	58
Ohio	55	68	-20.0%	--	--	NM	33	--	--	NM	35
Wisconsin	146	140	4.6%	22	19	64	63	NM	1	NM	57
West North Central	174	150	15.7%	40	34	83	71	5	3	47	42
Iowa	13	8	64.5%	2	2	7	4	NM	2	1	*
Kansas	5	4	10.9%	--	--	5	4	--	--	--	--
Minnesota	145	127	14.0%	31	25	69	61	NM	1	NM	41
Missouri	5	5	-4.0%	3	3	NM	2	--	--	NM	*
Nebraska	5	5	11.1%	4	4	--	--	NM	1	--	--
North Dakota	NM	1	NM	--	--	--	--	--	--	NM	1
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	1,251	1,232	1.5%	82	35	362	378	NM	24	777	795
Delaware	7	12	-43.8%	--	--	7	12	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	346	400	-13.6%	8	8	182	200	NM	4	152	188
Georgia	286	264	8.5%	--	--	14	12	NM	1	270	251
Maryland	47	47	-0.1%	--	*	28	30	NM	5	13	12
North Carolina	197	187	5.0%	*	--	80	71	--	--	116	116
South Carolina	160	166	-3.9%	35	16	NM	2	--	--	122	148
Virginia	209	156	34.4%	38	10	50	50	19	15	103	81
West Virginia	--	1	-100.0%	--	--	--	1	--	--	--	--
East South Central	518	483	7.3%	8	6	NM	17	--	--	496	460
Alabama	NM	224	NM	NM	*	12	15	--	--	NM	209
Kentucky	29	41	-29.0%	8	6	--	--	--	--	21	35
Mississippi	NM	131	NM	*	*	--	--	--	--	NM	131
Tennessee	86	87	-1.1%	--	--	NM	2	--	--	85	85
West South Central	505	550	-8.3%	--	--	54	85	NM	5	447	460
Arkansas	146	144	0.9%	--	--	7	9	NM	1	139	135
Louisiana	203	212	-4.0%	--	--	6	7	--	--	197	205
Oklahoma	25	31	-19.3%	--	--	--	--	--	--	25	31
Texas	130	163	-19.9%	--	--	41	70	NM	4	86	89
Mountain	68	75	-9.4%	NM	2	33	35	NM	*	NM	38
Arizona	15	17	-10.6%	NM	2	NM	14	NM	*	--	--
Colorado	NM	5	NM	NM	--	5	5	--	--	--	--
Idaho	42	47	-11.0%	--	--	9	9	--	--	NM	38
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	NM	1	NM	--	--	NM	1	--	--	--	--
Utah	5	5	-4.3%	--	--	5	5	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	718	734	-2.2%	51	71	390	385	96	83	181	195
California	531	514	3.4%	17	21	360	354	93	81	61	58
Oregon	62	59	4.0%	6	6	22	24	NM	2	31	28
Washington	125	161	-22.1%	29	44	7	8	--	--	89	109
Pacific Noncontiguous	23	21	14.1%	1	1	--	--	12	15	10	5
Alaska	NM	*	NM	--	--	--	--	--	--	NM	*
Hawaii	23	20	14.1%	1	1	--	--	12	15	10	5
U.S. Total	4,849	4,772	1.6%	293	232	1,948	1,971	NM	197	2,389	2,373

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Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.18.B. Net Generation from Biomass
by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	6,755	6,495	4.0%	502	466	4,249	4,132	NM	86	1,902	1,811
Connecticut	NM	599	NM	--	--	NM	599	--	--	--	--
Maine	3,535	3,445	2.6%	--	--	1,534	1,553	NM	81	1,902	1,811
Massachusetts	1,101	1,035	6.4%	--	--	1,100	1,031	NM	3	--	--
New Hampshire	1,019	936	8.9%	314	261	705	675	--	--	NM	*
Rhode Island	115	116	-0.5%	--	--	115	116	--	--	--	--
Vermont	350	365	-4.1%	188	205	161	159	NM	2	--	--
Middle Atlantic	4,953	4,747	4.3%	--	--	3,816	3,692	465	426	NM	629
New Jersey	840	794	5.8%	--	--	602	580	238	214	--	--
New York	1,912	1,872	2.1%	--	--	1,581	1,566	111	101	220	205
Pennsylvania	2,201	2,081	5.8%	--	--	1,633	1,547	116	110	NM	424
East North Central	5,326	5,273	1.0%	517	486	3,063	3,054	224	178	1,522	1,555
Illinois	610	586	4.1%	--	--	610	586	NM	*	--	1
Indiana	317	308	2.9%	279	271	--	--	19	18	19	19
Michigan	2,239	2,293	-2.4%	NM	2	1,476	1,520	192	147	569	624
Ohio	625	650	-3.9%	--	--	287	305	--	--	338	346
Wisconsin	1,535	1,435	6.9%	237	213	690	643	NM	13	596	565
West North Central	1,897	1,856	2.2%	436	436	933	868	48	47	480	504
Iowa	148	149	-0.4%	26	25	82	81	28	28	11	15
Kansas	55	54	3.4%	--	--	55	54	--	--	--	--
Minnesota	1,569	1,527	2.8%	330	332	774	713	8	6	458	477
Missouri	NM	57	NM	32	33	21	21	--	--	NM	4
Nebraska	61	60	2.1%	49	47	--	--	13	13	--	--
North Dakota	7	9	-23.9%	--	--	--	--	--	--	7	9
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	13,806	13,709	0.7%	849	845	4,152	4,171	306	274	8,499	8,419
Delaware	102	133	-23.6%	--	--	102	133	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,073	4,136	-1.5%	78	81	2,092	2,136	36	35	1,866	1,885
Georgia	3,053	2,892	5.5%	--	*	147	152	23	22	2,883	2,718
Maryland	491	498	-1.5%	NM	*	308	312	59	50	124	137
North Carolina	2,151	2,117	1.6%	*	8	934	880	--	--	1,216	1,230
South Carolina	1,885	1,925	-2.1%	445	368	20	20	--	--	1,420	1,538
Virginia	2,052	1,998	2.7%	324	388	549	530	188	167	991	913
West Virginia	*	8	-100.0%	*	*	--	8	--	--	--	--
East South Central	5,509	5,238	5.2%	91	91	194	237	--	--	5,224	4,910
Alabama	2,978	2,581	15.4%	NM	1	174	211	--	--	2,803	2,368
Kentucky	299	395	-24.3%	90	89	--	--	--	--	209	306
Mississippi	1,310	1,383	-5.2%	*	*	--	--	--	--	1,310	1,382
Tennessee	921	879	4.8%	--	--	20	26	--	--	901	853
West South Central	5,400	5,500	-1.8%	--	--	746	619	39	39	4,615	4,843
Arkansas	1,530	1,525	0.3%	--	--	78	72	5	5	1,447	1,449
Louisiana	2,042	2,222	-8.1%	--	--	70	64	--	--	1,972	2,158
Oklahoma	271	284	-4.7%	--	--	--	--	--	--	271	284
Texas	1,557	1,469	6.0%	--	--	598	483	34	34	925	951
Mountain	773	765	1.0%	NM	22	379	359	4	4	367	380
Arizona	186	176	5.8%	22	22	160	150	4	4	--	--
Colorado	NM	56	NM	NM	*	59	56	--	--	--	--
Idaho	464	472	-1.5%	--	--	97	92	--	--	367	380
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	9	9	1.2%	--	--	9	9	--	--	--	--
Utah	54	53	2.3%	--	--	54	53	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	7,770	7,703	0.9%	541	755	4,228	4,036	1,000	943	2,001	1,969
California	5,753	5,474	5.1%	222	226	3,902	3,723	976	921	652	604
Oregon	631	652	-3.2%	65	62	241	238	24	21	301	331
Washington	1,385	1,577	-12.1%	254	468	84	75	--	--	1,048	1,034
Pacific Noncontiguous	265	300	-11.6%	21	38	--	--	139	147	106	116
Alaska	NM	3	NM	--	--	--	--	--	--	NM	3
Hawaii	263	297	-11.6%	21	38	--	--	139	147	104	112
U.S. Total	52,453	51,586	1.7%	2,978	3,139	21,760	21,169	2,328	2,143	25,388	25,135

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Table 1.19.A. Net Generation from Geothermal by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--	--	--
East North Central	--	--	--	--	--	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	--	--	--	--	--	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	281	215	30.3%	24	25	256	190	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	7	5	29.1%	--	--	7	5	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	243	180	34.9%	--	--	243	180	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	30	29	2.5%	24	25	6	5	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	1,124	1,038	8.3%	72	73	1,052	965	--	--	--	--
California	1,116	1,038	7.5%	72	73	1,043	965	--	--	--	--
Oregon	NM	--	--	--	--	NM	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	24	18	37.7%	--	--	24	18	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	24	18	37.7%	--	--	24	18	--	--	--	--
U.S. Total	1,429	1,271	12.4%	97	98	1,333	1,173	--	--	--	--

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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Table 1.19.B. Net Generation from Geothermal by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--	--	--
East North Central	--	--	--	--	--	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	--	--	--	--	--	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	2,892	2,314	24.9%	244	253	2,648	2,061	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	76	58	30.8%	--	--	76	58	--	--	--	--
Montana	43	--	--	--	--	43	--	--	--	--	--
Nevada	2,464	1,956	26.0%	--	--	2,464	1,956	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	309	300	2.7%	244	253	65	47	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	12,200	11,473	6.3%	800	783	11,400	10,689	--	--	--	--
California	12,192	11,473	6.3%	800	783	11,392	10,689	--	--	--	--
Oregon	NM	--	--	--	--	NM	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	240	205	17.5%	--	--	240	205	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	240	205	17.5%	--	--	240	205	--	--	--	--
U.S. Total	15,332	13,992	9.6%	1,044	1,036	14,288	12,955	--	--	--	--

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.A. Net Generation from Solar by State, by Sector, November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	NM	*	NM	NM	*	NM	*	NM	*	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	NM	*	NM	NM	*	NM	--	NM	*	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	NM	*	NM	--	--	NM	*	--	--	--	--
Middle Atlantic	31	10	209.2%	NM	1	25	8	NM	*	NM	*
New Jersey	23	4	443.0%	NM	1	19	3	NM	*	NM	--
New York	4	3	2.3%	--	--	3	3	NM	--	--	--
Pennsylvania	NM	2	NM	--	--	NM	2	--	*	NM	*
East North Central	NM	1	NM	NM	*	NM	1	NM	--	--	--
Illinois	NM	1	NM	--	--	NM	1	--	--	--	--
Indiana	NM	--	--	--	--	NM	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	NM	1	NM	NM	*	NM	1	NM	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	19	13	48.5%	9	8	9	5	NM	--	--	--
Delaware	NM	1	NM	NM	*	NM	1	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	12	10	27.7%	9	8	NM	2	NM	--	--	--
Georgia	NM	--	--	--	--	--	--	NM	--	--	--
Maryland	NM	*	NM	NM	*	NM	*	NM	--	--	--
North Carolina	NM	1	NM	NM	*	NM	1	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	10	1	727.1%	--	--	10	1	NM	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	10	1	727.1%	--	--	10	1	NM	--	--	--
Mountain	163	52	212.0%	NM	13	152	37	NM	3	NM	*
Arizona	88	17	415.5%	NM	13	79	4	NM	*	--	--
Colorado	11	6	87.7%	--	--	10	5	NM	1	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	42	14	196.2%	--	--	40	13	NM	2	NM	*
New Mexico	22	15	46.4%	--	--	22	15	--	--	--	--
Utah	NM	--	--	--	--	NM	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	82	29	178.8%	18	3	60	25	NM	1	NM	--
California	80	29	174.1%	18	3	58	25	NM	1	NM	--
Oregon	NM	*	NM	NM	--	NM	*	--	--	--	--
Washington	*	*	-37.2%	*	*	--	--	--	--	--	--
Pacific Noncontiguous	NM	*	NM	--	--	NM	*	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	*	NM	--	--	NM	*	--	--	--	--
U.S. Total	314	107	192.8%	40	25	265	78	9	4	NM	*

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.B. Net Generation from Solar by State, by Sector, Year-to-Date through November 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	33	6	447.9%	13	4	20	2	NM	1	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	28	4	553.8%	13	4	15	--	NM	1	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	NM	2	NM	--	--	NM	2	--	--	--	--
Middle Atlantic	424	88	382.4%	51	18	341	56	22	8	10	5
New Jersey	334	63	427.6%	51	18	261	37	20	8	NM	--
New York	53	3	NM	--	--	51	3	NM	--	--	--
Pennsylvania	38	21	77.7%	--	--	30	16	NM	*	NM	5
East North Central	71	28	149.0%	NM	1	69	27	NM	--	--	--
Illinois	34	14	154.0%	--	--	34	14	--	--	--	--
Indiana	NM	--	--	--	--	NM	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	36	15	142.5%	NM	1	35	14	NM	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	304	145	108.7%	157	98	141	47	NM	--	--	--
Delaware	28	7	273.6%	NM	*	25	7	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	210	119	76.4%	151	95	59	24	NM	--	--	--
Georgia	NM	--	--	--	--	--	--	NM	--	--	--
Maryland	26	3	918.5%	NM	*	21	2	NM	--	--	--
North Carolina	37	16	126.7%	NM	2	36	14	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	130	28	372.4%	--	--	130	28	NM	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	130	28	372.4%	--	--	130	28	NM	--	--	--
Mountain	1,753	537	226.5%	130	32	1,573	460	48	44	NM	1
Arizona	821	52	NM	130	32	687	19	NM	2	--	--
Colorado	161	97	65.6%	--	--	150	85	11	12	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	449	279	60.8%	--	--	415	247	33	31	NM	1
New Mexico	320	109	194.5%	--	--	320	109	--	--	--	--
Utah	NM	--	--	--	--	NM	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	1,366	861	58.6%	222	44	1,100	790	43	27	NM	--
California	1,354	860	57.4%	217	44	1,092	790	43	27	NM	--
Oregon	NM	*	NM	NM	--	NM	*	--	--	--	--
Washington	1	1	-3.3%	1	1	--	--	--	--	--	--
Pacific Noncontiguous	NM	3	NM	--	--	NM	3	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	3	NM	--	--	NM	3	--	--	--	--
U.S. Total	4,084	1,697	140.7%	575	198	3,377	1,413	120	80	13	6

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2002-November 2012 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	987,583	767,803	207,448	477	11,855
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
2010					
January	90,767	67,211	22,869	32	654
February	80,209	59,279	20,258	28	643
March	76,544	56,252	19,520	26	746
April	67,037	49,997	16,562	23	456
May	76,061	56,847	18,464	23	727
June	87,395	64,891	21,833	27	643
July	94,993	69,933	24,261	30	769
August	94,786	69,860	24,061	29	835
Sept	79,573	58,199	20,682	26	666
October	70,918	51,353	18,851	23	690
November	72,756	52,962	19,244	21	529
December	88,645	64,645	23,208	26	765
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
Year to Date					
2010	891,039	656,786	226,605	288	7,360
2011	861,329	635,170	220,623	322	5,214
2012	753,556	561,945	186,682	282	4,647
Rolling 12 Months Ending in November					
2011	949,974	699,816	243,831	348	5,979
2012	827,166	616,091	205,600	307	5,168

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 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; coal synfuel 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, 2002-November 2012 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	17,561	--	2,255	929	14,377
2003	17,720	--	2,080	1,234	14,406
2004	24,275	--	3,809	1,540	18,926
2005	23,833	--	3,918	1,544	18,371
2006	23,227	--	3,834	1,539	17,854
2007	22,810	--	3,795	1,566	17,449
2008	22,168	--	3,689	1,652	16,827
2009	20,507	--	3,935	1,481	15,091
2010	21,727	--	3,808	1,406	16,513
2011	21,532	--	3,628	1,321	16,584
2010					
January	1,972	--	371	160	1,440
February	1,820	--	347	139	1,334
March	1,839	--	338	123	1,378
April	2,142	--	284	95	1,764
May	1,664	--	285	95	1,283
June	1,668	--	306	108	1,255
July	1,790	--	325	112	1,354
August	1,807	--	326	123	1,359
Sept	1,677	--	296	107	1,275
October	1,653	--	287	98	1,267
November	1,740	--	308	107	1,325
December	1,955	--	336	139	1,481
2011					
January	2,084	--	340	149	1,595
February	1,833	--	307	135	1,391
March	1,869	--	310	127	1,431
April	1,713	--	287	98	1,327
May	1,776	--	328	99	1,349
June	1,726	--	287	103	1,336
July	1,824	--	313	113	1,397
August	1,807	--	305	101	1,400
Sept	1,689	--	283	96	1,309
October	1,712	--	294	89	1,329
November	1,689	--	277	96	1,315
December	1,812	--	296	113	1,403
2012					
January	1,948	--	338	133	1,477
February	1,699	--	269	114	1,315
March	1,699	--	290	109	1,299
April	1,514	--	247	92	1,175
May	1,701	--	299	97	1,304
June	1,594	--	286	88	1,221
July	1,652	--	291	89	1,272
August	1,734	--	299	98	1,337
Sept	1,560	--	273	92	1,195
October	1,731	--	278	95	1,358
November	1,683	--	248	109	1,327
Year to Date					
2010	19,772	--	3,472	1,267	15,033
2011	19,720	--	3,331	1,207	15,181
2012	18,515	--	3,119	1,116	14,281
Rolling 12 Months Ending in November					
2011	21,675	--	3,667	1,346	16,662
2012	20,328	--	3,415	1,229	15,683

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 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; coal synfuel 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, 2002-November 2012 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	1,005,144	767,803	209,703	1,405	26,232
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
2010					
January	92,738	67,211	23,240	193	2,094
February	82,029	59,279	20,605	167	1,978
March	78,383	56,252	19,858	149	2,124
April	69,179	49,997	16,845	117	2,220
May	77,725	56,847	18,750	118	2,010
June	89,063	64,891	22,139	135	1,898
July	96,783	69,933	24,586	142	2,122
August	96,593	69,860	24,387	152	2,194
Sept	81,250	58,199	20,977	133	1,941
October	72,571	51,353	19,139	121	1,958
November	74,496	52,962	19,552	128	1,854
December	90,600	64,645	23,544	165	2,246
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
Year to Date					
2010	910,811	656,786	230,077	1,555	22,392
2011	881,048	635,170	223,955	1,529	20,395
2012	772,072	561,945	189,802	1,397	18,928
Rolling 12 Months Ending in November					
2011	971,648	699,816	247,498	1,693	22,641
2012	847,493	616,091	209,015	1,536	20,851

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 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; coal synfuel 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, 2002-November 2012 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	134,415	88,595	39,035	826	5,959
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
2010					
January	5,587	4,381	1,083	17	106
February	2,156	1,599	454	15	88
March	2,178	1,775	325	11	66
April	2,013	1,633	306	10	63
May	3,168	2,593	496	14	65
June	4,485	3,667	750	13	55
July	5,228	3,545	1,589	26	68
August	4,245	3,232	944	15	54
Sept	2,844	2,154	622	13	56
October	2,029	1,581	369	10	69
November	2,001	1,487	436	5	73
December	4,170	3,161	903	14	91
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	7	48
April	1,729	1,423	230	10	66
May	1,912	1,468	384	9	52
June	2,375	1,776	529	15	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
Year to Date					
2010	35,933	27,645	7,374	150	763
2011	25,374	19,305	5,290	125	654
2012	20,894	16,449	3,745	120	580
Rolling 12 Months Ending in November					
2011	29,544	22,466	6,193	139	745
2012	22,846	17,988	4,088	128	642

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 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, 2002-November 2012 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	12,228	--	286	384	11,558
2003	14,124	--	1,197	512	12,414
2004	20,654	--	1,501	1,203	17,951
2005	20,494	--	1,392	1,004	18,097
2006	14,077	--	1,153	559	12,365
2007	13,462	--	1,303	441	11,718
2008	7,533	--	1,311	461	5,762
2009	8,128	--	1,301	293	6,534
2010	4,866	--	1,086	212	3,567
2011	3,826	--	1,004	168	2,654
2010					
January	606	--	105	31	470
February	504	--	78	26	401
March	335	--	46	7	281
April	355	--	86	9	260
May	340	--	93	14	232
June	304	--	89	13	202
July	392	--	90	34	268
August	337	--	91	26	220
Sept	313	--	88	9	215
October	398	--	95	5	298
November	431	--	128	8	296
December	552	--	97	31	424
2011					
January	538	--	94	69	375
February	370	--	72	26	272
March	333	--	75	9	249
April	287	--	83	3	201
May	287	--	82	7	198
June	286	--	82	4	200
July	272	--	87	8	176
August	284	--	92	8	184
Sept	280	--	89	11	180
October	311	--	87	5	219
November	293	--	83	14	195
December	286	--	76	3	207
2012					
January	278	--	95	11	172
February	203	--	64	7	132
March	216	--	53	9	154
April	225	--	65	6	154
May	223	--	85	8	129
June	259	--	89	13	157
July	232	--	81	15	137
August	217	--	82	9	126
Sept	195	--	79	7	109
October	245	--	87	8	149
November	208	--	84	8	115
Year to Date					
2010	4,314	--	989	181	3,144
2011	3,540	--	928	164	2,447
2012	2,501	--	864	102	1,534
Rolling 12 Months Ending in November					
2011	4,092	--	1,025	196	2,871
2012	2,787	--	940	106	1,741

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 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, 2002-November 2012 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	146,643	88,595	39,320	1,210	17,517
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
2010					
January	6,193	4,381	1,188	48	576
February	2,660	1,599	532	41	489
March	2,512	1,775	371	18	348
April	2,367	1,633	392	19	323
May	3,507	2,593	589	28	297
June	4,789	3,667	839	26	257
July	5,620	3,545	1,679	59	336
August	4,582	3,232	1,035	40	274
Sept	3,157	2,154	711	22	271
October	2,427	1,581	463	15	367
November	2,433	1,487	564	13	369
December	4,722	3,161	1,000	46	515
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	16	202
April	1,954	1,423	295	16	220
May	2,135	1,468	468	17	181
June	2,634	1,776	618	29	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
Year to Date					
2010	40,247	27,645	8,364	331	3,907
2011	28,914	19,305	6,218	289	3,101
2012	23,395	16,449	4,609	223	2,114
Rolling 12 Months Ending in November					
2011	33,636	22,466	7,218	335	3,616
2012	25,633	17,988	5,028	234	2,383

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 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, 2002-November 2012 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	6,836	2,125	3,580	2	1,130
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
2010					
January	433	283	121	*	29
February	404	258	120	*	25
March	438	308	108	*	23
April	382	253	107	*	22
May	415	261	129	--	25
June	493	319	144	--	30
July	524	340	155	--	29
August	423	286	106	*	31
Sept	394	296	75	*	23
October	362	245	92	*	25
November	317	201	89	*	27
December	408	274	108	*	25
2011					
January	552	400	124	*	28
February	431	295	114	*	22
March	517	344	151	*	22
April	336	218	94	--	24
May	357	232	101	--	24
June	432	302	107	--	22
July	510	359	131	--	19
August	464	330	110	--	24
Sept	454	333	95	--	26
October	338	229	83	--	25
November	257	155	77	*	25
December	365	252	88	*	25
2012					
January	465	297	85	*	83
February	354	230	76	*	48
March	234	107	77	*	50
April	202	120	33	*	50
May	245	150	46	--	49
June	265	169	46	--	50
July	291	182	55	*	54
August	319	170	77	*	73
Sept	313	188	60	*	66
October	266	156	57	*	53
November	298	175	48	*	75
Year to Date					
2010	4,586	3,051	1,245	1	288
2011	4,647	3,197	1,189	1	261
2012	3,253	1,942	659	1	650
Rolling 12 Months Ending in November					
2011	5,056	3,472	1,297	1	286
2012	3,617	2,194	747	1	675

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 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, 2002-November 2012 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	517	--	111	6	399
2003	763	--	80	9	675
2004	1,043	--	237	8	798
2005	783	--	206	8	568
2006	1,259	--	195	9	1,055
2007	1,262	--	162	11	1,090
2008	897	--	119	9	769
2009	1,007	--	126	8	873
2010	1,059	--	98	11	950
2011	1,080	--	112	6	962
2010					
January	92	--	10	1	81
February	93	--	10	1	82
March	84	--	12	1	71
April	76	--	9	1	66
May	84	--	10	--	75
June	93	--	8	--	86
July	89	--	8	--	80
August	87	--	2	1	84
Sept	82	--	2	1	79
October	91	--	9	1	81
November	97	--	11	1	84
December	91	--	9	2	81
2011					
January	93	--	5	1	86
February	90	--	9	1	81
March	85	--	11	1	73
April	92	--	9	--	83
May	95	--	11	--	84
June	89	--	9	--	80
July	89	--	11	--	79
August	81	--	11	--	70
Sept	90	--	10	--	80
October	91	--	7	--	84
November	88	--	9	1	79
December	95	--	10	1	84
2012					
January	96	--	11	1	83
February	95	--	11	1	83
March	126	--	10	1	114
April	114	--	9	*	105
May	110	--	11	--	99
June	100	--	6	--	94
July	94	--	9	1	84
August	93	--	9	1	82
Sept	93	--	9	1	82
October	113	--	9	1	103
November	107	--	9	1	97
Year to Date					
2010	968	--	90	9	869
2011	984	--	101	4	879
2012	1,140	--	103	10	1,028
Rolling 12 Months Ending in November					
2011	1,075	--	110	6	959
2012	1,236	--	113	11	1,111

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 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, 2002-November 2012 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	7,353	2,125	3,691	8	1,529
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
2010					
January	525	283	130	1	110
February	497	258	131	1	106
March	522	308	119	1	94
April	458	253	116	1	88
May	500	261	139	--	100
June	586	319	151	--	116
July	613	340	163	--	109
August	510	286	108	1	115
Sept	475	296	76	1	102
October	453	245	101	1	106
November	414	201	100	2	111
December	499	274	117	2	106
2011					
January	645	400	129	1	114
February	521	295	122	1	102
March	603	344	162	1	95
April	428	218	103	--	107
May	452	232	112	--	108
June	521	302	117	--	102
July	599	359	142	--	98
August	545	330	121	--	94
Sept	545	333	105	--	106
October	429	229	90	--	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	*	155
May	355	150	57	--	148
June	365	169	51	--	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
Year to Date					
2010	5,553	3,051	1,335	10	1,158
2011	5,632	3,197	1,290	5	1,139
2012	4,393	1,942	762	11	1,678
Rolling 12 Months Ending in November					
2011	6,131	3,472	1,407	7	1,245
2012	4,853	2,194	860	13	1,786

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 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, 2002-November 2012 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	6,126,062	2,259,684	3,148,595	32,545	685,239
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
2010					
January	570,204	244,970	274,050	3,162	48,023
February	501,790	211,934	244,016	2,894	42,945
March	478,851	207,974	223,630	2,972	44,275
April	493,588	210,270	238,616	2,709	41,994
May	582,287	261,882	273,632	2,661	44,111
June	731,357	314,471	366,984	2,931	46,970
July	922,648	387,996	480,611	3,659	50,382
August	971,855	411,663	503,418	3,847	52,927
Sept	723,230	306,156	365,331	3,447	48,295
October	594,338	260,110	287,180	3,471	43,576
November	519,375	219,357	253,331	3,345	43,341
December	590,663	254,209	283,622	4,364	48,467
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
Year to Date					
2010	7,089,522	3,036,783	3,510,801	35,097	506,841
2011	7,241,810	3,175,045	3,503,797	42,861	520,107
2012	8,847,298	3,846,346	4,404,792	44,997	551,163
Rolling 12 Months Ending in November					
2011	7,832,473	3,429,255	3,787,419	47,226	568,574
2012	9,489,353	4,117,387	4,720,103	49,306	602,557

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 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, 2002-November 2012 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	860,024	--	263,619	41,435	554,970
2003	721,267	--	225,967	19,973	475,327
2004	1,052,100	--	388,424	39,233	624,443
2005	984,340	--	384,365	34,172	565,803
2006	942,817	--	330,878	33,112	578,828
2007	872,579	--	339,796	35,987	496,796
2008	793,537	--	326,048	32,813	434,676
2009	816,787	--	305,542	41,275	469,970
2010	821,775	--	301,769	46,324	473,683
2011	839,681	--	308,669	39,856	491,155
2010					
January	72,867	--	26,791	4,086	41,990
February	64,030	--	23,665	3,731	36,634
March	68,097	--	25,259	3,612	39,225
April	62,604	--	22,596	3,279	36,729
May	64,675	--	24,150	3,079	37,446
June	64,855	--	24,210	3,254	37,391
July	74,050	--	28,575	4,452	41,023
August	74,748	--	27,921	4,955	41,872
Sept	67,954	--	25,235	4,034	38,685
October	67,393	--	23,073	3,960	40,361
November	66,220	--	23,851	3,786	38,583
December	74,282	--	26,442	4,096	43,744
2011					
January	72,765	--	27,509	3,590	41,667
February	65,092	--	24,322	2,962	37,808
March	66,500	--	24,958	2,875	38,666
April	64,265	--	23,687	2,685	37,894
May	67,344	--	24,178	3,047	40,119
June	66,791	--	24,165	2,912	39,714
July	77,883	--	29,452	3,910	44,520
August	78,356	--	28,864	3,877	45,616
Sept	70,438	--	25,286	3,339	41,812
October	66,780	--	23,880	3,155	39,744
November	67,698	--	24,826	3,422	39,450
December	75,769	--	27,542	4,083	44,145
2012					
January	80,268	--	28,153	4,230	47,885
February	72,826	--	26,538	3,988	42,301
March	72,726	--	24,617	3,881	44,228
April	72,067	--	26,221	3,546	42,301
May	73,640	--	28,295	3,338	42,007
June	75,498	--	28,908	3,551	43,039
July	79,508	--	30,195	3,876	45,437
August	78,480	--	30,248	3,602	44,630
Sept	73,579	--	26,325	3,842	43,412
October	74,631	--	26,206	3,881	44,544
November	73,627	--	24,443	3,543	45,641
Year to Date					
2010	747,493	--	275,326	42,228	429,939
2011	763,912	--	281,128	35,774	447,011
2012	826,850	--	300,149	41,277	485,425
Rolling 12 Months Ending in November					
2011	838,194	--	307,570	39,870	490,754
2012	902,619	--	327,691	45,359	529,570

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 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, 2002-November 2012 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	6,986,087	2,259,684	3,412,213	73,980	1,240,209
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
2010					
January	643,072	244,970	300,842	7,248	90,013
February	565,820	211,934	267,681	6,626	79,580
March	546,948	207,974	248,889	6,584	83,501
April	556,192	210,270	261,212	5,988	78,722
May	646,962	261,882	297,782	5,740	81,557
June	796,212	314,471	391,194	6,185	84,362
July	996,697	387,996	509,185	8,111	91,405
August	1,046,602	411,663	531,340	8,801	94,799
Sept	791,184	306,156	390,566	7,481	86,980
October	661,732	260,110	310,253	7,431	83,937
November	585,595	219,357	277,182	7,131	81,924
December	664,945	254,209	310,065	8,461	92,210
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
Year to Date					
2010	7,837,015	3,036,783	3,786,127	77,325	936,779
2011	8,005,722	3,175,045	3,784,924	78,635	967,118
2012	9,674,148	3,846,346	4,704,941	86,273	1,036,588
Rolling 12 Months Ending in November					
2011	8,670,668	3,429,255	4,094,989	87,095	1,059,329
2012	10,391,972	4,117,387	5,047,793	94,665	1,132,127

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

Table 2.5.A. Consumption of Coal for Electricity Generation by State, by Sector, November 2012 and November 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	146	87	68.0%	49	60	96	26	--	--	1	1
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	1	1	-23.0%	--	--	1	1	--	--	*	*
Massachusetts	96	26	275.0%	--	--	95	25	--	--	NM	*
New Hampshire	49	60	-18.0%	49	60	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,550	3,721	-4.6%	NM	--	3,510	3,700	NM	*	39	21
New Jersey	58	43	35.0%	--	--	58	43	--	--	--	--
New York	199	107	86.0%	NM	--	193	101	--	--	5	6
Pennsylvania	3,293	3,572	-7.8%	--	--	3,259	3,556	NM	*	34	15
East North Central	15,392	15,077	2.1%	11,052	10,016	4,247	4,968	7	4	86	88
Illinois	4,247	4,280	-0.8%	502	477	3,690	3,746	2	1	53	56
Indiana	4,000	4,015	-0.4%	3,803	3,649	193	363	3	2	NM	1
Michigan	2,655	2,445	8.6%	2,630	2,426	18	13	*	*	7	6
Ohio	2,660	2,819	-5.6%	2,307	1,966	347	846	NM	1	6	6
Wisconsin	1,829	1,518	21.0%	1,811	1,498	--	--	NM	*	18	19
West North Central	11,062	11,086	-0.2%	10,926	10,966	--	--	8	5	129	114
Iowa	1,911	1,707	12.0%	1,838	1,644	--	--	4	3	68	60
Kansas	1,449	1,635	-11.0%	1,449	1,635	--	--	--	--	--	--
Minnesota	1,179	1,205	-2.2%	1,143	1,172	--	--	NM	*	34	33
Missouri	3,153	3,476	-9.3%	3,149	3,472	--	--	2	2	2	2
Nebraska	1,273	1,235	3.1%	1,257	1,222	--	--	--	--	17	13
North Dakota	1,922	1,777	8.1%	1,915	1,770	--	--	--	--	6	7
South Dakota	175	50	248.0%	175	50	--	--	--	--	--	--
South Atlantic	9,851	8,441	17.0%	7,755	7,124	2,046	1,248	1	2	49	67
Delaware	81	24	238.0%	--	--	81	24	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,338	1,463	-8.6%	1,331	1,437	2	21	--	--	NM	5
Georgia	1,413	1,543	-8.4%	1,404	1,528	--	--	--	--	9	15
Maryland	772	576	34.0%	--	--	768	571	--	--	4	5
North Carolina	1,908	1,504	27.0%	1,861	1,436	42	62	1	1	5	5
South Carolina	889	763	17.0%	884	748	--	6	--	--	5	9
Virginia	597	427	40.0%	530	384	57	33	NM	1	10	10
West Virginia	2,851	2,140	33.0%	1,744	1,591	1,095	531	--	--	13	18
East South Central	7,627	6,625	15.0%	7,290	6,303	312	296	NM	*	25	25
Alabama	2,073	1,862	11.0%	2,068	1,858	*	*	--	--	4	4
Kentucky	3,282	3,225	1.8%	3,282	3,225	--	--	--	--	--	--
Mississippi	472	392	20.0%	161	96	311	296	--	--	--	--
Tennessee	1,800	1,146	57.0%	1,779	1,125	--	--	NM	*	20	20
West South Central	12,016	11,824	1.6%	5,823	6,076	6,150	5,705	--	--	42	44
Arkansas	1,218	1,243	-2.0%	1,019	1,099	197	142	--	--	3	2
Louisiana	1,380	1,445	-4.5%	866	776	514	668	--	--	--	--
Oklahoma	1,314	1,594	-18.0%	1,188	1,495	120	83	--	--	7	16
Texas	8,104	7,542	7.4%	2,751	2,705	5,320	4,811	--	--	NM	26
Mountain	9,457	9,273	2.0%	8,301	8,086	1,134	1,160	--	--	22	27
Arizona	1,804	1,987	-9.2%	1,801	1,981	--	--	--	--	NM	7
Colorado	1,530	1,431	6.9%	1,527	1,428	NM	3	--	--	--	--
Idaho	1	2	-39.0%	--	--	--	--	--	--	1	2
Montana	1,014	1,025	-1.1%	NM	26	988	998	--	--	NM	2
Nevada	281	313	-10.0%	212	238	68	75	--	--	--	--
New Mexico	1,170	1,113	5.2%	1,170	1,113	--	--	--	--	--	--
Utah	1,208	1,161	4.0%	1,175	1,122	NM	39	--	--	--	--
Wyoming	2,449	2,241	9.3%	2,389	2,178	NM	46	--	--	17	17
Pacific Contiguous	771	825	-6.6%	228	230	535	587	--	--	7	7
California	25	46	-46.0%	--	--	19	40	--	--	6	6
Oregon	228	230	-0.7%	228	230	--	--	--	--	--	--
Washington	517	548	-5.7%	--	--	516	547	--	--	1	1
Pacific Noncontiguous	106	101	4.8%	18	17	78	72	9	10	NM	2
Alaska	44	48	-8.5%	18	17	17	21	9	10	--	--
Hawaii	62	53	17.0%	--	--	62	51	--	--	NM	2
U.S. Total	69,977	67,059	4.4%	51,442	48,879	18,108	17,762	26	21	401	397

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.5.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through November 2012 and November 2011 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	1,269	2,846	-55.0%	415	838	844	1,996	--	--	10	11
Connecticut	58	317	-82.0%	--	--	58	317	--	--	--	--
Maine	10	13	-23.0%	--	--	5	7	--	--	5	6
Massachusetts	787	1,677	-53.0%	--	--	781	1,672	--	--	6	6
New Hampshire	415	838	-50.0%	415	838	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	39,959	50,010	-20.0%	NM	16	39,462	49,426	*	1	488	566
New Jersey	788	1,767	-55.0%	--	--	788	1,767	--	--	--	--
New York	1,992	4,393	-55.0%	NM	16	1,919	4,303	--	1	65	73
Pennsylvania	37,179	43,850	-15.0%	--	--	36,755	43,356	*	1	424	493
East North Central	166,248	193,417	-14.0%	116,823	133,913	48,456	58,403	87	106	882	995
Illinois	44,587	49,727	-10.0%	5,799	5,968	38,211	43,121	12	12	565	625
Indiana	42,428	48,284	-12.0%	39,561	43,976	2,821	4,264	34	32	12	12
Michigan	27,343	29,948	-8.7%	27,081	29,654	187	174	26	46	50	74
Ohio	34,056	44,404	-23.0%	26,745	33,476	7,237	10,844	11	12	63	71
Wisconsin	17,834	21,054	-15.0%	17,639	20,838	--	--	3	3	192	213
West North Central	123,346	134,468	-8.3%	121,876	132,941	--	--	79	91	1,391	1,436
Iowa	19,799	21,645	-8.5%	19,018	20,856	--	--	41	42	740	746
Kansas	16,140	18,344	-12.0%	16,140	18,344	--	--	--	--	--	--
Minnesota	12,429	15,728	-21.0%	12,023	15,282	--	--	19	24	386	422
Missouri	38,519	42,616	-9.6%	38,480	42,564	--	--	18	25	20	27
Nebraska	13,717	14,470	-5.2%	13,545	14,297	--	--	--	--	172	174
North Dakota	20,968	20,071	4.5%	20,896	20,005	--	--	--	--	72	67
South Dakota	1,773	1,593	11.0%	1,773	1,593	--	--	--	--	--	--
South Atlantic	107,624	130,710	-18.0%	89,378	110,332	17,669	19,572	16	24	560	783
Delaware	644	689	-6.5%	--	--	644	689	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	18,270	20,981	-13.0%	17,637	20,095	588	826	--	--	46	61
Georgia	19,682	27,177	-28.0%	19,581	26,993	--	--	--	--	101	184
Maryland	6,374	8,395	-24.0%	--	--	6,336	8,348	--	--	38	47
North Carolina	19,280	22,987	-16.0%	18,577	22,172	650	749	7	13	47	53
South Carolina	10,825	13,102	-17.0%	10,745	12,928	14	74	--	--	66	100
Virginia	5,757	8,003	-28.0%	5,122	7,080	515	794	9	11	112	118
West Virginia	26,791	29,377	-8.8%	17,717	21,064	8,923	8,092	--	--	151	221
East South Central	77,405	90,268	-14.0%	74,391	87,599	2,726	2,376	4	4	284	288
Alabama	21,143	26,424	-20.0%	21,085	26,349	13	26	--	--	46	49
Kentucky	35,400	38,915	-9.0%	35,400	38,915	--	--	--	--	--	--
Mississippi	4,786	5,624	-15.0%	2,073	3,274	2,713	2,350	--	--	--	--
Tennessee	16,075	19,305	-17.0%	15,833	19,061	--	--	4	4	238	239
West South Central	135,240	152,902	-12.0%	70,162	77,914	64,637	74,485	--	--	441	504
Arkansas	15,538	15,984	-2.8%	13,284	13,872	2,232	2,089	--	--	22	23
Louisiana	13,321	15,272	-13.0%	7,222	7,654	6,097	7,614	--	--	NM	4
Oklahoma	16,940	19,723	-14.0%	15,742	18,332	1,054	1,214	--	--	144	178
Texas	89,441	101,923	-12.0%	33,914	38,056	55,253	63,568	--	--	274	298
Mountain	97,258	100,259	-3.0%	87,326	89,710	9,436	10,016	--	--	496	533
Arizona	19,544	21,243	-8.0%	19,477	21,159	--	--	--	--	67	84
Colorado	17,341	16,940	2.4%	17,309	16,902	31	38	--	--	--	--
Idaho	15	17	-13.0%	--	--	--	--	--	--	15	17
Montana	8,339	8,726	-4.4%	260	269	8,072	8,443	--	--	6	13
Nevada	2,006	2,598	-23.0%	1,442	1,943	564	655	--	--	--	--
New Mexico	13,136	14,069	-6.6%	13,136	14,069	--	--	--	--	--	--
Utah	12,937	13,949	-7.3%	12,395	13,330	325	383	--	--	218	237
Wyoming	23,941	22,717	5.4%	23,307	22,037	443	497	--	--	191	182
Pacific Contiguous	4,036	5,309	-24.0%	1,376	1,752	2,580	3,478	--	--	80	79
California	550	723	-24.0%	--	--	478	650	--	--	72	73
Oregon	1,376	1,752	-21.0%	1,376	1,752	--	--	--	--	--	--
Washington	2,110	2,834	-26.0%	--	--	2,102	2,828	--	--	8	6
Pacific Noncontiguous	1,172	1,140	2.9%	189	156	873	870	95	95	16	18
Alaska	482	462	4.3%	189	156	198	210	95	95	--	--
Hawaii	691	678	1.9%	--	--	675	660	--	--	16	18
U.S. Total	753,556	861,329	-13.0%	561,945	635,170	186,682	220,623	282	322	4,647	5,214

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.6.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, November 2012 and November 2011
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	73	56	31.0%	9	23	56	25	6	6	3	2
Connecticut	10	16	-41.0%	NM	*	9	16	NM	--	NM	*
Maine	39	9	353.0%	NM	*	35	6	NM	1	3	2
Massachusetts	18	10	80.0%	4	4	11	4	3	2	NM	*
New Hampshire	3	18	-83.0%	2	16	NM	*	NM	2	NM	*
Rhode Island	NM	1	NM	2	1	NM	*	NM	*	--	--
Vermont	NM	3	NM	NM	1	--	--	NM	2	--	--
Middle Atlantic	134	85	57.0%	37	8	88	67	2	2	6	8
New Jersey	4	5	-13.0%	NM	*	4	5	NM	*	NM	*
New York	79	36	117.0%	37	8	34	19	2	1	6	8
Pennsylvania	51	44	15.0%	NM	*	50	43	*	1	*	*
East North Central	113	123	-8.2%	88	102	23	18	NM	*	2	2
Illinois	15	12	24.0%	3	5	12	8	NM	*	NM	*
Indiana	18	28	-36.0%	17	26	NM	*	NM	*	1	1
Michigan	21	15	46.0%	21	13	--	--	NM	*	*	1
Ohio	45	60	-25.0%	34	51	11	9	NM	*	*	*
Wisconsin	13	8	59.0%	13	7	*	2	NM	*	NM	*
West North Central	46	62	-26.0%	45	61	NM	1	NM	*	NM	*
Iowa	14	18	-23.0%	14	18	NM	*	NM	*	NM	*
Kansas	11	5	139.0%	11	5	--	--	--	--	--	--
Minnesota	NM	5	NM	NM	5	NM	*	NM	*	NM	*
Missouri	7	13	-46.0%	7	13	NM	--	NM	*	--	--
Nebraska	2	5	-60.0%	2	5	--	--	--	--	--	--
North Dakota	8	11	-22.0%	8	11	--	--	NM	*	NM	*
South Dakota	NM	5	NM	NM	5	NM	*	NM	*	--	--
South Atlantic	161	246	-34.0%	120	203	29	29	NM	*	12	14
Delaware	2	2	42.0%	NM	*	2	2	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	36	103	-65.0%	25	97	10	2	--	--	1	5
Georgia	19	16	20.0%	12	12	1	*	NM	*	6	4
Maryland	13	19	-32.0%	NM	1	11	18	NM	*	*	*
North Carolina	31	28	13.0%	29	26	NM	1	NM	*	NM	1
South Carolina	16	29	-45.0%	14	27	--	--	NM	*	2	2
Virginia	22	31	-28.0%	17	23	3	6	*	*	2	2
West Virginia	21	19	14.0%	21	19	--	--	--	--	--	--
East South Central	48	50	-4.1%	46	48	NM	*	--	--	2	2
Alabama	14	12	22.0%	13	9	NM	*	--	--	NM	2
Kentucky	19	23	-20.0%	19	23	--	--	--	--	--	--
Mississippi	1	2	-55.0%	1	2	--	--	--	--	*	*
Tennessee	14	13	9.2%	14	13	--	--	--	--	NM	*
West South Central	24	23	6.1%	15	8	8	14	NM	*	NM	2
Arkansas	7	7	11.0%	6	2	1	4	--	--	NM	*
Louisiana	3	7	-52.0%	NM	1	2	4	--	--	1	1
Oklahoma	2	2	16.0%	2	2	--	--	NM	*	--	--
Texas	12	8	50.0%	6	3	6	5	NM	*	NM	*
Mountain	38	43	-12.0%	37	39	1	3	NM	*	NM	1
Arizona	9	6	42.0%	9	6	--	--	NM	*	NM	1
Colorado	3	2	7.2%	3	2	--	--	--	--	NM	--
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	NM	3	NM	NM	*	NM	2	--	--	--	--
Nevada	2	2	35.0%	2	1	*	*	--	--	--	--
New Mexico	10	4	145.0%	10	4	NM	*	--	--	--	--
Utah	6	10	-39.0%	6	10	NM	*	--	--	--	--
Wyoming	7	16	-55.0%	7	16	--	--	--	--	NM	*
Pacific Contiguous	10	11	-1.6%	6	6	3	1	NM	*	2	3
California	5	6	-11.0%	5	4	*	1	NM	*	NM	*
Oregon	1	1	-26.0%	1	1	--	--	NM	*	--	--
Washington	4	4	23.0%	NM	*	2	*	NM	*	1	3
Pacific Noncontiguous	988	1,132	-13.0%	862	990	115	120	NM	1	11	21
Alaska	128	167	-23.0%	120	156	--	--	NM	1	8	9
Hawaii	861	966	-11.0%	742	834	115	120	*	*	3	11
U.S. Total	1,636	1,832	-11.0%	1,264	1,488	324	278	10	10	38	55

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.6.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through November 2012 and November 2011 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	818	1,230	-33.0%	115	243	588	837	78	78	38	71
Connecticut	239	358	-33.0%	NM	9	228	346	NM	--	2	3
Maine	205	311	-34.0%	NM	1	163	234	NM	8	35	68
Massachusetts	267	346	-23.0%	32	69	195	255	41	22	NM	NM
New Hampshire	56	142	-61.0%	45	125	NM	1	11	16	NM	*
Rhode Island	NM	28	NM	NM	20	NM	2	NM	5	--	--
Vermont	26	45	-42.0%	NM	18	--	--	17	27	--	--
Middle Atlantic	1,647	2,720	-39.0%	662	903	900	1,706	NM	22	65	89
New Jersey	84	230	-63.0%	NM	10	77	218	NM	1	NM	2
New York	1,034	1,620	-36.0%	656	893	301	628	NM	16	60	82
Pennsylvania	530	870	-39.0%	NM	*	522	859	NM	5	NM	6
East North Central	1,168	1,398	-16.0%	971	1,174	167	193	NM	6	26	25
Illinois	122	144	-15.0%	39	49	82	95	NM	*	NM	*
Indiana	210	283	-26.0%	193	263	NM	*	NM	2	NM	18
Michigan	273	355	-23.0%	265	346	*	*	3	4	6	4
Ohio	466	541	-14.0%	382	448	82	91	NM	*	2	2
Wisconsin	96	76	27.0%	92	68	3	7	NM	*	NM	1
West North Central	581	582	-0.1%	567	571	NM	6	NM	2	NM	3
Iowa	182	149	22.0%	178	145	NM	3	NM	*	NM	*
Kansas	70	79	-11.0%	70	79	--	--	--	--	--	--
Minnesota	60	44	37.0%	51	39	5	2	NM	1	NM	1
Missouri	145	155	-6.0%	145	154	NM	--	NM	*	--	1
Nebraska	37	65	-42.0%	37	65	--	--	--	--	--	--
North Dakota	67	73	-8.6%	65	71	--	--	NM	*	NM	1
South Dakota	NM	18	NM	20	18	NM	*	NM	*	--	--
South Atlantic	3,214	5,076	-37.0%	2,470	3,989	581	922	NM	6	158	159
Delaware	44	70	-36.0%	NM	3	43	67	--	--	--	--
District of Columbia	26	275	-91.0%	--	--	26	275	--	--	--	--
Florida	1,343	2,396	-44.0%	1,201	2,339	127	22	--	--	15	35
Georgia	215	200	7.7%	121	139	NM	7	NM	3	88	52
Maryland	231	420	-45.0%	NM	15	208	401	NM	*	7	3
North Carolina	345	377	-8.6%	324	347	NM	6	NM	*	13	24
South Carolina	189	196	-3.7%	173	176	--	--	NM	1	15	19
Virginia	592	840	-29.0%	406	687	166	124	1	2	19	26
West Virginia	229	302	-24.0%	228	283	2	19	--	--	--	--
East South Central	665	825	-19.0%	628	771	NM	11	--	--	34	43
Alabama	155	201	-23.0%	121	153	NM	11	--	--	30	37
Kentucky	208	229	-8.9%	208	229	--	--	--	--	--	--
Mississippi	28	64	-56.0%	25	61	--	--	--	--	3	4
Tennessee	275	331	-17.0%	273	329	--	--	--	--	NM	2
West South Central	383	448	-14.0%	116	242	246	187	NM	2	19	16
Arkansas	50	84	-41.0%	28	46	20	36	--	--	2	3
Louisiana	60	88	-32.0%	18	48	27	29	--	--	15	11
Oklahoma	19	27	-30.0%	19	27	--	--	NM	*	--	--
Texas	255	248	2.6%	51	121	200	122	NM	2	NM	3
Mountain	415	442	-6.3%	368	397	44	43	NM	*	NM	2
Arizona	75	91	-18.0%	73	89	--	--	NM	*	NM	2
Colorado	35	49	-29.0%	35	49	*	--	--	*	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	32	36	-9.0%	NM	4	30	31	--	--	--	--
Nevada	37	25	48.0%	27	17	9	7	--	--	--	--
New Mexico	83	64	30.0%	78	59	NM	4	--	--	--	--
Utah	68	78	-13.0%	68	78	NM	*	--	--	--	--
Wyoming	85	101	-15.0%	85	100	--	--	--	--	NM	*
Pacific Contiguous	160	151	5.6%	81	81	44	34	NM	1	34	34
California	92	82	13.0%	57	59	30	17	NM	1	NM	5
Oregon	12	12	-6.7%	11	11	--	--	NM	*	--	1
Washington	56	57	-2.2%	12	11	NM	17	NM	*	29	28
Pacific Noncontiguous	11,843	12,503	-5.3%	10,470	10,934	1,164	1,351	NM	7	203	210
Alaska	1,635	1,450	13.0%	1,539	1,364	--	--	NM	4	NM	83
Hawaii	10,208	11,052	-7.6%	8,931	9,570	1,164	1,351	3	3	111	128
U.S. Total	20,894	25,374	-18.0%	16,449	19,305	3,745	5,290	120	125	580	654

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.7.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, November 2012 and November 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	5	NM	--	--	--	--	--	--	NM	5
New Jersey	--	*	-100.0%	--	--	--	--	--	--	--	*
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	NM	4	NM	--	--	--	--	--	--	NM	4
East North Central	37	49	-25.0%	*	6	31	38	--	--	5	5
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	4	4	7.2%	--	--	3	3	--	--	1	1
Ohio	28	35	-19.0%	--	--	28	35	--	--	--	*
Wisconsin	4	10	-57.0%	*	6	--	--	--	--	4	4
West North Central	*	*	127.0%	--	--	--	--	*	*	--	--
Iowa	*	*	127.0%	--	--	--	--	*	*	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	20	6	245.0%	16	1	--	--	--	--	4	5
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	16	1	NM	16	1	--	--	--	--	--	--
Georgia	4	5	-27.0%	--	--	--	--	--	--	4	5
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	53	39	36.0%	53	39	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	53	39	36.0%	53	39	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	170	122	39.0%	105	109	--	NM	--	--	65	10
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	108	116	-7.2%	105	109	--	--	--	--	3	8
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	61	NM	NM	--	--	--	NM	--	--	61	2
Mountain	16	15	5.7%	--	--	16	15	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	16	15	5.7%	--	--	16	15	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	21	NM	--	--	NM	21	--	--	--	--
California	NM	21	NM	--	--	NM	21	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	298	257	16.0%	175	155	48	77	*	*	75	25

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.7.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through November 2012 and November 2011 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	12	116	-90.0%	--	--	--	93	--	--	12	22
New Jersey	--	6	-100.0%	--	--	--	--	--	--	--	6
New York	--	93	-100.0%	--	--	--	93	--	--	--	--
Pennsylvania	12	17	-28.0%	--	--	--	--	--	--	12	17
East North Central	668	866	-23.0%	236	412	383	399	--	--	50	55
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	204	268	-24.0%	204	268	--	--	--	--	--	--
Michigan	40	44	-7.2%	--	--	31	28	--	--	9	16
Ohio	352	371	-5.1%	--	--	351	371	--	--	*	*
Wisconsin	72	184	-61.0%	31	144	--	--	--	--	40	40
West North Central	6	41	-86.0%	5	41	--	--	1	1	--	--
Iowa	6	28	-79.0%	5	27	--	--	1	1	--	--
Kansas	--	13	-100.0%	--	13	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	292	697	-58.0%	243	631	--	--	--	--	49	66
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	243	631	-62.0%	243	631	--	--	--	--	--	--
Georgia	49	66	-26.0%	--	--	--	--	--	--	49	66
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	493	579	-15.0%	493	579	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	493	579	-15.0%	493	579	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,531	1,864	-18.0%	966	1,535	25	212	--	--	539	117
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,008	1,610	-37.0%	966	1,535	--	--	--	--	42	76
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	523	253	106.0%	--	--	25	212	--	--	498	41
Mountain	156	151	3.1%	--	--	156	151	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	156	151	3.1%	--	--	156	151	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	96	334	-71.0%	--	--	96	334	--	--	--	--
California	96	334	-71.0%	--	--	96	334	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	3,253	4,647	-30.0%	1,942	3,197	659	1,189	1	1	650	261

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.8.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, November 2012 and November 2011
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	31,784	38,077	-17.0%	343	327	29,562	35,546	446	550	1,433	1,654
Connecticut	11,324	9,836	15.0%	NM	NM	11,034	9,438	NM	183	NM	153
Maine	2,873	3,933	-27.0%	--	--	1,621	2,535	NM	1	1,251	1,397
Massachusetts	11,876	13,959	-15.0%	242	163	11,274	13,380	289	324	NM	93
New Hampshire	2,277	4,369	-48.0%	37	99	2,233	4,259	--	--	NM	11
Rhode Island	3,430	5,977	-43.0%	--	--	3,400	5,935	NM	42	--	--
Vermont	4	2	71.0%	4	2	--	--	--	--	--	--
Middle Atlantic	76,620	69,645	10.0%	9,639	8,489	65,773	59,724	563	591	645	841
New Jersey	10,846	15,431	-30.0%	--	--	10,562	14,995	NM	64	NM	372
New York	37,669	30,123	25.0%	9,634	8,485	27,425	21,020	485	486	125	133
Pennsylvania	28,105	24,091	17.0%	NM	4	27,786	23,709	NM	41	280	336
East North Central	34,199	26,433	29.0%	12,301	9,370	20,572	15,834	684	589	643	640
Illinois	3,690	1,351	173.0%	NM	252	3,126	756	301	265	153	78
Indiana	6,791	6,740	0.8%	4,617	4,591	1,931	1,752	NM	28	227	370
Michigan	7,590	7,647	-0.7%	1,466	1,846	5,763	5,496	201	192	161	114
Ohio	11,082	6,726	65.0%	3,403	1,026	7,531	5,604	NM	65	NM	31
Wisconsin	5,047	3,969	27.0%	2,706	1,655	2,221	2,226	NM	40	74	48
West North Central	7,248	3,320	118.0%	6,259	2,777	786	244	127	204	77	95
Iowa	937	195	380.0%	929	189	--	*	NM	4	NM	3
Kansas	960	829	16.0%	957	829	--	--	--	--	NM	*
Minnesota	3,140	969	224.0%	2,286	596	706	238	118	106	30	29
Missouri	1,982	1,200	65.0%	1,897	1,097	NM	6	4	94	NM	3
Nebraska	144	120	21.0%	114	61	--	--	NM	*	NM	58
North Dakota	NM	2	NM	*	--	--	--	--	--	NM	2
South Dakota	NM	5	NM	NM	5	--	--	--	--	--	--
South Atlantic	131,680	115,514	14.0%	107,470	91,123	22,215	22,860	NM	52	1,791	1,478
Delaware	2,768	4,456	-38.0%	NM	19	2,324	3,997	--	--	427	440
District of Columbia	NM	72	NM	--	72	--	--	NM	--	--	--
Florida	75,434	72,751	3.7%	69,963	66,756	4,753	5,254	NM	13	702	729
Georgia	20,692	13,003	59.0%	14,699	5,527	5,546	7,333	--	--	447	143
Maryland	3,052	375	715.0%	--	--	2,904	262	NM	35	NM	77
North Carolina	7,971	8,006	-0.4%	6,413	6,363	1,516	1,606	2	3	NM	34
South Carolina	10,231	8,190	25.0%	9,584	7,518	598	652	NM	*	47	19
Virginia	11,347	8,633	31.0%	6,772	4,864	4,475	3,734	--	--	101	35
West Virginia	124	27	354.0%	23	4	99	23	--	--	NM	*
East South Central	49,261	52,421	-6.0%	27,474	26,172	19,516	25,317	NM	62	2,208	870
Alabama	26,609	32,192	-17.0%	8,384	8,886	17,513	22,681	--	--	712	624
Kentucky	1,458	732	99.0%	1,312	644	NM	13	--	--	NM	76
Mississippi	16,737	17,895	-6.5%	13,386	15,118	1,958	2,622	NM	9	1,383	146
Tennessee	4,457	1,602	178.0%	4,393	1,524	--	--	NM	54	NM	24
West South Central	155,340	148,104	4.9%	43,522	45,177	73,882	68,070	306	264	37,630	34,592
Arkansas	7,023	5,023	40.0%	418	447	6,496	4,486	NM	*	108	90
Louisiana	32,507	32,816	-0.9%	13,731	13,751	2,903	3,487	NM	19	15,851	15,559
Oklahoma	14,973	12,398	21.0%	12,273	10,422	2,634	1,947	NM	3	NM	25
Texas	100,838	97,867	3.0%	17,100	20,557	61,848	58,150	271	242	21,619	18,918
Mountain	36,812	39,559	-6.9%	23,825	26,266	12,256	12,672	177	136	555	486
Arizona	8,658	11,658	-26.0%	4,707	6,174	3,901	5,451	48	34	NM	--
Colorado	6,234	7,156	-13.0%	3,568	5,783	2,649	1,359	--	*	NM	14
Idaho	991	1,390	-29.0%	130	193	828	1,166	--	--	33	30
Montana	NM	874	NM	NM	852	NM	21	--	--	--	--
Nevada	12,829	9,908	29.0%	9,809	7,325	2,832	2,448	54	38	135	96
New Mexico	4,239	5,100	-17.0%	2,632	3,204	1,488	1,795	75	64	44	37
Utah	3,536	3,232	9.4%	2,890	2,700	NM	425	NM	*	103	107
Wyoming	242	241	0.5%	NM	34	NM	6	--	--	221	200
Pacific Contiguous	81,604	71,278	14.0%	27,580	29,026	46,450	35,144	1,193	1,259	6,381	5,849
California	70,579	56,339	25.0%	21,967	20,745	41,158	28,625	1,153	1,191	6,301	5,778
Oregon	8,190	9,237	-11.0%	3,204	3,723	4,916	5,404	NM	63	34	47
Washington	2,835	5,703	-50.0%	2,410	4,558	376	1,116	NM	5	46	24
Pacific Noncontiguous	3,994	3,655	9.3%	3,923	3,579	--	--	NM	1	NM	75
Alaska	3,994	3,655	9.3%	3,923	3,579	--	--	NM	1	NM	75
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	608,543	568,007	7.1%	262,336	242,306	291,010	275,414	3,766	3,709	51,430	46,579

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
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Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.8.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through November 2012 and November 2011 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	430,183	425,874	1.0%	4,288	4,106	402,067	399,058	5,646	5,747	18,181	16,964
Connecticut	109,806	101,152	8.6%	NM	663	105,344	96,969	1,884	1,883	1,802	1,638
Maine	41,812	44,392	-5.8%	--	--	26,901	30,123	NM	11	14,897	14,258
Massachusetts	173,689	178,429	-2.7%	2,725	2,351	166,406	171,674	3,187	3,439	1,372	964
New Hampshire	47,031	42,451	11.0%	754	1,046	46,168	41,301	--	--	NM	104
Rhode Island	57,811	59,405	-2.7%	--	--	57,249	58,991	562	414	--	--
Vermont	34	46	-26.0%	34	46	--	--	--	--	--	--
Middle Atlantic	1,016,833	843,833	21.0%	127,740	119,701	873,176	708,918	6,706	5,715	9,211	9,499
New Jersey	197,479	173,683	14.0%	--	--	193,155	169,086	707	683	3,617	3,914
New York	461,734	393,808	17.0%	127,652	119,656	327,036	267,968	5,415	4,563	1,631	1,621
Pennsylvania	357,620	276,342	29.0%	NM	45	352,986	271,864	584	470	3,963	3,963
East North Central	603,752	336,169	80.0%	222,918	123,949	362,678	197,171	8,211	7,113	9,944	7,936
Illinois	89,261	47,846	87.0%	13,326	9,692	70,125	32,554	3,233	3,253	2,576	2,347
Indiana	107,875	71,136	52.0%	81,463	48,698	22,584	18,949	287	248	3,540	3,241
Michigan	164,796	90,551	82.0%	40,565	22,486	119,743	65,463	2,039	1,209	2,448	1,393
Ohio	158,327	83,332	90.0%	42,444	21,952	113,434	58,999	1,973	1,957	476	424
Wisconsin	83,494	43,304	93.0%	45,120	21,120	36,791	21,207	679	446	904	531
West North Central	161,773	108,721	49.0%	137,942	94,819	19,950	11,294	2,768	1,840	1,113	768
Iowa	15,580	9,735	60.0%	15,459	9,666	NM	*	NM	34	NM	34
Kansas	31,466	29,569	6.4%	31,374	29,562	--	--	--	--	NM	7
Minnesota	53,197	27,325	95.0%	42,538	20,727	8,635	5,101	1,609	1,176	415	322
Missouri	49,788	35,939	39.0%	37,362	29,120	11,313	6,193	1,088	614	NM	12
Nebraska	8,494	4,489	89.0%	8,066	4,164	--	--	NM	17	408	308
North Dakota	106	84	26.0%	NM	*	--	--	--	--	104	84
South Dakota	3,142	1,580	99.0%	3,142	1,580	--	--	--	--	--	--
South Atlantic	1,883,940	1,522,275	24.0%	1,444,550	1,190,893	415,570	316,525	2,124	2,217	21,694	12,640
Delaware	56,791	36,900	54.0%	NM	155	50,402	34,967	--	--	6,156	1,778
District of Columbia	1,039	923	13.0%	978	923	--	--	NM	--	--	--
Florida	1,062,510	975,130	9.0%	963,444	886,908	90,118	80,400	NM	167	8,736	7,656
Georgia	286,441	183,033	56.0%	165,662	89,299	117,287	92,244	--	--	3,491	1,491
Maryland	49,657	22,268	123.0%	--	--	46,642	19,404	1,802	2,040	1,214	824
North Carolina	141,030	81,529	73.0%	118,916	64,304	21,531	16,901	35	5	548	319
South Carolina	107,399	92,012	17.0%	91,784	79,365	15,145	12,512	NM	5	457	131
Virginia	176,714	127,932	38.0%	103,100	69,558	72,564	57,956	--	--	1,050	418
West Virginia	2,358	2,547	-7.4%	434	382	1,881	2,142	--	--	42	23
East South Central	750,405	585,482	28.0%	412,697	320,803	324,655	253,506	939	859	12,115	10,314
Alabama	375,174	316,745	18.0%	102,169	96,408	265,707	213,701	--	--	7,299	6,635
Kentucky	32,313	16,766	93.0%	27,146	13,437	3,676	1,626	--	--	1,490	1,703
Mississippi	283,969	226,740	25.0%	225,453	186,821	55,272	38,179	NM	106	3,132	1,634
Tennessee	58,949	25,231	134.0%	57,928	24,137	--	--	828	753	193	341
West South Central	2,411,327	2,213,357	8.9%	778,017	739,662	1,226,422	1,076,443	3,838	3,595	403,050	393,657
Arkansas	119,772	96,132	25.0%	24,552	27,964	94,100	67,091	NM	4	1,115	1,074
Louisiana	457,684	429,954	6.4%	211,952	214,495	74,448	46,614	NM	243	171,039	168,602
Oklahoma	305,442	248,367	23.0%	221,147	189,865	83,569	57,951	207	134	520	417
Texas	1,528,428	1,438,903	6.2%	320,366	307,339	974,305	904,787	3,381	3,213	230,377	223,564
Mountain	609,107	512,301	19.0%	366,211	319,991	233,732	184,631	1,933	1,853	7,231	5,826
Arizona	222,298	171,910	29.0%	107,408	76,000	114,309	95,407	534	484	NM	18
Colorado	80,797	76,217	6.0%	44,769	61,940	35,799	14,101	28	28	201	149
Idaho	13,437	6,650	102.0%	4,622	1,300	8,475	4,910	--	--	339	440
Montana	1,516	4,341	-65.0%	1,302	4,240	NM	102	--	--	--	--
Nevada	172,996	148,034	17.0%	125,670	103,514	45,076	42,561	576	554	1,673	1,405
New Mexico	67,559	65,188	3.6%	43,542	40,765	22,680	23,177	790	786	547	460
Utah	47,216	37,336	26.0%	38,407	31,924	7,022	4,301	NM	*	1,782	1,112
Wyoming	3,289	2,624	25.0%	NM	310	NM	72	--	--	2,641	2,242
Pacific Contiguous	939,521	655,025	43.0%	312,433	223,121	546,542	356,252	12,804	13,904	67,742	61,748
California	825,509	578,577	43.0%	254,700	186,078	491,622	317,840	12,260	13,553	66,927	61,106
Oregon	76,177	48,513	57.0%	26,797	15,576	48,451	32,240	489	323	440	374
Washington	37,835	27,935	35.0%	30,936	21,468	6,468	6,172	56	28	375	268
Pacific Noncontiguous	40,459	38,775	4.3%	39,550	38,001	--	--	NM	18	884	756
Alaska	40,459	38,775	4.3%	39,550	38,001	--	--	NM	18	884	756
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	8,847,298	7,241,810	22.0%	3,846,346	3,175,045	4,404,792	3,503,797	44,997	42,861	551,163	520,107

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2002 - November 2012

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
2002	141,714	43,935	1,711	116,952	29,601	328	24,761	14,334	1,383
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
2010, End of Month Stocks									
January	178,091	37,426	1,406	146,174	24,732	1,178	31,917	12,693	228
February	171,026	38,163	1,280	140,533	25,561	1,045	30,493	12,602	235
March	177,742	38,137	1,240	145,182	25,578	983	32,559	12,558	258
April	189,260	37,875	1,243	152,253	25,360	1,022	37,007	12,516	221
May	191,669	37,355	1,188	153,295	25,019	986	38,374	12,336	202
June	181,490	36,623	1,117	146,130	24,305	943	35,359	12,318	174
July	169,504	35,627	1,046	138,240	23,858	907	31,265	11,769	139
August	159,987	35,317	1,112	131,072	23,887	976	28,915	11,430	136
Sept	163,776	36,208	1,158	133,943	24,857	1,017	29,833	11,350	141
October	175,686	36,857	1,197	143,363	25,309	1,006	32,323	11,548	191
November	183,389	36,926	1,098	149,066	25,660	894	34,323	11,266	204
December	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
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

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

Table 3.2 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by State, November 2012 and 2011

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	November 2012	November 2011	Percentage Change	November 2012	November 2011	Percentage Change	November 2012	November 2011	Percentage Change
New England	W	W	W	2,015	2,910	-31.0%	--	--	--
Connecticut	W	W	W	891	987	-9.7%	--	--	--
Maine	--	--	--	W	W	W	--	--	--
Massachusetts	531	642	-17.0%	767	1,167	-34.0%	--	--	--
New Hampshire	W	W	W	W	W	W	--	--	--
Rhode Island	--	--	--	W	W	W	--	--	--
Vermont	--	--	--	48	49	-1.1%	--	--	--
Middle Atlantic	7,738	7,383	4.8%	5,617	6,630	-15.0%	W	W	W
New Jersey	919	853	7.7%	1,079	1,097	-1.6%	--	--	--
New York	524	843	-38.0%	3,570	4,332	-18.0%	--	--	--
Pennsylvania	6,294	5,687	11.0%	968	1,201	-19.0%	W	W	W
East North Central	37,176	35,356	5.1%	1,301	1,682	-23.0%	53	60	-12.0%
Illinois	8,384	7,719	8.6%	117	136	-14.0%	--	--	--
Indiana	9,599	8,850	8.5%	119	125	-4.8%	--	--	--
Michigan	6,938	6,157	13.0%	522	765	-32.0%	W	W	W
Ohio	6,914	6,803	1.6%	301	373	-19.0%	W	W	W
Wisconsin	5,342	5,826	-8.3%	242	283	-14.0%	W	W	W
West North Central	31,498	27,123	16.0%	1,022	1,303	-22.0%	--	W	W
Iowa	8,829	7,025	26.0%	144	151	-4.4%	--	W	W
Kansas	4,085	3,387	21.0%	154	283	-46.0%	--	--	--
Minnesota	2,944	3,092	-4.8%	162	210	-23.0%	--	--	--
Missouri	10,358	7,642	36.0%	319	320	-0.6%	--	--	--
Nebraska	3,431	3,483	-1.5%	130	208	-37.0%	--	--	--
North Dakota	W	W	W	33	39	-16.0%	--	--	--
South Dakota	W	W	W	79	92	-13.0%	--	--	--
South Atlantic	37,836	34,969	8.2%	13,377	14,243	-6.1%	W	W	W
Delaware	W	W	W	395	390	1.4%	--	--	--
District of Columbia	--	--	--	--	W	W	--	--	--
Florida	5,821	6,079	-4.2%	6,955	7,766	-10.0%	W	W	W
Georgia	9,365	7,040	33.0%	912	903	1.0%	--	--	--
Maryland	1,273	1,882	-32.0%	768	816	-5.9%	--	--	--
North Carolina	6,891	6,089	13.0%	1,114	W	W	--	--	--
South Carolina	6,309	W	W	639	W	W	W	W	W
Virginia	W	2,393	W	2,446	2,527	-3.2%	--	--	--
West Virginia	5,925	W	W	148	W	W	W	W	W
East South Central	19,523	16,552	18.0%	1,897	1,935	-2.0%	W	W	W
Alabama	6,280	4,158	51.0%	285	297	-3.9%	--	--	--
Kentucky	8,540	7,336	16.0%	254	260	-2.2%	W	W	W
Mississippi	1,884	1,321	43.0%	559	592	-5.6%	--	--	--
Tennessee	2,819	3,738	-25.0%	798	786	1.6%	--	--	--
West South Central	28,196	23,972	18.0%	2,488	2,766	-10.0%	W	W	W
Arkansas	3,881	3,671	5.7%	162	169	-3.9%	--	--	--
Louisiana	3,664	2,378	54.0%	672	605	11.0%	W	W	W
Oklahoma	4,704	3,789	24.0%	210	200	5.2%	--	--	--
Texas	15,947	14,135	13.0%	1,444	1,793	-19.0%	W	--	W
Mountain	21,434	19,214	12.0%	698	675	3.4%	W	W	W
Arizona	4,479	2,784	61.0%	216	223	-3.0%	--	--	--
Colorado	4,283	4,405	-2.8%	144	137	5.2%	--	--	--
Idaho	--	--	--	W	W	W	--	--	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	W	W	W	179	181	-1.0%	--	--	--
New Mexico	W	W	W	60	38	58.0%	--	--	--
Utah	4,944	5,278	-6.3%	45	42	8.4%	--	--	--
Wyoming	4,214	3,279	29.0%	29	37	-22.0%	--	--	--
Pacific Contiguous	W	1,438	W	384	425	-9.5%	W	24	W
California	53	W	W	205	204	0.8%	W	24	W
Oregon	W	W	W	W	W	W	--	--	--
Washington	W	W	W	W	W	W	--	--	--
Pacific Noncontiguous	W	W	W	2,884	2,869	0.5%	--	--	--
Alaska	W	W	W	221	300	-26.0%	--	--	--
Hawaii	W	W	W	2,663	2,569	3.6%	--	--	--
U.S. Total	186,633	167,754	11.0%	31,683	35,437	-11.0%	423	494	-14.0%

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, November 2012 and 2011

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**November 2012**	**November 2011**	**Percentage Change**	**November 2012**	**November 2011**	**November 2012**	**November 2011**
Coal (Thousand Tons)							
New England	W	W	W	W	W	W	W
Middle Atlantic	7,738	7,383	4.8%	W	W	W	W
East North Central	37,176	35,356	5.1%	28,439	26,732	8,737	8,624
West North Central	31,498	27,123	16.1%	31,498	27,123	--	--
South Atlantic	37,836	34,969	8.2%	34,645	31,097	3,191	3,872
East South Central	19,523	16,552	18.0%	19,523	16,552	--	--
West South Central	28,196	23,972	17.6%	16,638	14,530	11,558	9,442
Mountain	21,434	19,214	11.6%	20,279	18,090	1,155	1,124
Pacific Contiguous	W	1,438	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**186,633**	**167,754**	**11.3%**	**152,764**	**137,122**	**33,869**	**30,632**
Petroleum Liquids (Thousand Barrels)							
New England	2,015	2,910	-30.8%	446	705	1,568	2,204
Middle Atlantic	5,617	6,630	-15.3%	2,539	2,965	3,078	3,665
East North Central	1,301	1,682	-22.6%	W	1,395	W	287
West North Central	1,022	1,303	-21.6%	991	1,267	30	36
South Atlantic	13,377	14,243	-6.1%	11,119	11,915	2,258	2,328
East South Central	1,897	1,935	-2.0%	W	W	W	W
West South Central	2,488	2,766	-10.0%	W	2,025	W	740
Mountain	698	675	3.4%	W	628	W	46
Pacific Contiguous	384	425	-9.5%	W	W	W	W
Pacific Noncontiguous	2,884	2,869	0.5%	W	W	W	W
U.S. Total	**31,683**	**35,437**	**-10.6%**	**23,710**	**25,967**	**7,974**	**9,470**
Petroleum Coke (Thousand Tons)							
New England	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
East North Central	53	60	-11.8%	W	W	W	W
West North Central	--	W	W	--	W	--	--
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	--	--
West South Central	W	W	W	W	W	W	--
Mountain	W	W	W	--	--	W	W
Pacific Contiguous	W	24	W	--	--	W	24
Pacific Noncontiguous	--	--	--	--	--	--	--
U.S. Total	**423**	**494**	**-14.4%**	**346**	**391**	**77**	**102**

W = Withheld to avoid disclosure of individual company data.
Notes: See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2002 - November 2012

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
2002	70,704	66,593	4,417	141,714
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
2010, End of Month Stocks				
January	86,354	86,893	4,845	178,091
February	82,469	83,721	4,836	171,026
March	86,698	86,014	5,030	177,742
April	92,621	89,545	7,095	189,260
May	93,069	91,514	7,085	191,669
June	87,123	87,299	7,068	181,490
July	80,465	81,933	7,107	169,504
August	76,303	77,081	6,604	159,987
Sept	78,201	78,906	6,669	163,776
October	84,103	84,992	6,592	175,686
November	87,548	88,880	6,961	183,389
December	81,108	86,915	6,894	174,917
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

Notes: See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 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), 2002 - November 2012

	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												
2002	17,981,987	884,287	1.25	25.52	0.94	88.0	623,354	98,581	3.87	24.45	0.89	67.2
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
2010												
January	1,516,857	77,092	2.23	43.79	1.12	83.1	33,911	5,604	13.38	80.98	0.56	90.5
February	1,454,951	73,655	2.27	44.80	1.17	89.8	18,686	3,101	13.60	81.93	0.51	116.6
March	1,678,040	84,412	2.31	45.98	1.17	107.7	19,184	3,174	13.85	83.71	0.45	126.3
April	1,569,056	78,733	2.29	45.71	1.19	113.8	12,112	2,039	14.82	88.02	0.36	86.2
May	1,584,118	80,404	2.26	44.59	1.16	103.5	21,833	3,593	13.77	83.68	0.61	102.4
June	1,556,526	79,414	2.25	44.05	1.15	89.2	25,290	4,149	13.30	81.08	0.59	86.6
July	1,622,967	83,033	2.27	44.37	1.09	85.8	31,476	5,147	13.33	81.53	0.49	91.6
August	1,757,445	88,879	2.30	45.43	1.16	92.0	28,352	4,619	13.29	81.55	0.58	100.8
Sept	1,655,524	84,275	2.28	44.70	1.15	103.7	25,145	4,105	13.41	82.16	0.59	130.0
October	1,689,804	85,931	2.27	44.57	1.17	118.4	17,375	2,892	14.93	89.71	0.42	119.2
November	1,601,707	81,626	2.26	44.27	1.19	109.6	19,248	3,286	15.77	92.35	0.42	135.1
December	1,602,665	82,464	2.23	43.34	1.15	91.0	22,447	3,764	16.45	98.12	0.37	79.7
2011												
January	1,608,143	82,379	2.32	45.39	1.17	89.3	22,658	3,777	16.79	100.70	0.66	97.8
February	1,454,404	73,875	2.35	46.29	1.23	97.9	15,830	2,657	17.98	107.13	0.65	108.6
March	1,565,674	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
Year to Date												
2010	17,686,996	897,454	2.27	44.76	1.16	98.5	252,611	41,709	13.80	83.59	0.52	103.6
2011	16,975,608	867,983	2.40	46.85	1.19	98.5	201,499	33,576	19.81	118.87	0.60	116.1
2012	15,076,117	778,083	2.41	46.63	1.26	100.8	137,077	22,969	21.95	130.97	0.51	98.2
Rolling 12 Months Ending in November												
2011	18,578,273	950,447	2.38	46.55	1.19	97.8	223,946	37,340	19.47	116.77	0.57	111.0
2012	16,628,610	858,768	2.40	46.49	1.25	101.3	152,331	25,551	21.93	130.71	0.52	99.7

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See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel 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), 2002 - November 2012 (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												
2002	127,362	4,454	0.78	22.32	4.96	60.6	5,749,844	5,607,737	3.56	3.65	80.3	1.86
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
2010												
January	15,526	545	1.72	48.97	4.74	103.8	674,318	659,430	6.71	6.86	102.5	3.74
February	9,904	347	1.80	51.44	4.56	70.0	591,685	578,727	6.07	6.20	102.3	3.45
March	13,712	482	2.09	59.50	4.54	92.3	574,306	561,969	5.29	5.40	102.8	3.16
April	14,428	506	2.18	62.25	4.97	110.5	581,459	568,443	4.71	4.82	102.2	3.01
May	12,976	455	2.22	63.33	4.77	91.2	677,034	662,077	4.79	4.90	102.3	3.12
June	14,387	506	2.15	61.02	5.01	86.3	827,276	809,085	5.12	5.24	101.6	3.34
July	16,160	573	2.42	68.18	4.66	93.5	1,033,717	1,011,011	5.18	5.30	101.4	3.51
August	17,868	629	2.65	75.40	4.77	123.3	1,083,879	1,060,006	4.92	5.03	101.3	3.39
Sept	15,268	536	2.67	76.05	4.78	112.7	822,221	803,862	4.45	4.55	101.6	3.10
October	15,041	526	2.43	69.44	4.67	116.1	693,955	678,492	4.30	4.39	102.5	2.94
November	10,931	391	2.22	62.07	5.01	94.4	613,152	600,163	4.35	4.44	102.5	2.94
December	13,307	467	2.57	73.40	5.03	93.5	694,392	679,805	5.43	5.54	102.2	3.32
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
Year to Date												
2010	156,201	5,496	2.26	64.13	4.77	99.0	8,173,003	7,993,264	5.06	5.18	102.0	3.25
2011	155,428	5,426	3.06	87.71	4.73	96.4	8,490,394	8,311,733	4.79	4.89	103.8	3.32
2012	124,099	4,328	2.55	73.12	5.40	98.5	10,135,211	9,912,016	3.34	3.41	102.5	2.88
Rolling 12 Months Ending in November												
2011	168,734	5,893	3.02	86.58	4.76	96.1	9,184,786	8,991,539	4.84	4.94	103.7	3.32
2012	139,772	4,881	2.57	73.63	5.35	100.6	10,895,469	10,656,447	3.39	3.47	102.5	2.90

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

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2002 - November 2012

	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												
2002	13,967,326	687,747	1.22	24.74	0.87	89.6	407,442	63,809	3.74	23.88	0.99	72.0
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
2010												
January	1,101,993	55,521	2.21	43.89	1.09	82.6	23,632	3,860	13.16	80.54	0.54	88.1
February	1,073,034	53,695	2.26	45.26	1.16	90.6	13,223	2,179	13.59	82.50	0.40	136.3
March	1,231,470	61,038	2.32	46.85	1.16	108.5	11,782	1,943	14.11	85.52	0.28	109.5
April	1,168,587	57,821	2.30	46.45	1.17	115.7	8,388	1,398	14.96	89.76	0.24	85.6
May	1,168,195	58,565	2.27	45.27	1.12	103.0	16,261	2,649	13.61	83.58	0.62	102.2
June	1,169,040	58,803	2.24	44.62	1.13	90.6	18,097	2,937	13.16	81.08	0.62	80.1
July	1,209,770	60,990	2.27	44.95	1.07	87.2	21,588	3,497	13.29	82.07	0.47	98.6
August	1,294,681	64,603	2.30	46.16	1.13	92.5	20,667	3,331	13.08	81.14	0.60	103.1
Sept	1,208,559	60,693	2.28	45.47	1.11	104.3	18,501	2,988	13.35	82.68	0.62	138.8
October	1,235,011	61,883	2.29	45.68	1.15	120.5	11,210	1,858	14.98	90.39	0.35	117.5
November	1,172,469	58,841	2.27	45.29	1.19	111.1	12,889	2,191	15.82	93.06	0.35	147.4
December	1,194,186	60,641	2.23	43.90	1.14	93.8	13,552	2,267	16.79	100.36	0.25	71.7
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
Year to Date												
2010	13,032,809	652,453	2.28	45.46	1.14	99.3	176,238	28,831	13.72	83.87	0.50	104.3
2011	12,565,189	632,122	2.41	47.89	1.17	99.5	134,526	22,214	20.18	122.20	0.53	115.1
2012	10,873,362	554,432	2.43	47.68	1.19	98.7	92,967	15,499	22.29	133.72	0.45	94.2
Rolling 12 Months Ending in November												
2011	13,759,375	692,763	2.40	47.54	1.17	99.0	148,078	24,482	19.87	120.18	0.50	109.0
2012	12,031,990	613,793	2.42	47.54	1.19	99.6	102,696	17,144	22.26	133.34	0.45	95.3

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Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel 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, 2002 - November 2012 (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												
2002	75,711	2,677	0.63	17.68	4.98	126.0	1,680,518	1,634,734	3.68	3.78	72.3	1.53
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
2010												
January	9,040	317	1.76	50.18	5.38	112.1	254,841	249,848	6.93	7.07	102.0	3.26
February	5,337	188	1.96	55.49	5.09	72.9	217,554	213,267	6.39	6.52	100.6	3.06
March	8,021	284	2.24	63.36	4.99	92.2	214,554	210,587	5.72	5.83	101.3	2.91
April	9,899	347	2.30	65.45	5.03	137.3	218,064	213,690	5.20	5.30	101.6	2.82
May	7,673	269	2.32	66.03	4.99	103.1	270,661	265,218	5.20	5.30	101.3	2.94
June	8,998	317	2.22	63.05	5.32	99.2	324,142	317,528	5.42	5.54	101.0	3.05
July	9,979	354	2.50	70.63	4.71	103.9	399,566	391,191	5.47	5.58	100.8	3.19
August	11,742	410	2.69	76.96	4.91	143.5	421,843	413,154	5.24	5.35	100.4	3.14
Sept	10,150	355	2.71	77.34	4.93	120.0	315,571	308,882	4.81	4.92	100.9	2.93
October	8,639	301	2.51	72.03	4.90	123.2	269,281	263,756	4.77	4.87	101.4	2.82
November	5,740	208	2.28	62.94	5.22	103.3	226,257	222,019	4.73	4.83	101.2	2.79
December	7,933	277	2.75	78.60	5.05	101.0	263,628	258,780	5.64	5.75	101.8	2.97
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
Year to Date												
2010	95,219	3,351	2.35	66.74	5.03	109.9	3,132,334	3,069,139	5.41	5.52	101.1	3.00
2011	91,435	3,172	3.14	90.63	4.72	99.2	3,289,160	3,229,913	5.05	5.14	101.7	3.10
2012	62,184	2,156	2.22	64.16	5.15	111.0	3,975,532	3,897,724	3.67	3.74	101.3	2.88
Rolling 12 Months Ending in November												
2011	99,367	3,449	3.11	89.66	4.74	99.4	3,552,789	3,488,693	5.10	5.19	101.7	3.09
2012	69,958	2,429	2.24	64.44	5.10	110.7	4,257,720	4,175,424	3.71	3.79	101.4	2.88

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2002 - November 2012

	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												
2002	3,710,847	182,482	1.37	27.96	1.15	87.0	186,271	30,043	4.19	25.98	0.61	76.4
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
2010												
January	376,680	19,830	2.21	42.01	1.20	85.3	5,186	895	14.92	86.41	0.30	75.4
February	343,015	18,198	2.21	41.75	1.18	88.3	2,397	416	14.78	85.23	0.30	78.2
March	401,656	21,348	2.23	41.96	1.20	107.5	4,487	747	13.69	82.23	0.55	201.3
April	359,489	19,062	2.23	41.96	1.25	113.2	2,017	354	15.12	86.17	0.30	90.2
May	374,626	19,964	2.19	41.15	1.28	106.5	2,963	508	15.27	89.08	0.36	86.2
June	342,601	18,471	2.19	40.68	1.22	83.4	4,357	738	14.22	83.97	0.33	87.9
July	370,780	20,113	2.23	41.09	1.12	81.8	6,753	1,125	13.66	81.95	0.41	67.0
August	414,300	21,970	2.23	42.11	1.25	90.1	4,622	777	14.55	86.52	0.27	75.1
Sept	404,409	21,646	2.20	41.04	1.23	103.2	4,031	678	13.97	83.02	0.31	95.5
October	412,301	22,106	2.15	40.10	1.23	115.5	3,720	626	15.45	91.85	0.35	135.1
November	387,870	20,899	2.15	39.94	1.19	106.9	3,898	679	16.19	92.92	0.36	120.4
December	368,173	19,977	2.18	40.13	1.18	84.9	5,167	876	16.62	97.98	0.31	87.6
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
Year to Date												
2010	4,187,725	223,608	2.20	41.24	1.21	97.2	44,431	7,544	14.59	85.94	0.36	90.2
2011	3,943,136	214,074	2.29	42.16	1.25	95.6	38,142	6,507	20.12	117.92	0.50	104.6
2012	3,780,996	203,808	2.27	42.12	1.44	107.4	25,149	4,298	22.55	131.94	0.46	93.3
Rolling 12 Months Ending in November												
2011	4,311,309	234,051	2.28	41.99	1.24	94.6	43,309	7,383	19.70	115.55	0.48	102.3
2012	4,130,144	223,029	2.26	41.91	1.42	106.7	28,607	4,887	22.53	131.84	0.46	97.2

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2002 - November 2012 (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												
2002	47,805	1,639	1.03	29.98	4.85	44.4	3,198,108	3,126,308	3.55	3.63	91.6	2.42
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
2010												
January	3,804	133	1.44	41.35	3.37	101.7	308,109	301,125	6.75	6.90	100.1	4.32
February	2,918	101	1.48	42.64	3.46	77.2	274,889	268,803	5.95	6.08	100.4	3.91
March	3,499	121	1.63	47.30	3.33	101.4	256,384	250,712	5.06	5.17	100.7	3.39
April	1,376	47	1.08	31.18	4.33	40.8	267,989	261,844	4.48	4.58	100.2	3.22
May	2,468	86	1.78	50.77	3.83	62.4	306,425	299,565	4.55	4.65	100.6	3.30
June	2,619	91	1.75	50.31	4.00	60.0	401,342	392,478	5.01	5.12	100.3	3.77
July	2,705	95	1.94	55.02	4.47	58.5	522,419	510,999	5.04	5.15	100.4	3.94
August	1,779	64	2.26	63.33	3.98	59.1	546,215	534,075	4.72	4.82	100.5	3.70
Sept	1,349	47	2.36	67.67	3.01	61.5	401,881	393,000	4.27	4.36	100.6	3.28
October	3,342	117	2.01	57.26	3.88	116.1	321,547	314,248	4.00	4.09	101.3	3.02
November	2,286	80	1.76	50.12	4.24	80.2	285,549	279,359	4.23	4.33	100.8	3.10
December	1,933	67	1.63	46.81	4.67	57.6	319,863	312,895	5.49	5.62	100.9	3.81
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
Year to Date												
2010	28,146	983	1.75	50.00	3.78	73.6	3,892,748	3,806,208	4.89	5.00	100.5	3.55
2011	30,160	1,052	2.47	70.94	4.49	81.5	3,898,880	3,813,683	4.69	4.80	100.8	3.56
2012	24,146	840	3.12	89.57	5.36	110.3	4,832,583	4,718,863	3.16	3.24	100.3	2.83
Rolling 12 Months Ending in November												
2011	32,093	1,119	W	W	4.50	79.5	4,218,743	4,126,578	4.75	4.86	100.8	W
2012	27,629	964	W	W	5.33	112.0	5,185,744	5,063,796	3.21	3.29	100.3	W

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Notes:
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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, 2002 - November 2012

	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												
2002	9,580	399	2.10	50.44	2.59	28.4	503	91	5.38	29.73	0.02	7.5
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
2010												
January	3,452	162	2.79	59.44	1.73	83.9	NM	NM	NM	NM	0.43	77.6
February	3,364	156	2.87	61.93	1.78	93.2	NM	NM	NM	NM	0.38	73.4
March	3,478	161	2.90	62.65	1.64	107.7	NM	NM	NM	NM	0.45	330.9
April	2,983	137	2.80	61.12	1.47	116.7	NM	NM	NM	NM	0.23	81.8
May	2,820	132	2.71	58.00	1.41	111.4	NM	NM	NM	NM	0.48	106.2
June	2,874	132	2.99	65.29	1.97	97.6	NM	NM	NM	NM	0.42	116.2
July	2,933	132	2.83	62.64	2.07	93.4	NM	NM	NM	NM	0.35	72.4
August	3,381	157	2.79	60.14	1.87	103.2	NM	NM	NM	NM	0.41	58.4
Sept	3,045	141	2.85	61.82	1.84	105.8	NM	NM	NM	NM	0.35	122.5
October	2,864	133	2.82	60.52	1.71	109.9	NM	NM	NM	NM	0.31	283.6
November	3,365	155	2.86	62.19	1.75	121.1	NM	NM	NM	NM	0.35	145.5
December	3,217	151	2.69	57.30	1.96	91.5	NM	NM	NM	NM	0.31	89.2
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
Year to Date												
2010	34,560	1,596	2.84	61.41	1.75	102.6	2,153	359	15.01	89.98	0.39	108.7
2011	32,832	1,540	2.93	62.40	1.79	100.8	1,849	306	19.52	117.88	0.55	105.8
2012	27,911	1,335	2.80	58.52	1.85	95.5	1,837	310	21.84	129.43	0.50	139.1
Rolling 12 Months Ending in November												
2011	36,049	1,691	2.91	61.94	1.80	99.9	NM	NM	NM	NM	0.52	103.5
2012	NM	NM	NM	NM	1.83	96.3	NM	NM	NM	NM	0.50	140.3

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2002 - November 2012 (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												
2002	--	--	--	--	--	--	18,671	18,256	3.44	3.52	24.7	3.03
2003	--	--	--	--	--	--	18,169	17,827	4.96	5.06	30.5	4.02
2004	--	--	--	--	--	--	16,176	15,804	5.93	6.07	21.9	4.58
2005	--	--	--	--	--	--	17,600	17,142	8.38	8.60	25.2	6.25
2006	--	--	--	--	--	--	21,369	20,819	8.33	8.55	30.7	6.42
2007	--	--	--	--	--	--	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
2010												
January	38	1	NM	NM	5.45	100.4	7,928	7,757	6.92	7.07	107.0	5.82
February	NM	NM	NM	NM	5.45	99.4	7,189	7,040	6.55	6.69	106.3	5.51
March	41	2	NM	NM	5.45	104.6	7,062	6,916	5.83	5.96	105.1	5.19
April	20	1	NM	NM	5.45	81.3	6,394	6,258	5.09	5.20	104.5	4.48
May	NM	NM	NM	NM	5.45	--	6,102	5,980	5.10	5.21	104.2	4.55
June	NM	NM	NM	NM	5.45	--	6,583	6,449	5.25	5.36	104.3	4.74
July	NM	NM	NM	NM	5.83	--	8,579	8,397	5.24	5.36	103.5	4.83
August	NM	NM	NM	NM	5.83	98.0	9,335	9,139	5.09	5.20	103.8	4.58
Sept	NM	NM	NM	NM	5.83	83.1	7,936	7,765	4.65	4.75	103.8	4.30
October	42	2	NM	NM	5.83	120.6	7,954	7,785	4.69	4.80	104.8	4.47
November	NM	NM	NM	NM	5.83	93.1	7,758	7,601	4.67	4.76	106.6	4.24
December	58	2	NM	NM	5.83	110.3	9,235	9,043	5.63	5.75	106.9	5.09
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	--	NM	NM	5.40	5.52	106.3	W
May	NM	NM	W	W	5.83	--	NM	NM	5.28	5.39	105.7	W
June	NM	NM	W	W	5.83	--	NM	NM	5.40	5.51	106.3	W
July	NM	NM	W	W	5.83	--	NM	NM	5.24	5.35	104.5	W
August	NM	NM	W	W	5.83	--	NM	NM	5.09	5.20	106.4	W
Sept	NM	NM	W	W	5.83	--	NM	NM	4.92	5.04	108.2	W
October	NM	NM	W	W	5.27	--	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	--	--	--	--	--	--	NM	NM	NM	NM	104.6	NM
June	--	--	--	--	--	--	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
Year to Date												
2010	353	13	2.15	59.50	5.64	124.8	82,820	81,087	5.36	5.48	104.9	4.80
2011	225	8	W	W	5.49	163.1	85,952	84,161	5.26	5.38	107.0	W
2012	317	11	W	W	5.59	98.7	92,419	90,379	3.83	3.92	104.8	W
Rolling 12 Months Ending in November												
2011	NM	NM	W	W	5.56	95.7	NM	NM	5.30	5.41	107.0	W
2012	NM	NM	W	W	5.55	98.7	NM	NM	NM	NM	105.1	W

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Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2002 - November 2012

	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												
2002	294,234	13,659	1.45	31.29	1.56	52.1	29,137	4,638	3.55	22.33	1.24	26.5
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
2010												
January	34,732	1,580	2.79	61.38	1.32	75.5	4,869	811	12.80	76.83	0.94	140.8
February	35,539	1,606	2.83	62.50	1.28	81.2	2,888	477	12.58	76.17	1.19	97.5
March	41,435	1,865	2.80	62.26	1.30	87.8	2,546	422	12.80	77.21	1.06	121.4
April	37,998	1,713	2.76	61.15	1.25	77.2	1,616	271	13.57	80.84	1.03	84.1
May	38,477	1,743	2.72	59.95	1.20	86.7	2,427	406	12.92	77.32	0.86	136.6
June	42,012	2,008	2.71	56.76	1.14	105.8	2,655	444	12.67	75.80	0.83	172.6
July	39,484	1,797	2.75	60.33	1.24	84.7	2,876	482	12.77	76.20	0.77	143.4
August	45,083	2,150	2.68	56.26	1.25	98.0	2,922	487	12.69	76.05	0.93	177.9
Sept	39,511	1,795	2.80	61.55	1.23	92.5	2,454	412	12.85	76.49	0.84	152.2
October	39,628	1,808	2.74	60.11	1.27	92.4	NM	NM	NM	NM	0.92	99.6
November	38,003	1,732	2.74	60.17	1.31	93.4	2,347	396	14.71	87.06	0.90	107.5
December	37,089	1,694	2.74	60.05	1.36	75.4	3,487	579	14.82	89.26	0.91	112.4
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
Year to Date												
2010	431,901	19,797	2.75	60.08	1.25	88.4	29,790	4,975	13.02	77.97	0.93	127.3
2011	434,451	20,247	2.93	62.86	1.33	99.3	26,982	4,549	17.53	103.99	1.07	146.7
2012	393,849	18,508	3.00	63.89	1.47	97.8	17,124	2,862	19.18	114.79	0.92	135.4
Rolling 12 Months Ending in November												
2011	471,540	21,942	2.91	62.64	1.33	96.9	NM	NM	NM	NM	1.05	141.8
2012	435,505	20,465	3.00	63.80	1.46	98.1	NM	NM	19.22	114.97	0.95	133.9

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

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

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2002 - November 2012 (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												
2002	3,846	138	0.76	21.20	5.91	9.1	852,547	828,439	3.36	3.46	66.8	2.88
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
2010												
January	NM	NM	1.98	55.72	4.49	85.0	103,441	100,700	6.06	6.23	111.9	5.43
February	NM	NM	1.89	53.71	4.80	53.5	92,052	89,617	5.62	5.77	112.6	4.97
March	NM	NM	2.28	64.61	4.83	80.7	96,305	93,754	4.89	5.02	112.3	4.38
April	3,134	110	2.31	65.60	5.05	125.6	89,012	86,651	4.19	4.31	110.1	3.85
May	2,812	99	2.36	67.00	4.99	99.2	93,846	91,314	4.37	4.49	112.0	4.02
June	NM	NM	2.29	64.41	4.96	84.4	95,210	92,629	4.58	4.71	109.8	4.14
July	3,445	123	2.54	71.36	4.65	112.3	103,153	100,425	4.82	4.95	109.9	4.37
August	4,313	153	2.71	76.26	4.73	133.3	106,486	103,638	4.69	4.82	109.3	4.22
Sept	3,742	133	2.68	75.58	5.01	130.2	96,833	94,214	4.02	4.13	108.3	3.79
October	NM	NM	2.66	75.62	4.87	99.7	95,174	92,702	3.92	4.03	110.4	3.71
November	2,862	101	2.47	69.84	5.18	91.0	93,589	91,184	3.74	3.84	111.3	3.62
December	3,383	120	2.71	76.42	5.17	113.3	101,666	99,087	4.65	4.77	107.5	4.36
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
Year to Date												
2010	32,483	1,149	2.43	68.65	4.87	99.3	1,065,102	1,036,829	4.64	4.77	110.7	4.23
2011	33,609	1,195	W	W	5.00	104.9	1,216,402	1,183,976	4.34	4.46	122.4	W
2012	37,452	1,320	W	W	5.85	78.7	1,234,677	1,205,051	2.95	3.02	116.3	W
Rolling 12 Months Ending in November												
2011	36,992	1,315	W	W	5.02	105.6	1,318,067	1,283,063	4.36	4.48	121.1	W
2012	41,825	1,476	W	W	5.78	82.7	1,350,252	1,317,703	3.01	3.08	116.4	W

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

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

Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, November 2012 and 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	158	213	-26.0%	28	143	124	67	--	--	NM	3
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	5	6	-16.0%	--	--	4	5	--	--	2	2
Massachusetts	125	64	95.0%	--	--	121	63	--	--	NM	NM
New Hampshire	28	143	-81.0%	28	143	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	4,176	4,360	-4.2%	NM	764	4,071	3,487	NM	NM	101	106
New Jersey	106	134	-21.0%	--	--	106	134	--	--	--	--
New York	230	313	-27.0%	NM	1	204	286	NM	NM	24	25
Pennsylvania	3,840	3,913	-1.9%	--	763	3,761	3,067	NM	NM	NM	81
East North Central	15,006	17,075	-12.0%	9,420	11,262	5,166	5,329	29	38	390	446
Illinois	5,151	5,617	-8.3%	545	1,518	4,354	3,843	10	11	242	245
Indiana	3,329	3,579	-7.0%	2,962	3,135	345	422	14	12	NM	NM
Michigan	1,678	2,302	-27.0%	1,634	2,234	11	23	--	8	33	36
Ohio	2,910	3,551	-18.0%	2,413	2,470	456	1,041	NM	NM	40	39
Wisconsin	1,938	2,026	-4.4%	1,866	1,904	--	--	NM	NM	67	116
West North Central	11,528	13,151	-12.0%	11,075	12,713	--	--	28	28	425	410
Iowa	2,238	2,257	-0.8%	1,983	2,021	--	--	NM	20	239	216
Kansas	1,327	1,770	-25.0%	1,327	1,770	--	--	--	--	--	--
Minnesota	1,390	1,734	-20.0%	1,291	1,622	--	--	NM	NM	96	110
Missouri	3,156	4,068	-22.0%	3,137	4,050	--	--	10	6	NM	NM
Nebraska	1,254	1,207	3.9%	1,198	1,158	--	--	--	--	56	48
North Dakota	1,973	2,025	-2.6%	1,950	2,002	--	--	--	--	NM	23
South Dakota	189	89	112.0%	189	89	--	--	--	--	--	--
South Atlantic	10,507	11,836	-11.0%	7,957	9,692	2,251	1,793	NM	14	287	337
Delaware	71	58	22.0%	--	--	71	58	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,763	1,892	-6.8%	1,714	1,775	27	91	--	--	NM	26
Georgia	1,747	2,742	-36.0%	1,690	2,651	--	--	--	--	57	91
Maryland	784	758	3.4%	--	--	751	723	--	--	32	35
North Carolina	1,653	1,832	-9.8%	1,540	1,713	71	74	8	12	34	34
South Carolina	882	1,194	-26.0%	869	1,153	--	14	--	--	13	28
Virginia	638	576	11.0%	430	397	108	92	NM	NM	95	84
West Virginia	2,969	2,784	6.6%	1,713	2,002	1,221	742	--	--	34	40
East South Central	7,470	7,597	-1.7%	6,944	7,122	359	300	NM	NM	163	172
Alabama	2,081	2,121	-1.9%	2,048	2,086	NM	NM	--	--	29	31
Kentucky	3,187	3,506	-9.1%	3,187	3,506	--	--	--	--	--	--
Mississippi	557	670	-17.0%	202	374	356	296	--	--	--	--
Tennessee	1,645	1,300	27.0%	1,507	1,156	--	--	NM	NM	135	141
West South Central	12,856	13,893	-7.5%	6,192	6,952	6,590	6,851	--	--	NM	90
Arkansas	1,431	1,541	-7.2%	1,159	1,333	263	197	--	--	NM	11
Louisiana	1,491	1,421	4.9%	746	858	743	561	--	--	NM	NM
Oklahoma	1,670	1,858	-10.0%	1,524	1,663	105	145	--	--	NM	49
Texas	8,264	9,073	-8.9%	2,764	3,097	5,479	5,947	--	--	NM	NM
Mountain	9,860	9,423	4.6%	8,551	8,066	1,165	1,193	--	--	143	165
Arizona	2,039	1,997	2.1%	2,007	1,965	--	--	--	--	NM	32
Colorado	1,650	1,517	8.7%	1,633	1,498	NM	19	--	--	--	--
Idaho	NM	NM	NM	--	--	--	--	--	--	NM	NM
Montana	1,033	1,052	-1.7%	NM	31	1,003	1,016	--	--	NM	NM
Nevada	134	148	-9.6%	73	72	61	76	--	--	--	--
New Mexico	1,197	1,191	0.5%	1,197	1,191	--	--	--	--	--	--
Utah	1,217	1,147	6.1%	1,176	1,102	NM	32	--	--	4	13
Wyoming	2,580	2,361	9.3%	2,439	2,207	48	49	--	--	93	105
Pacific Contiguous	733	877	-16.0%	246	250	411	548	--	--	76	79
California	105	147	-29.0%	--	--	39	79	--	--	66	68
Oregon	246	250	-1.6%	246	250	--	--	--	--	--	--
Washington	382	479	-20.0%	--	--	372	468	--	--	10	11
Pacific Noncontiguous	104	171	-39.0%	NM	NM	NM	81	50	54	NM	NM
Alaska	97	101	-3.5%	NM	NM	NM	20	50	54	--	--
Hawaii	NM	70	NM	--	--	--	62	--	--	NM	NM
U.S. Total	72,397	78,595	-7.9%	50,443	56,990	20,159	19,649	124	140	1,671	1,816

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values for 2011 are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) November 2012 and 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	1,112	3,412	-67.0%	323	999	723	2,338	--	--	65	75
Connecticut	27	349	-92.0%	--	--	27	349	--	--	--	--
Maine	45	57	-20.0%	--	--	28	36	--	--	17	20
Massachusetts	716	2,007	-64.0%	--	--	668	1,952	--	--	48	54
New Hampshire	323	999	-68.0%	323	999	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	40,590	51,878	-22.0%	NM	8,222	39,362	42,237	23	26	1,191	1,392
New Jersey	989	1,974	-50.0%	--	--	989	1,974	--	--	--	--
New York	1,967	5,104	-61.0%	NM	16	1,647	4,718	NM	NM	300	363
Pennsylvania	37,634	44,800	-16.0%	--	8,206	36,726	35,546	NM	19	891	1,029
East North Central	166,322	188,031	-12.0%	101,756	124,125	59,732	58,547	364	481	4,469	4,877
Illinois	57,228	60,642	-5.6%	5,689	14,363	48,848	43,308	71	82	2,620	2,889
Indiana	35,399	40,390	-12.0%	31,444	35,627	3,702	4,486	162	175	92	103
Michigan	21,057	23,563	-11.0%	20,510	22,885	192	160	67	153	287	364
Ohio	33,813	41,305	-18.0%	26,374	30,253	6,990	10,593	NM	NM	439	447
Wisconsin	18,825	22,131	-15.0%	17,740	20,997	--	--	54	60	1,031	1,074
West North Central	129,891	137,618	-5.6%	125,287	132,776	--	--	291	338	4,313	4,504
Iowa	23,374	24,525	-4.7%	20,707	21,772	--	--	200	222	2,467	2,531
Kansas	16,641	18,160	-8.4%	16,641	18,160	--	--	--	--	--	--
Minnesota	12,785	16,796	-24.0%	11,804	15,752	--	--	NM	NM	960	1,022
Missouri	40,376	41,236	-2.1%	40,193	41,002	--	--	70	94	114	139
Nebraska	13,959	14,101	-1.0%	13,420	13,536	--	--	--	--	539	566
North Dakota	21,040	21,238	-0.9%	20,807	20,993	--	--	--	--	233	246
South Dakota	1,714	1,561	9.8%	1,714	1,561	--	--	--	--	--	--
South Atlantic	110,533	136,337	-19.0%	87,664	111,074	19,525	21,288	104	136	3,241	3,840
Delaware	596	517	15.0%	--	--	596	517	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	16,925	20,830	-19.0%	15,878	19,227	788	1,316	--	--	258	287
Georgia	21,535	28,439	-24.0%	21,006	27,665	--	--	--	--	529	774
Maryland	6,205	9,089	-32.0%	--	--	5,849	8,700	--	--	356	389
North Carolina	18,875	24,591	-23.0%	17,536	23,067	869	977	NM	85	411	462
South Carolina	10,890	13,549	-20.0%	10,612	13,057	46	145	--	--	232	347
Virginia	6,674	10,436	-36.0%	4,844	7,800	768	1,452	44	51	1,017	1,133
West Virginia	28,834	28,886	-0.2%	17,787	20,258	10,609	8,181	--	--	438	447
East South Central	81,752	90,251	-9.4%	76,238	85,753	3,547	2,397	42	49	1,925	2,052
Alabama	23,120	25,280	-8.5%	22,745	24,854	42	47	--	--	333	379
Kentucky	36,012	37,970	-5.2%	36,012	37,970	--	--	--	--	--	--
Mississippi	5,973	5,934	0.7%	2,468	3,583	3,505	2,350	--	--	--	--
Tennessee	16,647	21,068	-21.0%	15,013	19,346	--	--	42	49	1,592	1,673
West South Central	139,858	148,219	-5.6%	71,347	75,275	67,699	72,084	--	--	811	860
Arkansas	15,537	16,139	-3.7%	13,225	13,966	2,202	2,051	--	--	110	122
Louisiana	14,522	14,399	0.9%	7,352	7,642	7,151	6,735	--	--	NM	22
Oklahoma	18,015	17,926	0.5%	16,438	16,254	1,126	1,197	--	--	451	475
Texas	91,783	99,754	-8.0%	34,332	37,413	57,220	62,100	--	--	231	241
Mountain	101,363	103,782	-2.3%	89,974	91,554	9,677	10,420	--	--	1,712	1,808
Arizona	21,616	21,161	2.2%	21,269	20,824	--	--	--	--	347	337
Colorado	17,493	18,214	-4.0%	17,293	17,989	201	225	--	--	--	--
Idaho	112	122	-8.1%	--	--	--	--	--	--	112	122
Montana	8,333	8,954	-6.9%	255	266	8,039	8,646	--	--	NM	NM
Nevada	2,142	2,995	-28.0%	1,568	2,327	573	669	--	--	--	--
New Mexico	13,265	14,852	-11.0%	13,265	14,852	--	--	--	--	--	--
Utah	12,733	14,259	-11.0%	12,113	13,609	397	396	--	--	223	253
Wyoming	25,667	23,225	11.0%	24,210	21,686	468	485	--	--	989	1,054
Pacific Contiguous	4,993	6,632	-25.0%	1,563	2,061	2,732	3,820	--	--	698	750
California	1,173	1,434	-18.0%	--	--	565	766	--	--	608	668
Oregon	1,563	2,061	-24.0%	1,563	2,061	--	--	--	--	--	--
Washington	2,257	3,137	-28.0%	--	--	2,167	3,054	--	--	91	82
Pacific Noncontiguous	1,669	1,824	-8.5%	266	281	811	942	510	510	82	91
Alaska	980	1,007	-2.8%	266	281	203	216	510	510	--	--
Hawaii	690	817	-16.0%	--	--	608	726	--	--	82	91
U.S. Total	778,083	867,983	-10.0%	554,432	632,122	203,808	214,074	1,335	1,540	18,508	20,247

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

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, November 2012 and 2011
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Connecticut	NM	NM	NM	NM	NM	NM	NM	NM	--	NM	NM
Maine	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Massachusetts	NM	NM	NM	NM	NM	NM	NM	NM	1	NM	NM
New Hampshire	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	*	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Middle Atlantic	261	477	-45.0%	69	138	175	299	NM	NM	NM	NM
New Jersey	NM	114	NM	NM	NM	NM	108	NM	NM	NM	NM
New York	206	297	-31.0%	68	136	124	128	NM	NM	NM	NM
Pennsylvania	NM	66	NM	NM	NM	NM	63	NM	NM	NM	NM
East North Central	174	145	20.0%	75	122	24	16	NM	NM	72	NM
Illinois	18	13	40.0%	NM	NM	14	8	NM	NM	NM	NM
Indiana	96	40	139.0%	26	37	NM	NM	NM	NM	71	2
Michigan	24	24	0.6%	21	20	--	--	NM	NM	1	2
Ohio	22	55	-59.0%	13	49	9	6	NM	NM	*	--
Wisconsin	13	NM	NM	12	NM	NM	NM	NM	NM	NM	NM
West North Central	56	52	7.0%	53	49	NM	NM	NM	NM	NM	NM
Iowa	16	14	17.0%	16	13	NM	NM	NM	--	NM	NM
Kansas	NM	NM	NM	NM	NM	--	--	--	--	--	--
Minnesota	NM	NM	NM	6	NM	NM	NM	NM	NM	NM	NM
Missouri	NM	11	NM	NM	10	NM	NM	NM	NM	--	--
Nebraska	5	6	-20.0%	5	6	--	--	--	--	--	--
North Dakota	NM	NM	NM	12	8	--	--	NM	--	NM	NM
South Dakota	NM	4	NM	NM	4	NM	NM	NM	--	--	--
South Atlantic	NM	338	NM	90	160	NM	52	NM	NM	NM	NM
Delaware	NM	8	NM	NM	NM	NM	8	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	NM	NM	44	16	NM	NM	--	--	NM	NM
Georgia	NM	NM	NM	11	12	NM	NM	NM	NM	NM	NM
Maryland	29	37	-22.0%	NM	NM	24	35	NM	NM	3	*
North Carolina	NM	NM	NM	13	55	NM	NM	NM	NM	NM	NM
South Carolina	NM	38	NM	10	NM	--	--	NM	NM	NM	20
Virginia	NM	NM	NM	5	29	5	NM	NM	*	NM	NM
West Virginia	5	29	-82.0%	5	28	--	1	--	--	--	--
East South Central	NM	298	NM	27	253	NM	NM	--	--	NM	NM
Alabama	NM	91	NM	8	51	NM	NM	--	--	NM	NM
Kentucky	14	20	-30.0%	14	20	--	--	--	--	--	--
Mississippi	NM	NM	NM	3	NM	--	--	--	--	NM	NM
Tennessee	NM	151	NM	3	148	--	--	--	--	NM	NM
West South Central	NM	NM	NM	7	NM	8	17	NM	NM	NM	NM
Arkansas	NM	NM	NM	--	NM	1	5	--	--	NM	NM
Louisiana	NM	NM	NM	NM	NM	2	5	--	--	NM	NM
Oklahoma	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Texas	NM	NM	NM	6	3	5	7	NM	NM	NM	NM
Mountain	51	52	-2.7%	46	49	NM	3	NM	NM	NM	NM
Arizona	10	8	34.0%	10	7	--	--	NM	NM	NM	NM
Colorado	NM	NM	NM	NM	NM	--	--	NM	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	NM	NM	NM	NM	NM	NM	NM	--	--	--	--
Nevada	2	4	-54.0%	1	3	*	1	--	--	--	--
New Mexico	21	3	593.0%	20	2	NM	1	--	--	NM	NM
Utah	NM	NM	NM	NM	NM	NM	NM	--	--	--	--
Wyoming	6	11	-51.0%	5	11	--	--	--	--	NM	NM
Pacific Contiguous	NM	NM	NM	11	13	NM	NM	NM	NM	NM	NM
California	NM	NM	NM	4	NM	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	--	--	--	--	NM	NM	NM	NM
Washington	NM	NM	NM	7	6	NM	NM	NM	NM	NM	NM
Pacific Noncontiguous	1,099	1,349	-18.0%	841	1,062	200	217	NM	NM	NM	NM
Alaska	150	172	-13.0%	138	160	--	--	NM	NM	NM	NM
Hawaii	950	1,176	-19.0%	703	902	200	217	NM	NM	NM	NM
U.S. Total	2,016	2,898	-30.0%	1,227	1,853	473	635	NM	NM	295	NM

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

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) November 2012 and 2011
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	885	2,237	-60.0%	NM	NM	387	1,147	NM	209	297	772
Connecticut	197	251	-22.0%	NM	NM	172	206	NM	--	NM	NM
Maine	377	1,270	-70.0%	NM	NM	NM	528	NM	NM	279	732
Massachusetts	184	464	-60.0%	NM	NM	124	411	44	NM	NM	NM
New Hampshire	NM	154	NM	NM	NM	NM	NM	NM	114	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	1	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Middle Atlantic	2,153	3,175	-32.0%	704	1,038	1,129	1,861	125	NM	195	NM
New Jersey	99	515	-81.0%	NM	NM	78	268	NM	NM	NM	NM
New York	1,485	1,812	-18.0%	696	807	514	791	120	NM	155	NM
Pennsylvania	569	849	-33.0%	NM	NM	537	803	NM	NM	NM	NM
East North Central	1,344	1,394	-3.6%	898	1,129	163	179	NM	NM	263	62
Illinois	132	155	-15.0%	43	56	89	99	NM	NM	NM	NM
Indiana	433	319	36.0%	196	278	NM	NM	NM	NM	236	35
Michigan	254	316	-20.0%	223	288	*	*	NM	NM	12	9
Ohio	442	517	-15.0%	362	433	68	77	NM	NM	11	7
Wisconsin	83	87	-4.8%	73	74	6	NM	NM	NM	NM	NM
West North Central	593	657	-9.7%	565	599	NM	NM	NM	NM	NM	NM
Iowa	179	140	28.0%	175	137	NM	NM	NM	NM	NM	NM
Kansas	83	85	-2.5%	83	85	--	--	--	--	--	--
Minnesota	NM	65	NM	38	40	NM	5	NM	NM	NM	NM
Missouri	164	194	-15.0%	164	191	NM	NM	NM	NM	--	NM
Nebraska	34	57	-41.0%	34	57	--	--	--	--	--	--
North Dakota	77	100	-24.0%	65	75	--	--	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	14	NM	NM	NM	NM	--	--
South Atlantic	3,403	9,389	-64.0%	1,823	6,770	NM	809	NM	NM	1,128	1,795
Delaware	44	93	-52.0%	NM	NM	42	89	--	--	--	--
District of Columbia	NM	215	NM	--	--	NM	215	--	--	--	--
Florida	825	5,141	-84.0%	555	4,594	NM	NM	--	--	204	481
Georgia	476	661	-28.0%	221	255	NM	NM	NM	NM	248	397
Maryland	240	334	-28.0%	NM	NM	149	289	NM	NM	74	25
North Carolina	515	634	-19.0%	281	294	NM	NM	NM	NM	231	NM
South Carolina	473	507	-6.6%	248	215	--	--	NM	NM	225	290
Virginia	584	1,518	-62.0%	275	1,127	158	114	4	8	146	NM
West Virginia	233	285	-18.0%	224	262	10	23	--	--	--	--
East South Central	581	1,050	-45.0%	383	723	NM	NM	--	--	192	312
Alabama	257	416	-38.0%	93	142	NM	NM	--	--	158	258
Kentucky	190	218	-13.0%	190	218	--	--	--	--	--	--
Mississippi	NM	106	NM	23	NM	--	--	--	--	NM	13
Tennessee	100	310	-68.0%	77	270	--	--	--	--	NM	NM
West South Central	310	426	-27.0%	111	169	151	159	NM	NM	NM	NM
Arkansas	68	90	-24.0%	35	28	22	38	--	--	NM	NM
Louisiana	NM	NM	NM	18	35	27	30	--	--	NM	NM
Oklahoma	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Texas	161	211	-24.0%	43	90	103	91	NM	NM	NM	NM
Mountain	457	453	0.9%	393	389	56	55	NM	NM	NM	NM
Arizona	83	106	-22.0%	77	101	--	--	NM	NM	NM	6
Colorado	NM	57	NM	NM	55	*	--	NM	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	44	46	-3.3%	NM	NM	37	38	--	--	--	--
Nevada	35	26	37.0%	26	18	9	7	--	--	--	--
New Mexico	102	50	105.0%	93	41	NM	9	--	--	NM	NM
Utah	74	78	-5.2%	73	77	NM	NM	--	--	--	--
Wyoming	83	91	-9.0%	81	89	--	--	--	--	NM	NM
Pacific Contiguous	331	524	-37.0%	82	77	NM	NM	NM	NM	NM	415
California	97	NM	NM	60	55	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	14	12	--	--	NM	NM	NM	NM
Washington	209	426	-51.0%	8	9	14	15	NM	NM	NM	399
Pacific Noncontiguous	12,911	14,271	-9.5%	10,470	11,211	1,911	2,246	NM	NM	516	799
Alaska	1,588	1,492	6.5%	1,485	1,388	--	--	NM	NM	92	93
Hawaii	11,323	12,779	-11.0%	8,985	9,824	1,911	2,246	3	NM	424	706
U.S. Total	22,969	33,576	-32.0%	15,499	22,214	4,298	6,507	310	306	2,862	4,549

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Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, November 2012 and 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	5	NM	--	--	NM	NM	--	--	NM	5
New Jersey	NM	NM	NM	--	--	--	--	--	--	NM	NM
New York	NM	NM	NM	--	--	NM	NM	--	--	--	--
Pennsylvania	NM	4	NM	--	--	--	--	--	--	NM	4
East North Central	95	108	-12.0%	8	--	47	54	--	--	40	54
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	27	NM	--	--	2	4	--	--	NM	24
Ohio	60	66	-8.7%	--	--	45	50	--	--	NM	NM
Wisconsin	22	15	52.0%	8	--	--	--	--	--	14	15
West North Central	1	NM	NM	--	--	--	--	1	NM	--	--
Iowa	1	NM	NM	--	--	--	--	1	NM	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	55	129	-57.0%	40	100	--	--	--	--	16	29
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	40	100	-60.0%	40	100	--	--	--	--	--	--
Georgia	16	29	-46.0%	--	--	--	--	--	--	16	29
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	37	65	-44.0%	37	65	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	37	65	-44.0%	37	65	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	208	108	92.0%	137	88	--	*	--	--	71	20
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	157	106	47.0%	137	88	--	--	--	--	NM	18
Oklahoma	NM	*	NM	--	--	--	--	--	--	NM	*
Texas	51	NM	NM	--	--	--	*	--	--	51	NM
Mountain	19	20	-3.0%	--	--	19	20	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	19	20	-3.0%	--	--	19	20	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	28	NM	--	--	NM	20	--	--	NM	NM
California	NM	28	NM	--	--	NM	20	--	--	NM	NM
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	430	464	-7.3%	221	253	69	94	1	NM	139	117

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(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	73	NM	--	--	NM	23	--	--	NM	50
New Jersey	NM	NM	NM	--	--	--	--	--	--	NM	NM
New York	NM	23	NM	--	--	NM	23	--	--	--	--
Pennsylvania	NM	45	NM	--	--	--	--	--	--	NM	45
East North Central	1,029	1,281	-20.0%	158	382	472	427	--	--	399	472
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	114	268	-57.0%	114	268	--	--	--	--	--	--
Michigan	140	157	-11.0%	--	--	31	26	--	--	109	131
Ohio	587	592	-0.8%	--	--	442	401	--	--	146	191
Wisconsin	188	264	-29.0%	44	114	--	--	--	--	145	150
West North Central	12	26	-54.0%	NM	18	--	--	11	8	--	--
Iowa	12	23	-49.0%	NM	15	--	--	11	8	--	--
Kansas	--	3	-100.0%	--	3	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	644	1,301	-50.0%	490	1,024	--	--	--	--	155	277
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	490	1,024	-52.0%	490	1,024	--	--	--	--	--	--
Georgia	155	277	-44.0%	--	--	--	--	--	--	155	277
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	476	449	5.9%	476	449	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	476	449	5.9%	476	449	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,711	1,595	7.3%	1,032	1,299	36	NM	--	--	643	284
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,229	1,555	-21.0%	1,032	1,299	--	--	--	--	198	256
Oklahoma	NM	5	NM	--	--	--	--	--	--	NM	5
Texas	478	35	NM	--	--	36	NM	--	--	442	23
Mountain	227	249	-8.9%	--	--	227	249	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	227	249	-8.9%	--	--	227	249	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	186	452	-59.0%	--	--	101	341	--	--	85	111
California	186	452	-59.0%	--	--	101	341	--	--	85	111
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	4,328	5,426	-20.0%	2,156	3,172	840	1,052	11	8	1,320	1,195

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values for 2011 are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, November 2012 and 2011
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	33,516	40,009	-16.0%	343	328	29,962	35,716	927	1,134	2,284	2,831
Connecticut	11,880	10,273	16.0%	60	63	11,342	9,446	187	NM	292	NM
Maine	3,338	4,546	-27.0%	--	--	1,605	2,545	NM	NM	1,732	2,000
Massachusetts	12,467	14,681	-15.0%	242	163	11,368	13,534	618	NM	239	NM
New Hampshire	2,291	4,394	-48.0%	37	99	2,233	4,259	--	--	NM	NM
Rhode Island	3,535	6,113	-42.0%	--	--	3,414	5,933	120	NM	--	--
Vermont	4	2	71.0%	4	2	--	--	--	--	--	--
Middle Atlantic	79,860	73,995	7.9%	9,605	8,476	67,717	61,688	798	NM	1,740	2,863
New Jersey	11,749	18,174	-35.0%	--	--	11,121	16,541	122	NM	506	1,440
New York	38,676	30,714	26.0%	9,601	8,472	28,024	21,060	636	NM	416	NM
Pennsylvania	29,435	25,108	17.0%	5	NM	28,572	24,087	NM	NM	819	960
East North Central	37,792	33,555	13.0%	12,359	9,471	20,685	17,935	1,790	1,811	2,958	4,338
Illinois	3,204	2,548	26.0%	110	250	1,824	1,117	534	471	737	710
Indiana	8,429	8,576	-1.7%	4,689	4,697	2,672	2,373	107	NM	961	1,330
Michigan	10,111	9,758	3.6%	1,455	1,836	7,265	6,630	813	898	578	394
Ohio	10,266	8,249	24.0%	3,392	1,028	6,574	5,552	131	NM	169	1,582
Wisconsin	5,783	4,424	31.0%	2,713	1,659	2,350	2,263	205	181	514	322
West North Central	8,784	4,196	109.0%	6,808	2,888	992	346	318	340	666	622
Iowa	1,502	316	375.0%	1,444	256	--	NM	NM	53	NM	8
Kansas	971	834	16.0%	968	833	--	--	--	--	NM	NM
Minnesota	3,845	1,465	162.0%	2,289	607	869	298	275	191	412	369
Missouri	2,049	1,278	60.0%	1,912	1,123	123	NM	8	95	NM	NM
Nebraska	226	267	-15.0%	117	64	--	--	NM	NM	106	202
North Dakota	114	NM	NM	NM	--	--	--	--	--	113	NM
South Dakota	77	5	NM	77	5	--	--	--	--	--	--
South Atlantic	138,428	120,560	15.0%	108,323	91,130	23,493	23,367	NM	NM	6,360	5,960
Delaware	3,094	5,642	-45.0%	16	NM	2,328	4,019	--	--	749	1,603
District of Columbia	62	73	-15.0%	--	73	--	--	62	--	--	--
Florida	78,450	74,234	5.7%	70,650	66,643	5,620	5,542	NM	NM	2,143	2,015
Georgia	22,258	14,003	59.0%	14,727	5,540	5,557	7,344	--	--	1,974	1,120
Maryland	3,274	675	385.0%	--	--	2,978	292	136	NM	161	NM
North Carolina	8,263	8,316	-0.6%	6,414	6,363	1,516	1,606	NM	NM	NM	NM
South Carolina	10,433	8,210	27.0%	9,587	7,517	NM	626	NM	NM	NM	NM
Virginia	12,403	9,352	33.0%	6,918	4,958	4,708	3,913	--	--	NM	NM
West Virginia	190	NM	NM	12	16	99	25	--	--	79	NM
East South Central	53,471	55,772	-4.1%	29,068	27,258	19,733	25,443	NM	NM	4,525	2,918
Alabama	28,730	33,836	-15.0%	8,560	9,037	17,722	22,799	--	--	2,449	2,001
Kentucky	1,573	999	57.0%	1,249	748	NM	13	--	--	280	NM
Mississippi	18,585	19,110	-2.7%	14,881	15,950	1,968	2,631	NM	NM	1,701	NM
Tennessee	4,583	1,826	151.0%	4,378	1,523	--	--	108	NM	96	NM
West South Central	203,204	200,985	1.1%	43,468	46,009	86,437	82,127	NM	NM	72,628	72,227
Arkansas	8,350	6,302	33.0%	416	421	7,129	5,127	NM	NM	NM	NM
Louisiana	40,369	41,308	-2.3%	13,723	13,547	4,520	4,958	NM	NM	22,075	22,754
Oklahoma	15,292	13,486	13.0%	12,082	11,113	2,670	1,954	NM	NM	NM	296
Texas	139,193	139,890	-0.5%	17,247	20,929	72,119	70,088	NM	450	49,356	48,423
Mountain	38,341	41,351	-7.3%	23,743	26,812	NM	13,194	NM	NM	NM	NM
Arizona	8,431	11,769	-28.0%	4,462	6,371	3,883	5,345	NM	NM	NM	--
Colorado	6,322	7,299	-13.0%	3,566	5,784	NM	NM	--	NM	NM	NM
Idaho	1,133	1,535	-26.0%	130	193	868	1,234	--	--	135	108
Montana	84	874	-90.0%	75	852	NM	22	--	--	--	--
Nevada	13,282	10,448	27.0%	9,875	7,626	NM	2,686	NM	NM	NM	96
New Mexico	NM	5,311	NM	2,705	3,227	NM	1,980	NM	NM	NM	37
Utah	NM	3,331	NM	2,914	2,725	545	425	NM	NM	NM	NM
Wyoming	895	783	14.0%	NM	34	NM	NM	--	--	874	743
Pacific Contiguous	98,034	88,690	11.0%	28,468	30,563	52,273	42,048	NM	NM	NM	NM
California	85,972	72,845	18.0%	22,912	22,499	46,540	35,046	NM	NM	NM	NM
Oregon	8,350	9,479	-12.0%	3,164	3,670	4,952	5,507	71	112	163	189
Washington	3,712	6,366	-42.0%	2,393	4,393	781	1,495	146	245	392	233
Pacific Noncontiguous	3,814	3,820	-0.1%	3,737	3,740	--	--	NM	NM	70	75
Alaska	3,814	3,820	-0.1%	3,737	3,740	--	--	NM	NM	70	75
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	695,245	662,933	4.9%	265,923	246,675	314,249	301,865	NM	NM	107,380	106,529

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
See Glossary for definitions. Values for 2011 are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) November 2012 and 2011
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	450,413	446,481	0.9%	4,290	4,113	404,662	401,074	11,351	11,962	30,109	29,332
Connecticut	115,593	106,646	8.4%	779	670	107,374	98,064	2,843	2,921	4,597	4,991
Maine	48,213	50,536	-4.6%	--	--	26,813	30,085	NM	NM	21,385	20,439
Massachusetts	180,539	186,022	-2.9%	2,725	2,351	167,327	172,939	6,689	7,158	3,798	3,573
New Hampshire	47,250	42,635	11.0%	754	1,046	46,168	41,260	--	--	328	NM
Rhode Island	58,785	60,597	-3.0%	--	--	56,979	58,725	1,806	1,872	--	--
Vermont	33	46	-28.0%	33	46	--	--	--	--	--	--
Middle Atlantic	1,075,288	902,010	19.0%	127,730	119,869	914,152	741,392	9,928	9,248	23,479	31,500
New Jersey	216,909	201,186	7.8%	--	--	207,333	184,174	1,880	1,954	7,696	15,058
New York	483,519	411,675	17.0%	127,642	119,824	343,904	280,231	7,341	6,684	4,633	4,936
Pennsylvania	374,860	289,149	30.0%	88	NM	362,915	276,988	707	NM	11,150	11,505
East North Central	665,100	415,599	60.0%	222,946	124,090	380,977	227,527	20,563	17,697	40,614	46,286
Illinois	90,694	63,868	42.0%	13,333	9,642	60,614	37,098	5,618	5,950	11,130	11,178
Indiana	123,040	89,945	37.0%	80,774	48,780	27,638	27,178	1,609	1,706	13,020	12,280
Michigan	199,217	112,345	77.0%	40,669	22,229	142,126	79,803	8,443	5,524	7,978	4,789
Ohio	159,936	99,638	61.0%	42,611	22,182	112,654	60,923	2,093	2,236	2,578	14,296
Wisconsin	92,213	49,804	85.0%	45,559	21,256	37,946	22,524	2,800	2,281	5,908	3,742
West North Central	175,589	119,675	47.0%	140,438	95,735	21,486	13,869	5,416	3,721	8,248	6,349
Iowa	18,145	10,454	74.0%	17,621	10,064	NM	NM	396	306	127	84
Kansas	31,554	29,657	6.4%	31,447	29,630	--	--	--	--	NM	NM
Minnesota	61,288	34,967	75.0%	42,603	20,777	9,793	7,302	3,759	2,750	5,134	4,139
Missouri	50,530	36,742	38.0%	37,550	29,495	11,691	6,567	1,216	629	NM	NM
Nebraska	9,435	5,210	81.0%	8,095	4,188	--	--	NM	37	1,294	986
North Dakota	1,517	1,062	43.0%	NM	*	--	--	--	--	1,515	1,062
South Dakota	3,121	1,581	97.0%	3,121	1,581	--	--	--	--	--	--
South Atlantic	1,959,901	1,575,867	24.0%	1,458,246	1,194,904	426,494	321,928	2,973	2,747	72,188	56,287
Delaware	62,159	43,760	42.0%	233	156	50,439	35,136	--	--	11,487	8,467
District of Columbia	1,041	932	12.0%	979	932	--	--	62	--	--	--
Florida	1,091,829	992,992	10.0%	967,868	887,754	98,393	82,714	NM	NM	25,098	22,098
Georgia	308,669	192,780	60.0%	173,258	89,263	118,242	92,830	--	--	17,169	10,687
Maryland	53,951	26,899	101.0%	--	--	47,518	20,716	2,062	2,276	4,370	3,907
North Carolina	144,144	84,718	70.0%	118,956	64,742	21,531	16,901	NM	NM	3,294	3,038
South Carolina	109,737	93,261	18.0%	91,924	79,434	16,310	12,486	NM	NM	1,488	1,336
Virginia	184,921	136,785	35.0%	104,640	72,187	72,151	58,948	--	--	8,130	5,650
West Virginia	3,449	3,740	-7.8%	388	438	1,910	2,198	--	--	1,151	NM
East South Central	798,376	624,011	28.0%	426,567	333,921	331,523	253,097	2,071	2,019	38,215	34,974
Alabama	398,059	333,919	19.0%	105,089	97,414	267,605	214,559	--	--	25,364	21,946
Kentucky	35,172	20,068	75.0%	27,429	13,551	3,673	1,556	--	--	4,071	4,960
Mississippi	303,399	240,631	26.0%	235,735	197,873	60,245	36,982	NM	NM	7,015	5,383
Tennessee	61,746	29,393	110.0%	58,314	25,082	--	--	1,667	1,627	1,765	2,684
West South Central	2,998,835	2,819,673	6.4%	782,490	750,468	1,388,932	1,241,270	7,954	7,831	819,459	820,103
Arkansas	133,625	104,164	28.0%	24,560	22,127	100,122	73,117	NM	NM	8,937	8,916
Louisiana	550,796	526,687	4.6%	211,846	215,314	90,808	62,034	NM	NM	247,543	248,737
Oklahoma	308,863	266,592	16.0%	219,002	202,145	84,045	58,802	NM	1,701	4,104	3,944
Texas	2,005,551	1,922,230	4.3%	327,082	310,881	1,113,956	1,047,317	5,637	5,524	558,876	558,507
Mountain	632,877	531,117	19.0%	370,351	322,600	241,194	192,311	NM	NM	NM	13,946
Arizona	223,136	174,965	28.0%	108,472	77,488	113,637	96,640	NM	NM	NM	75
Colorado	81,963	76,872	6.6%	44,788	61,693	36,872	14,895	NM	NM	NM	NM
Idaho	15,113	8,294	82.0%	4,628	1,300	9,064	5,233	--	--	1,421	1,761
Montana	1,538	4,342	-65.0%	1,322	4,238	216	104	--	--	--	--
Nevada	178,968	151,923	18.0%	127,160	104,343	NM	45,599	NM	NM	NM	1,405
New Mexico	71,198	67,933	4.8%	44,990	41,176	NM	25,466	NM	NM	NM	460
Utah	48,180	38,266	26.0%	38,495	32,067	7,040	4,301	NM	NM	NM	NM
Wyoming	12,780	8,522	50.0%	496	296	160	73	--	--	12,124	8,153
Pacific Contiguous	1,114,291	836,991	33.0%	324,356	244,735	609,443	421,214	NM	NM	NM	144,428
California	988,426	749,000	32.0%	265,980	207,917	550,201	376,515	NM	NM	NM	139,788
Oregon	78,781	52,264	51.0%	27,090	15,654	48,749	34,254	984	583	1,958	1,773
Washington	47,084	35,726	32.0%	31,286	21,163	10,493	10,445	1,984	1,251	3,321	2,867
Pacific Noncontiguous	41,347	40,311	2.6%	40,309	39,479	--	--	83	61	956	771
Alaska	41,347	40,311	2.6%	40,309	39,479	--	--	83	61	956	771
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	9,912,016	8,311,733	19.0%	3,897,724	3,229,913	4,718,863	3,813,683	90,379	84,161	1,205,051	1,183,976

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, November 2012 and 2011
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011
New England	W	W	W	3.88	3.46	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.88	3.46	12.0%	3.88	3.46	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.65	-2.3%	NM	2.89	2.59	2.59
New Jersey	3.99	4.27	-6.6%	--	--	3.99	4.27
New York	3.06	3.22	-5.0%	NM	4.01	3.05	3.22
Pennsylvania	2.51	2.54	-1.2%	--	2.89	2.51	2.44
East North Central	2.39	2.29	4.4%	2.51	2.41	2.13	2.03
Illinois	1.94	1.64	18.0%	1.98	1.65	1.94	1.64
Indiana	W	W	W	2.64	2.51	W	W
Michigan	W	W	W	2.89	2.89	W	W
Ohio	2.50	2.49	0.4%	2.33	2.27	3.47	3.03
Wisconsin	2.39	2.44	-2.0%	2.39	2.44	--	--
West North Central	1.72	1.65	4.2%	1.72	1.65	--	--
Iowa	1.49	1.46	2.1%	1.49	1.46	--	--
Kansas	1.84	1.78	3.4%	1.84	1.78	--	--
Minnesota	2.05	1.98	3.5%	2.05	1.98	--	--
Missouri	1.83	1.71	7.0%	1.83	1.71	--	--
Nebraska	1.55	1.50	3.3%	1.55	1.50	--	--
North Dakota	1.49	1.29	16.0%	1.49	1.29	--	--
South Dakota	2.08	2.17	-4.1%	2.08	2.17	--	--
South Atlantic	3.28	3.38	-3.0%	3.39	3.42	2.90	3.15
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.47	3.45	W	W
Georgia	3.25	3.57	-9.0%	3.25	3.57	--	--
Maryland	3.68	3.73	-1.3%	--	--	3.68	3.73
North Carolina	3.77	3.71	1.6%	3.80	3.74	3.09	2.96
South Carolina	3.92	W	W	3.92	4.04	--	W
Virginia	W	3.48	W	3.36	3.44	W	3.67
West Virginia	2.54	W	W	2.79	2.61	2.19	W
East South Central	W	W	W	2.63	2.68	W	W
Alabama	W	W	W	2.89	2.79	W	W
Kentucky	2.38	2.37	0.4%	2.38	2.37	--	--
Mississippi	W	W	W	4.65	4.13	W	W
Tennessee	2.56	2.97	-14.0%	2.56	2.97	--	--
West South Central	2.03	2.00	1.5%	2.17	2.02	1.89	1.97
Arkansas	W	W	W	2.42	2.06	W	W
Louisiana	W	W	W	3.11	2.57	W	W
Oklahoma	W	W	W	1.99	1.76	W	W
Texas	1.87	1.96	-4.6%	1.93	2.01	1.84	1.94
Mountain	1.77	1.73	2.3%	1.83	1.81	1.28	1.16
Arizona	2.08	2.03	2.5%	2.08	2.03	--	--
Colorado	W	W	W	1.83	1.64	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.52	1.12	W	W
Nevada	W	W	W	2.70	2.60	W	W
New Mexico	2.13	2.12	0.5%	2.13	2.12	--	--
Utah	W	W	W	1.81	1.62	W	W
Wyoming	W	W	W	1.45	1.63	W	W
Pacific Contiguous	2.22	2.18	1.8%	1.89	1.81	2.41	2.33
California	W	W	W	--	--	W	W
Oregon	1.89	1.81	4.4%	1.89	1.81	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	1.71	NM	W	W
Alaska	W	W	W	1.71	NM	W	W
Hawaii	--	W	W	--	--	--	W
U.S. Total	2.36	2.35	0.4%	2.40	2.39	2.26	2.24

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

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

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) November 2012 and 2011
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	3.67	3.66	0.3%	3.96	3.58	3.53	3.69
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.96	3.58	11.0%	3.96	3.58	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.54	2.69	-5.6%	NM	2.92	2.54	2.64
New Jersey	4.04	4.21	-4.0%	--	--	4.04	4.21
New York	3.22	3.27	-1.5%	NM	3.86	3.21	3.27
Pennsylvania	2.46	2.55	-3.5%	--	2.91	2.46	2.45
East North Central	2.41	2.30	4.8%	2.54	2.41	2.15	2.04
Illinois	1.93	1.72	12.0%	2.09	1.77	1.91	1.70
Indiana	W	W	W	2.60	2.46	W	W
Michigan	W	W	W	2.92	2.80	W	W
Ohio	2.58	2.47	4.5%	2.41	2.29	3.25	3.00
Wisconsin	2.37	2.50	-5.2%	2.37	2.50	--	--
West North Central	1.73	1.64	5.5%	1.73	1.64	--	--
Iowa	1.48	1.43	3.5%	1.48	1.43	--	--
Kansas	1.83	1.75	4.6%	1.83	1.75	--	--
Minnesota	1.97	1.93	2.1%	1.97	1.93	--	--
Missouri	1.86	1.72	8.1%	1.86	1.72	--	--
Nebraska	1.55	1.52	2.0%	1.55	1.52	--	--
North Dakota	1.50	1.34	12.0%	1.50	1.34	--	--
South Dakota	2.18	2.09	4.3%	2.18	2.09	--	--
South Atlantic	3.36	3.41	-1.5%	3.46	3.46	2.93	3.16
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.49	3.53	W	W
Georgia	3.49	3.76	-7.2%	3.49	3.76	--	--
Maryland	3.59	3.72	-3.5%	--	--	3.59	3.72
North Carolina	3.79	3.62	4.7%	3.82	3.65	3.18	2.89
South Carolina	W	W	W	3.98	3.83	W	W
Virginia	W	3.55	W	3.64	3.53	W	3.66
West Virginia	2.53	W	W	2.69	2.57	2.24	W
East South Central	W	W	W	2.71	2.66	W	W
Alabama	W	W	W	3.01	2.87	W	W
Kentucky	2.45	2.33	5.2%	2.45	2.33	--	--
Mississippi	W	W	W	4.45	3.88	W	W
Tennessee	2.62	2.82	-7.1%	2.62	2.82	--	--
West South Central	2.03	1.91	6.3%	2.11	1.95	1.94	1.87
Arkansas	W	W	W	2.22	1.90	W	W
Louisiana	W	W	W	2.85	2.66	W	W
Oklahoma	W	W	W	1.97	1.75	W	W
Texas	1.93	1.87	3.2%	1.98	1.92	1.90	1.84
Mountain	1.84	1.78	3.4%	1.87	1.81	1.49	1.47
Arizona	2.06	1.97	4.6%	2.06	1.97	--	--
Colorado	W	W	W	1.85	1.73	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.52	1.52	W	W
Nevada	W	W	W	2.55	2.60	W	W
New Mexico	2.18	2.05	6.3%	2.18	2.05	--	--
Utah	W	W	W	1.91	1.77	W	W
Wyoming	W	W	W	1.45	1.49	W	W
Pacific Contiguous	2.30	2.22	3.6%	1.89	1.79	2.51	2.43
California	W	W	W	--	--	W	W
Oregon	1.89	1.79	5.6%	1.89	1.79	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	1.70	1.66	W	W
Alaska	W	W	W	1.70	1.66	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.39	2.38	0.4%	2.43	2.41	2.27	2.29

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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, November 2012 and 2011
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011
New England	NM	W	W	NM	NM	NM	W
Connecticut	W	NM	W	NM	NM	W	NM
Maine	W	W	W	NM	NM	W	W
Massachusetts	NM	NM	NM	NM	NM	NM	NM
New Hampshire	W	W	W	NM	NM	W	W
Rhode Island	W	W	W	NM	NM	W	W
Vermont	NM	NM	NM	NM	NM	--	--
Middle Atlantic	24.04	18.74	28.0%	24.59	18.94	23.84	18.63
New Jersey	NM	19.29	NM	NM	NM	NM	19.23
New York	24.09	17.92	34.0%	24.62	18.90	23.82	16.85
Pennsylvania	23.90	21.57	11.0%	NM	NM	23.90	21.56
East North Central	24.19	23.10	4.7%	24.06	23.00	24.60	23.86
Illinois	24.52	W	W	NM	NM	24.49	W
Indiana	W	W	W	23.84	22.84	W	W
Michigan	23.68	23.86	-0.8%	23.68	23.86	--	--
Ohio	W	22.64	W	24.89	22.60	W	22.97
Wisconsin	W	W	W	24.14	NM	W	W
West North Central	23.53	23.91	-1.6%	23.51	23.91	NM	NM
Iowa	W	W	W	22.76	24.46	W	W
Kansas	NM	NM	NM	NM	NM	--	--
Minnesota	W	W	W	24.22	NM	W	W
Missouri	W	W	W	NM	22.44	W	W
Nebraska	24.01	24.51	-2.0%	24.01	24.51	--	--
North Dakota	24.16	23.49	2.9%	24.16	23.49	--	--
South Dakota	W	W	W	NM	24.93	W	W
South Atlantic	W	22.87	W	21.46	22.96	W	22.57
Delaware	NM	W	W	NM	NM	NM	W
District of Columbia	--	--	--	--	--	--	--
Florida	NM	W	W	19.01	22.23	NM	W
Georgia	W	W	W	23.53	23.95	W	W
Maryland	W	22.15	W	NM	NM	W	22.15
North Carolina	22.62	23.00	-1.7%	22.65	23.04	NM	NM
South Carolina	24.20	22.96	5.4%	24.20	22.96	--	--
Virginia	23.64	21.39	11.0%	23.04	21.02	24.27	NM
West Virginia	27.29	W	W	27.29	24.91	--	W
East South Central	W	W	W	24.26	NM	W	W
Alabama	W	W	W	24.11	22.06	W	W
Kentucky	24.24	23.19	4.5%	24.24	23.19	--	--
Mississippi	23.56	NM	NM	23.56	NM	--	--
Tennessee	25.33	NM	NM	25.33	NM	--	--
West South Central	23.39	23.20	0.8%	22.67	NM	23.98	23.28
Arkansas	W	W	W	--	NM	W	W
Louisiana	W	W	W	NM	NM	W	W
Oklahoma	NM	NM	NM	NM	NM	--	--
Texas	W	W	W	22.59	22.70	W	W
Mountain	24.39	25.44	-4.1%	24.52	25.56	22.73	23.19
Arizona	23.79	23.98	-0.8%	23.79	23.98	--	--
Colorado	23.66	NM	NM	23.66	NM	--	--
Idaho	NM	NM	NM	NM	NM	--	--
Montana	W	NM	W	NM	NM	W	NM
Nevada	W	W	W	25.73	26.63	W	W
New Mexico	W	W	W	25.66	25.17	W	W
Utah	W	W	W	24.97	26.01	W	W
Wyoming	21.18	23.59	-10.0%	21.18	23.59	--	--
Pacific Contiguous	W	W	W	25.22	26.70	W	W
California	W	NM	W	25.51	NM	W	NM
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	25.06	28.04	W	W
Pacific Noncontiguous	W	W	W	22.47	21.48	W	W
Alaska	24.94	24.22	3.0%	24.94	24.22	--	--
Hawaii	W	W	W	22.05	21.06	W	W
U.S. Total	22.82	21.46	6.3%	22.80	21.75	22.86	20.57

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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) November 2012 and 2011
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	20.59	W	W	22.07	21.10	20.32	W
Connecticut	21.14	21.84	-3.2%	NM	NM	21.08	21.85
Maine	W	W	W	NM	NM	W	W
Massachusetts	W	19.72	W	NM	NM	W	19.62
New Hampshire	W	W	W	22.88	19.86	W	W
Rhode Island	W	W	W	NM	NM	W	W
Vermont	NM	NM	NM	NM	NM	--	--
Middle Atlantic	W	20.01	W	21.34	19.12	W	20.53
New Jersey	21.41	18.35	17.0%	NM	NM	21.50	20.26
New York	21.89	19.46	12.0%	21.35	19.91	22.63	18.99
Pennsylvania	W	22.19	W	NM	NM	W	22.19
East North Central	23.14	22.43	3.2%	23.03	22.32	23.74	23.14
Illinois	W	23.74	W	23.89	23.18	W	24.06
Indiana	W	W	W	23.15	21.98	W	W
Michigan	W	W	W	22.81	22.35	W	W
Ohio	23.06	22.29	3.5%	23.04	22.35	23.18	21.95
Wisconsin	W	W	W	22.80	22.64	W	W
West North Central	22.55	22.62	-0.3%	22.54	22.61	NM	NM
Iowa	W	W	W	23.11	23.08	W	W
Kansas	22.87	22.27	2.7%	22.87	22.27	--	--
Minnesota	W	W	W	23.94	23.47	W	W
Missouri	W	W	W	20.60	21.65	W	W
Nebraska	23.11	22.90	0.9%	23.11	22.90	--	--
North Dakota	23.97	23.44	2.3%	23.97	23.44	--	--
South Dakota	W	W	W	21.99	24.61	W	W
South Atlantic	21.60	18.99	14.0%	21.59	18.78	NM	20.82
Delaware	23.66	W	W	NM	NM	23.74	W
District of Columbia	W	W	W	--	--	W	W
Florida	19.92	18.46	7.9%	20.68	18.43	NM	20.58
Georgia	W	22.70	W	24.22	22.73	W	NM
Maryland	22.53	21.26	6.0%	NM	NM	22.58	21.27
North Carolina	23.03	21.98	4.8%	23.06	22.03	NM	NM
South Carolina	21.07	21.31	-1.1%	21.07	21.31	--	--
Virginia	20.50	17.60	16.0%	18.96	17.15	23.34	22.28
West Virginia	W	W	W	23.41	23.20	W	W
East South Central	W	W	W	22.75	21.38	W	W
Alabama	W	W	W	22.90	22.19	W	W
Kentucky	22.88	23.07	-0.8%	22.88	23.07	--	--
Mississippi	22.23	NM	NM	22.23	NM	--	--
Tennessee	22.40	21.69	3.3%	22.40	21.69	--	--
West South Central	22.69	21.14	7.3%	22.89	19.93	22.54	22.46
Arkansas	W	W	W	23.14	21.73	W	W
Louisiana	W	W	W	22.36	14.48	W	W
Oklahoma	22.72	NM	NM	22.72	NM	--	--
Texas	W	W	W	22.98	21.99	W	W
Mountain	23.43	23.33	0.4%	23.87	23.55	20.09	21.70
Arizona	23.74	23.52	0.9%	23.74	23.52	--	--
Colorado	W	22.92	W	22.51	22.92	W	--
Idaho	NM	NM	NM	NM	NM	--	--
Montana	18.22	20.84	-13.0%	21.33	NM	17.50	20.94
Nevada	W	W	W	25.31	23.95	W	W
New Mexico	W	W	W	25.62	25.20	W	W
Utah	W	W	W	23.63	23.40	W	W
Wyoming	22.49	23.52	-4.4%	22.49	23.52	--	--
Pacific Contiguous	W	23.52	W	24.64	24.12	W	NM
California	W	W	W	25.03	23.73	W	W
Oregon	22.68	23.73	-4.4%	22.68	23.73	--	--
Washington	W	W	W	24.98	27.03	W	W
Pacific Noncontiguous	W	W	W	22.31	20.59	W	W
Alaska	23.53	22.94	2.6%	23.53	22.94	--	--
Hawaii	W	W	W	22.13	20.30	W	W
U.S. Total	22.35	20.17	11.0%	22.29	20.18	22.55	20.12

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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, November 2012 and 2011
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.79	--	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	--	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.79	--	--	1.79	--	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.21	2.84	-22.0%	2.21	2.84	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.21	2.84	-22.0%	2.21	2.84	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.84	0.51	261.0%	1.84	0.51	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.84	0.51	261.0%	1.84	0.51	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.99	W	W	1.99	2.44	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.99	2.44	-18.0%	1.99	2.44	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	W	W	--	--	--	W
Mountain	W	W	W	--	--	W	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	W	NM	W	--	--	W	NM
California	W	NM	W	--	--	W	NM
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	2.00	2.11	W	W

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Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) November 2012 and 2011
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	3.71	3.94	W	W
Illinois	--	--	--	--	--	--	--
Indiana	4.40	4.84	-9.1%	4.40	4.84	--	--
Michigan	W	W	W	--	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.69	1.64	3.0%	1.69	1.64	--	--
West North Central	NM	1.63	NM	NM	1.63	--	--
Iowa	NM	1.60	NM	NM	1.60	--	--
Kansas	--	1.76	--	--	1.76	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.60	3.96	-34.0%	2.60	3.96	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.60	3.96	-34.0%	2.60	3.96	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.83	0.53	245.0%	1.83	0.53	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.83	0.53	245.0%	1.83	0.53	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	W	W	W	2.00	3.18	W	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.00	3.18	-37.0%	2.00	3.18	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	W	W	W	--	--	W	W
Mountain	W	W	W	--	--	W	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	W	2.90	W	--	--	W	2.90
California	W	2.90	W	--	--	W	2.90
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.47	2.98	-17.0%	2.22	3.14	3.12	2.47

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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:
See Glossary for definitions. Values for 2011 are final. Values for 2012 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, November 2012 and 2011
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2012	November 2011	Percentage Change	November 2012	November 2011	November 2012	November 2011
New England	5.53	3.97	39.0%	7.19	4.34	5.51	3.96
Connecticut	5.61	4.02	40.0%	5.26	NM	5.61	4.02
Maine	W	W	W	--	--	W	W
Massachusetts	5.30	3.85	38.0%	7.57	4.42	5.25	3.84
New Hampshire	W	W	W	8.11	4.38	W	W
Rhode Island	6.93	4.13	68.0%	--	--	6.93	4.13
Vermont	4.87	4.71	3.4%	4.87	4.71	--	--
Middle Atlantic	4.44	4.38	1.4%	4.53	4.38	4.43	4.38
New Jersey	4.31	4.28	0.7%	--	--	4.31	4.28
New York	4.74	4.77	-0.6%	4.53	4.38	4.82	4.92
Pennsylvania	4.10	3.98	3.0%	NM	NM	4.10	3.98
East North Central	4.08	3.84	6.3%	4.08	3.87	4.08	3.82
Illinois	4.35	W	W	6.17	4.39	4.23	W
Indiana	3.96	W	W	3.95	3.48	3.97	W
Michigan	4.30	3.97	8.3%	4.19	4.00	4.32	3.97
Ohio	3.83	3.61	6.1%	3.88	3.66	3.81	3.60
Wisconsin	4.28	4.31	-0.7%	4.43	4.89	4.11	3.88
West North Central	4.49	5.17	-13.0%	4.49	4.94	4.47	7.12
Iowa	4.43	W	W	4.43	5.89	--	W
Kansas	4.39	4.47	-1.8%	4.39	4.47	--	--
Minnesota	W	W	W	4.47	5.59	W	W
Missouri	W	W	W	4.44	4.44	W	W
Nebraska	7.22	9.56	-24.0%	7.22	9.56	--	--
North Dakota	NM	--	--	NM	--	--	--
South Dakota	NM	11.16	NM	NM	11.16	--	--
South Atlantic	4.82	4.98	-3.2%	4.99	5.21	4.06	4.10
Delaware	W	W	W	NM	NM	W	W
District of Columbia	--	NM	--	--	NM	--	--
Florida	5.15	5.55	-7.2%	5.28	5.60	3.49	4.85
Georgia	4.32	3.82	13.0%	4.33	3.76	4.29	3.87
Maryland	4.32	4.63	-6.7%	--	--	4.32	4.63
North Carolina	W	W	W	5.29	5.34	W	W
South Carolina	W	W	W	4.22	3.51	W	W
Virginia	4.13	3.79	9.0%	4.23	3.99	3.97	3.52
West Virginia	3.81	4.28	-11.0%	3.66	4.34	3.83	4.24
East South Central	3.90	3.67	6.3%	3.82	3.67	4.02	3.68
Alabama	W	W	W	3.92	3.63	W	W
Kentucky	W	W	W	4.27	4.92	W	W
Mississippi	W	W	W	3.75	3.58	W	W
Tennessee	3.72	4.13	-9.9%	3.72	4.13	--	--
West South Central	3.70	3.57	3.6%	3.81	3.69	3.64	3.50
Arkansas	3.79	W	W	5.21	3.86	3.71	W
Louisiana	3.73	3.59	3.9%	3.79	3.62	3.57	3.51
Oklahoma	3.84	W	W	3.85	3.91	3.80	W
Texas	3.66	3.52	4.0%	3.77	3.62	3.63	3.49
Mountain	4.36	4.31	1.2%	4.45	4.45	4.20	4.03
Arizona	4.65	4.19	11.0%	5.20	4.49	4.02	3.82
Colorado	4.88	4.10	19.0%	5.01	4.07	4.71	4.23
Idaho	W	W	W	8.50	5.72	W	W
Montana	W	W	W	NM	3.73	W	W
Nevada	4.09	4.84	-15.0%	4.09	5.03	NM	4.33
New Mexico	W	W	W	4.27	4.26	W	W
Utah	W	W	W	3.82	3.84	W	W
Wyoming	W	W	W	NM	5.45	W	W
Pacific Contiguous	4.24	4.23	0.2%	4.51	4.50	4.09	4.03
California	4.25	4.25	0.0%	4.50	4.52	4.13	4.08
Oregon	W	3.63	W	3.78	3.69	W	3.59
Washington	W	4.94	W	5.50	5.08	W	4.53
Pacific Noncontiguous	4.46	5.06	-12.0%	4.46	5.06	--	--
Alaska	4.46	5.06	-12.0%	4.46	5.06	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.32	4.18	3.3%	4.49	4.50	4.18	3.92

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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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) November 2012 and 2011
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2012 YTD	November 2011 YTD	Percentage Change	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	3.56	5.00	-29.0%	4.44	5.72	3.55	5.00
Connecticut	3.63	5.04	-28.0%	3.46	NM	3.63	5.04
Maine	W	W	W	--	--	W	W
Massachusetts	3.45	4.94	-30.0%	4.41	5.76	3.44	4.93
New Hampshire	W	W	W	5.54	6.01	W	W
Rhode Island	3.73	5.08	-27.0%	--	--	3.73	5.08
Vermont	3.93	5.30	-26.0%	3.93	5.30	--	--
Middle Atlantic	3.44	5.21	-34.0%	3.62	5.34	3.41	5.19
New Jersey	3.44	5.17	-33.0%	--	--	3.44	5.17
New York	3.70	5.50	-33.0%	3.62	5.34	3.73	5.57
Pennsylvania	3.10	4.81	-36.0%	NM	NM	3.10	4.81
East North Central	3.06	4.71	-35.0%	3.06	4.79	3.06	4.67
Illinois	3.18	4.91	-35.0%	3.22	5.21	3.18	4.83
Indiana	3.01	4.58	-34.0%	2.96	4.53	3.15	4.66
Michigan	3.12	4.75	-34.0%	3.09	4.87	3.13	4.72
Ohio	2.93	4.56	-36.0%	2.92	4.59	2.93	4.55
Wisconsin	3.15	4.93	-36.0%	3.32	5.31	2.95	4.57
West North Central	3.43	5.19	-34.0%	3.47	5.18	3.14	5.21
Iowa	W	W	W	3.69	5.37	W	W
Kansas	3.13	4.71	-34.0%	3.13	4.71	--	--
Minnesota	W	W	W	3.66	5.93	W	W
Missouri	W	W	W	3.39	5.02	W	W
Nebraska	3.75	5.63	-33.0%	3.75	5.63	--	--
North Dakota	NM	8.19	NM	NM	8.19	--	--
South Dakota	3.37	4.99	-32.0%	3.37	4.99	--	--
South Atlantic	4.12	5.50	-25.0%	4.38	5.61	3.20	5.07
Delaware	W	W	W	3.16	NM	W	W
District of Columbia	3.09	NM	NM	3.09	NM	--	--
Florida	4.64	5.82	-20.0%	4.79	5.86	3.15	5.36
Georgia	3.28	4.70	-30.0%	3.32	4.57	3.23	4.82
Maryland	3.16	W	W	--	--	3.16	W
North Carolina	W	W	W	4.28	5.94	W	W
South Carolina	W	4.40	W	3.57	4.34	W	4.84
Virginia	3.22	5.06	-36.0%	3.26	5.00	3.17	5.15
West Virginia	3.24	4.74	-32.0%	3.18	4.82	3.25	4.73
East South Central	2.97	4.41	-33.0%	2.95	4.47	2.99	4.33
Alabama	3.05	4.36	-30.0%	3.12	4.45	3.02	4.32
Kentucky	3.37	5.80	-42.0%	3.42	5.94	2.98	4.63
Mississippi	2.85	4.36	-35.0%	2.85	4.35	2.82	4.41
Tennessee	2.81	4.63	-39.0%	2.81	4.63	--	--
West South Central	2.89	4.37	-34.0%	2.96	4.44	2.86	4.33
Arkansas	3.08	4.71	-35.0%	3.74	5.72	2.92	4.40
Louisiana	2.87	4.36	-34.0%	2.92	4.39	2.76	4.23
Oklahoma	2.91	4.47	-35.0%	2.98	4.50	2.73	4.37
Texas	2.88	4.34	-34.0%	2.92	4.35	2.87	4.33
Mountain	3.39	4.88	-31.0%	3.45	5.04	3.29	4.61
Arizona	3.39	4.97	-32.0%	3.64	5.57	3.15	4.49
Colorado	3.87	4.90	-21.0%	3.92	4.90	3.82	4.90
Idaho	W	W	W	3.95	6.79	W	W
Montana	W	W	W	3.31	4.19	W	W
Nevada	3.30	4.94	-33.0%	3.33	5.03	3.22	4.72
New Mexico	W	W	W	3.34	4.93	W	W
Utah	W	W	W	2.90	4.25	W	W
Wyoming	W	W	W	3.64	7.00	W	W
Pacific Contiguous	3.46	4.68	-26.0%	3.76	4.95	3.30	4.53
California	3.48	4.67	-25.0%	3.79	4.93	3.34	4.53
Oregon	W	W	W	3.05	4.17	W	W
Washington	W	W	W	4.07	5.66	W	W
Pacific Noncontiguous	4.13	5.01	-18.0%	4.13	5.01	--	--
Alaska	4.13	5.01	-18.0%	4.13	5.01	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.39	4.86	-30.0%	3.67	5.05	3.16	4.69

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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, November 2012

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	158	1.06	9.3	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	5	1.27	7.2	--	--	--	--	--	--
Massachusetts	125	0.89	9.8	--	--	--	--	--	--
New Hampshire	28	1.75	7.4	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,324	2.90	10.5	66	0.27	5.4	--	--	--
New Jersey	106	1.55	7.7	--	--	--	--	--	--
New York	185	2.78	8.6	45	0.25	5.2	--	--	--
Pennsylvania	3,033	2.95	10.7	NM	NM	NM	--	--	--
East North Central	6,629	2.80	9.6	8,377	0.24	5.0	--	--	--
Illinois	773	3.03	16.4	4,378	0.21	4.8	--	--	--
Indiana	2,709	2.69	8.8	620	0.26	5.4	--	--	--
Michigan	267	1.78	8.3	1,411	0.27	5.2	--	--	--
Ohio	2,693	3.07	9.0	217	0.29	5.5	--	--	--
Wisconsin	186	0.99	9.0	1,751	0.26	5.1	--	--	--
West North Central	139	2.82	9.4	9,505	0.28	5.0	1,884	0.83	10.3
Iowa	61	3.50	8.0	2,177	0.28	4.9	--	--	--
Kansas	16	2.92	12.0	1,311	0.30	5.0	--	--	--
Minnesota	NM	NM	NM	1,382	0.33	5.6	--	--	--
Missouri	54	2.16	10.0	3,102	0.23	4.9	--	--	--
Nebraska	--	--	--	1,254	0.26	4.9	--	--	--
North Dakota	--	--	--	89	0.32	5.7	1,884	0.83	10.3
South Dakota	--	--	--	189	0.48	6.8	--	--	--
South Atlantic	9,329	1.98	10.6	1,109	0.30	4.6	--	--	--
Delaware	71	1.86	7.2	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,763	2.19	9.1	--	--	--	--	--	--
Georgia	638	1.18	9.9	1,109	0.30	4.6	--	--	--
Maryland	778	1.95	8.8	--	--	--	--	--	--
North Carolina	1,653	1.34	10.5	--	--	--	--	--	--
South Carolina	882	1.55	9.1	--	--	--	--	--	--
Virginia	638	1.07	16.3	--	--	--	--	--	--
West Virginia	2,905	2.72	11.4	--	--	--	--	--	--
East South Central	5,150	2.40	9.8	2,009	0.28	5.2	311	0.49	15.3
Alabama	1,010	1.70	10.0	1,071	0.26	5.2	--	--	--
Kentucky	2,975	2.81	10.1	211	0.31	5.5	--	--	--
Mississippi	246	1.23	9.3	--	--	--	311	0.49	15.3
Tennessee	918	2.18	8.6	727	0.32	5.2	--	--	--
West South Central	96	2.13	18.9	8,747	0.28	5.1	4,013	1.02	16.8
Arkansas	NM	NM	NM	1,422	0.26	5.1	--	--	--
Louisiana	38	3.23	8.8	1,084	0.30	5.0	369	0.59	17.2
Oklahoma	49	1.06	30.6	1,621	0.25	4.9	--	--	--
Texas	--	--	--	4,620	0.30	5.1	3,644	1.06	16.8
Mountain	2,715	0.64	13.0	7,059	0.55	8.7	NM	NM	NM
Arizona	644	0.61	10.6	1,395	0.66	6.2	--	--	--
Colorado	397	0.47	9.9	1,252	0.33	5.7	--	--	--
Idaho	NM	NM	NM	NM	NM	NM	--	--	--
Montana	--	--	--	984	0.74	9.0	NM	NM	NM
Nevada	73	0.37	12.9	61	0.27	5.3	--	--	--
New Mexico	432	0.78	25.1	765	0.79	22.6	--	--	--
Utah	1,128	0.63	11.6	52	0.94	8.0	--	--	--
Wyoming	36	2.23	10.6	2,543	0.44	7.4	--	--	--
Pacific Contiguous	105	0.58	11.4	628	0.39	7.0	--	--	--
California	105	0.58	11.4	--	--	--	--	--	--
Oregon	--	--	--	246	0.44	5.1	--	--	--
Washington	--	--	--	382	0.35	8.3	--	--	--
Pacific Noncontiguous	NM	NM	NM	82	0.32	5.7	--	--	--
Alaska	--	--	--	82	0.32	5.7	--	--	--
Hawaii	NM	NM	NM	--	--	--	--	--	--
U.S. Total	27,652	2.24	10.4	37,581	0.32	5.8	6,238	0.94	14.8

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

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, November 2012

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	28	1.75	7.4	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--
New Hampshire	28	1.75	7.4	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	NM	NM	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	NM	NM	NM	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
East North Central	5,481	2.81	9.0	3,940	0.26	5.2	--	--	--
Illinois	215	3.17	13.2	330	0.22	5.1	--	--	--
Indiana	2,472	2.65	8.6	491	0.26	5.4	--	--	--
Michigan	244	1.85	8.4	1,390	0.27	5.2	--	--	--
Ohio	2,413	3.14	9.0	--	--	--	--	--	--
Wisconsin	137	0.90	9.1	1,729	0.26	5.1	--	--	--
West North Central	58	2.24	10.4	9,133	0.28	5.0	1,884	0.83	10.3
Iowa	NM	NM	NM	1,979	0.29	4.9	--	--	--
Kansas	16	2.92	12.0	1,311	0.30	5.0	--	--	--
Minnesota	NM	NM	NM	1,288	0.33	5.6	--	--	--
Missouri	NM	NM	NM	3,102	0.23	4.9	--	--	--
Nebraska	--	--	--	1,198	0.26	4.9	--	--	--
North Dakota	--	--	--	66	0.32	5.7	1,884	0.83	10.3
South Dakota	--	--	--	189	0.48	6.8	--	--	--
South Atlantic	6,849	1.81	10.6	1,109	0.30	4.6	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,714	2.21	9.1	--	--	--	--	--	--
Georgia	581	1.19	9.7	1,109	0.30	4.6	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	1,540	1.34	10.5	--	--	--	--	--	--
South Carolina	869	1.56	9.1	--	--	--	--	--	--
Virginia	430	1.02	18.4	--	--	--	--	--	--
West Virginia	1,713	2.35	11.4	--	--	--	--	--	--
East South Central	4,935	2.44	9.8	2,009	0.28	5.2	--	--	--
Alabama	978	1.71	10.0	1,071	0.26	5.2	--	--	--
Kentucky	2,975	2.81	10.1	211	0.31	5.5	--	--	--
Mississippi	202	0.88	9.5	--	--	--	--	--	--
Tennessee	780	2.40	8.7	727	0.32	5.2	--	--	--
West South Central	37	3.23	8.8	5,504	0.26	5.0	652	1.27	21.1
Arkansas	--	--	--	1,159	0.25	5.1	--	--	--
Louisiana	37	3.23	8.8	341	0.31	5.4	369	0.59	17.2
Oklahoma	--	--	--	1,524	0.25	4.9	--	--	--
Texas	--	--	--	2,481	0.27	5.0	283	2.41	27.6
Mountain	2,653	0.62	13.0	5,872	0.52	8.7	NM	NM	NM
Arizona	644	0.61	10.6	1,363	0.66	6.2	--	--	--
Colorado	381	0.47	9.9	1,252	0.33	5.7	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	NM	NM	NM
Nevada	73	0.37	12.9	--	--	--	--	--	--
New Mexico	432	0.78	25.1	765	0.79	22.6	--	--	--
Utah	1,123	0.63	11.6	52	0.94	8.0	--	--	--
Wyoming	--	--	--	2,439	0.44	7.4	--	--	--
Pacific Contiguous	--	--	--	246	0.44	5.1	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	246	0.44	5.1	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	NM	NM	NM	--	--	--
Alaska	--	--	--	NM	NM	NM	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	20,041	2.09	10.2	27,825	0.33	5.8	2,561	0.93	13.0

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, November 2012

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	124	0.91	9.7	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	4	1.59	7.4	--	--	--	--	--	--
Massachusetts	121	0.89	9.8	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,256	2.90	10.5	45	0.25	5.2	--	--	--
New Jersey	106	1.55	7.7	--	--	--	--	--	--
New York	159	2.87	8.5	45	0.25	5.2	--	--	--
Pennsylvania	2,990	2.96	10.7	--	--	--	--	--	--
East North Central	815	2.78	14.1	4,351	0.21	4.8	--	--	--
Illinois	353	2.95	21.8	4,001	0.21	4.7	--	--	--
Indiana	215	3.14	11.4	NM	NM	NM	--	--	--
Michigan	7	1.15	8.4	4	0.22	4.7	--	--	--
Ohio	240	2.36	8.1	217	0.29	5.5	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	2,182	2.58	10.2	--	--	--	--	--	--
Delaware	71	1.86	7.2	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	27	1.04	12.9	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	746	1.94	8.4	--	--	--	--	--	--
North Carolina	71	1.32	10.6	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	108	0.87	11.3	--	--	--	--	--	--
West Virginia	1,158	3.32	11.4	--	--	--	--	--	--
East South Central	47	2.81	8.3	--	--	--	311	0.49	15.3
Alabama	NM	NM	NM	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	44	2.90	8.2	--	--	--	311	0.49	15.3
Tennessee	--	--	--	--	--	--	--	--	--
West South Central	49	1.06	30.6	3,201	0.32	5.1	3,340	0.97	16.1
Arkansas	--	--	--	263	0.27	5.3	--	--	--
Louisiana	--	--	--	743	0.30	4.8	--	--	--
Oklahoma	49	1.06	30.6	56	0.20	4.5	--	--	--
Texas	--	--	--	2,139	0.33	5.3	3,340	0.97	16.1
Mountain	NM	NM	NM	1,093	0.70	8.7	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Colorado	NM	NM	NM	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	984	0.74	9.0	--	--	--
Nevada	--	--	--	61	0.27	5.3	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	48	0.44	7.3	--	--	--
Pacific Contiguous	39	0.76	12.4	372	0.35	8.4	--	--	--
California	39	0.76	12.4	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	372	0.35	8.4	--	--	--
Pacific Noncontiguous	--	--	--	NM	NM	NM	--	--	--
Alaska	--	--	--	NM	NM	NM	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	6,529	2.71	10.9	9,083	0.31	5.5	3,651	0.94	16.0

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, November 2012

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	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	NM	NM	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	NM	NM	NM	--	--	--	--	--	--
Pennsylvania	NM	NM	NM	--	--	--	--	--	--
East North Central	29	2.56	9.7	--	--	--	--	--	--
Illinois	10	3.03	11.4	--	--	--	--	--	--
Indiana	14	2.70	8.9	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--
Ohio	NM	NM	NM	--	--	--	--	--	--
Wisconsin	NM	NM	NM	--	--	--	--	--	--
West North Central	26	3.43	8.6	NM	NM	NM	--	--	--
Iowa	NM	NM	NM	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	NM	NM	NM	--	--	--
Missouri	10	3.31	9.6	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	NM	NM	NM	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	8	1.32	10.6	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	NM	NM	NM	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--
East South Central	NM	NM	NM	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee	NM	NM	NM	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	50	0.32	5.7	--	--	--
Alaska	--	--	--	50	0.32	5.7	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	72	2.64	9.9	52	0.32	5.7	--	--	--

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Sector by State, November 2012

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	NM	NM	NM	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	2	0.62	6.9	--	--	--	--	--	--
Massachusetts	NM	NM	NM	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	65	2.55	10.7	NM	NM	NM	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	24	2.25	9.3	--	--	--	--	--	--
Pennsylvania	41	2.74	11.6	NM	NM	NM	--	--	--
East North Central	304	2.66	11.0	86	0.51	5.9	--	--	--
Illinois	195	3.03	11.8	48	0.71	6.5	--	--	--
Indiana	NM	NM	NM	--	--	--	--	--	--
Michigan	16	1.02	7.3	NM	NM	NM	--	--	--
Ohio	40	3.17	11.2	--	--	--	--	--	--
Wisconsin	45	1.27	8.9	22	0.27	5.3	--	--	--
West North Central	55	3.15	8.6	369	0.28	5.0	--	--	--
Iowa	41	3.50	8.0	198	0.26	4.7	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	NM	NM	NM	92	0.33	5.6	--	--	--
Missouri	NM	NM	NM	--	--	--	--	--	--
Nebraska	--	--	--	56	0.26	4.9	--	--	--
North Dakota	--	--	--	NM	NM	NM	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	287	1.48	12.9	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	NM	NM	NM	--	--	--	--	--	--
Georgia	57	1.05	11.3	--	--	--	--	--	--
Maryland	32	2.23	21.2	--	--	--	--	--	--
North Carolina	34	1.32	10.6	--	--	--	--	--	--
South Carolina	13	0.99	9.1	--	--	--	--	--	--
Virginia	95	1.51	13.8	--	--	--	--	--	--
West Virginia	34	1.43	11.6	--	--	--	--	--	--
East South Central	163	1.05	7.9	--	--	--	--	--	--
Alabama	29	1.42	8.1	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee	135	0.97	7.8	--	--	--	--	--	--
West South Central	NM	NM	NM	NM	NM	NM	NM	NM	NM
Arkansas	NM	NM	NM	--	--	--	--	--	--
Louisiana	NM	NM	NM	--	--	--	NM	NM	NM
Oklahoma	--	--	--	NM	NM	NM	--	--	--
Texas	--	--	--	--	--	--	NM	NM	NM
Mountain	46	2.07	10.5	93	0.51	6.8	NM	NM	NM
Arizona	--	--	--	NM	NM	NM	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	NM	NM	NM	NM	NM	NM	--	--	--
Montana	--	--	--	--	--	--	NM	NM	NM
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	4	0.41	8.5	--	--	--	--	--	--
Wyoming	36	2.23	10.6	56	0.44	7.3	--	--	--
Pacific Contiguous	66	0.46	10.8	10	0.28	4.4	--	--	--
California	66	0.46	10.8	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	10	0.28	4.4	--	--	--
Pacific Noncontiguous	NM	NM	NM	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	NM	NM	NM	--	--	--	--	--	--
U.S. Total	1,009	1.88	10.8	621	0.35	5.4	NM	NM	NM

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
See Glossary for definitions. Values for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - November 2012 (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
2010					
January	147,500	108,120	75,506	715	331,841
February	122,840	100,747	74,164	689	298,440
March	111,790	101,756	78,303	656	292,505
April	88,046	99,791	78,597	600	267,034
May	94,843	106,176	82,088	606	283,712
June	127,496	119,388	83,347	658	330,889
July	154,688	127,925	85,725	667	369,006
August	154,053	129,143	87,904	628	371,728
Sept	124,582	119,137	83,353	639	327,711
October	96,688	108,461	82,046	615	287,811
November	93,166	101,524	79,575	607	274,871
December	130,015	108,031	80,264	633	318,943
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
Year to Date					
2010	1,315,694	1,222,168	890,609	7,080	3,435,550
2011	1,306,460	1,223,185	911,359	7,017	3,448,020
2012	1,260,803	1,220,293	903,139	6,871	3,391,107
Rolling 12 Months Ending in November					
2011	1,436,475	1,331,216	991,624	7,649	3,766,964
2012	1,377,144	1,325,166	983,095	7,527	3,692,932

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 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 - November 2012 (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
2010					
January	15,476	10,328	4,910	73	30,787
February	13,375	9,960	4,861	72	28,268
March	12,415	10,126	5,114	67	27,722
April	10,309	9,934	5,147	63	25,453
May	11,296	10,776	5,453	64	27,589
June	15,189	12,605	5,805	73	33,673
July	18,620	13,713	6,196	73	38,601
August	18,529	13,714	6,344	68	38,656
Sept	14,890	12,533	5,831	67	33,321
October	11,471	11,118	5,576	65	28,230
November	10,828	10,144	5,219	64	26,254
December	14,384	10,608	5,295	66	30,353
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
Year to Date					
2010	152,397	124,951	60,455	749	338,553
2011	153,452	125,686	62,401	739	342,277
2012	150,132	123,742	60,610	690	335,174
Rolling 12 Months Ending in November					
2011	167,836	136,294	67,696	804	372,630
2012	163,394	133,983	65,815	754	363,946

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 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 - November 2012 (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
2010					
January	10.49	9.55	6.50	10.17	9.28
February	10.89	9.89	6.55	10.48	9.47
March	11.11	9.95	6.53	10.28	9.48
April	11.71	9.95	6.55	10.52	9.53
May	11.91	10.15	6.64	10.52	9.72
June	11.91	10.56	6.96	11.14	10.18
July	12.04	10.72	7.23	10.95	10.46
August	12.03	10.62	7.22	10.86	10.40
Sept	11.95	10.52	7.00	10.53	10.17
October	11.86	10.25	6.80	10.49	9.81
November	11.62	9.99	6.56	10.47	9.55
December	11.06	9.82	6.60	10.39	9.52
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
Year to Date					
2010	11.58	10.22	6.79	10.58	9.85
2011	11.75	10.28	6.85	10.53	9.93
2012	11.91	10.14	6.71	10.04	9.88
Rolling 12 Months Ending in November					
2011	11.68	10.24	6.83	10.52	9.89
2012	11.86	10.11	6.69	10.02	9.86

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 2012 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report.

Table 5.4.A. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, November 2012 and 2011 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	3,536	3,387	3,412	3,395	2,238	2,232	47	47	9,233	9,062
Connecticut	930	882	968	950	281	303	16	17	2,194	2,152
Maine	353	335	315	305	252	238	--	--	921	879
Massachusetts	1,513	1,458	1,340	1,353	1,363	1,348	29	28	4,245	4,187
New Hampshire	334	324	347	338	152	154	--	--	833	816
Rhode Island	233	230	284	293	75	72	2	2	595	597
Vermont	173	157	159	156	114	118	--	--	446	431
Middle Atlantic	9,626	9,076	11,792	11,867	5,482	5,741	294	302	27,193	26,987
New Jersey	2,042	1,720	2,816	2,848	558	649	22	24	5,439	5,242
New York	3,677	3,621	5,666	5,787	1,160	1,088	212	228	10,716	10,723
Pennsylvania	3,906	3,735	3,310	3,232	3,763	4,005	60	50	11,039	11,022
East North Central	13,926	13,311	13,791	13,994	15,806	16,406	53	50	43,575	43,762
Illinois	3,220	3,155	3,829	3,855	3,513	3,655	48	45	10,610	10,710
Indiana	2,448	2,288	1,798	1,809	3,824	3,834	2	2	8,072	7,932
Michigan	2,583	2,528	2,877	3,001	2,534	2,630	*	1	7,994	8,160
Ohio	3,984	3,648	3,500	3,555	4,093	4,425	3	3	11,580	11,630
Wisconsin	1,691	1,693	1,786	1,775	1,843	1,862	--	--	5,320	5,331
West North Central	7,419	7,182	7,824	7,611	7,241	7,376	3	3	22,487	22,173
Iowa	1,010	1,005	940	935	1,622	1,597	--	--	3,571	3,537
Kansas	863	863	1,165	1,154	876	844	--	--	2,904	2,861
Minnesota	1,732	1,670	1,794	1,749	1,821	1,967	1	1	5,348	5,388
Missouri	2,369	2,260	2,254	2,297	1,430	1,448	2	2	6,054	6,007
Nebraska	683	666	697	710	856	917	--	--	2,236	2,294
North Dakota	414	378	436	422	428	389	--	--	1,279	1,189
South Dakota	347	340	539	343	207	214	--	--	1,094	897
South Atlantic	24,271	22,547	23,216	22,850	11,116	11,308	103	99	58,705	56,804
Delaware	357	288	340	312	243	223	--	--	940	823
District of Columbia	135	121	694	684	18	19	27	24	874	848
Florida	7,438	7,435	6,825	7,050	1,358	1,360	7	7	15,627	15,851
Georgia	3,731	3,349	3,510	3,456	2,426	2,486	12	12	9,678	9,304
Maryland	2,092	1,740	2,277	2,318	260	460	42	41	4,672	4,558
North Carolina	4,105	3,745	3,617	3,462	2,166	2,124	1	*	9,889	9,333
South Carolina	2,031	1,897	1,601	1,548	2,239	2,233	--	--	5,871	5,678
Virginia	3,398	3,075	3,713	3,456	1,411	1,386	14	15	8,536	7,932
West Virginia	984	897	638	564	996	1,016	*	*	2,618	2,477
East South Central	8,055	7,557	6,068	6,162	9,988	10,230	*	*	24,111	23,949
Alabama	2,184	2,062	1,613	1,647	2,686	2,650	--	--	6,484	6,359
Kentucky	1,953	1,731	1,360	1,388	3,691	3,918	--	--	7,003	7,036
Mississippi	1,177	1,127	1,024	1,007	1,375	1,290	--	--	3,576	3,424
Tennessee	2,741	2,637	2,071	2,120	2,235	2,373	*	*	7,048	7,130
West South Central	12,931	12,386	15,494	13,385	13,078	13,332	7	7	41,511	39,110
Arkansas	1,104	1,074	882	882	1,361	1,371	NM	*	3,348	3,326
Louisiana	1,933	1,821	1,858	1,800	2,533	2,517	1	1	6,324	6,139
Oklahoma	1,354	1,390	1,477	1,474	1,346	1,286	--	--	4,177	4,150
Texas	8,541	8,101	11,278	9,230	7,837	8,159	6	7	27,662	25,496
Mountain	6,187	6,233	7,164	7,223	6,468	6,545	8	8	19,827	20,010
Arizona	1,838	1,793	2,201	2,159	997	991	--	--	5,036	4,942
Colorado	1,354	1,378	1,557	1,584	1,255	1,219	4	4	4,170	4,184
Idaho	686	746	462	490	535	585	--	--	1,684	1,821
Montana	393	385	369	386	329	350	--	--	1,090	1,121
Nevada	558	599	685	685	1,123	1,126	1	1	2,366	2,411
New Mexico	461	471	709	697	608	549	--	--	1,778	1,717
Utah	663	624	841	834	758	821	3	3	2,265	2,283
Wyoming	234	237	341	387	863	904	--	--	1,439	1,529
Pacific Contiguous	10,805	11,110	13,269	13,543	7,040	7,270	66	72	31,179	31,995
California	6,408	6,455	9,642	9,841	3,848	4,075	63	69	19,962	20,440
Oregon	1,590	1,692	1,266	1,290	948	929	2	2	3,806	3,913
Washington	2,806	2,963	2,361	2,412	2,244	2,267	*	1	7,411	7,642
Pacific Noncontiguous	418	431	515	522	421	416	--	--	1,355	1,368
Alaska	199	199	247	251	119	112	--	--	565	561
Hawaii	220	232	268	271	302	304	--	--	790	807
U.S. Total	97,174	93,220	102,546	100,552	78,877	80,858	580	590	279,178	275,220

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
Notes: - See Glossary for definitions. - Values for 2011 are final. Values for 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.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.4.B. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2012 and 2011 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	42,798	43,462	40,792	41,348	25,418	25,727	519	523	109,527	111,061
Connecticut	11,615	11,850	11,904	12,063	3,284	3,388	176	172	26,979	27,474
Maine	4,048	3,978	3,721	3,682	2,786	2,780	--	--	10,556	10,440
Massachusetts	18,356	18,751	15,881	16,281	15,396	15,645	318	327	49,951	51,003
New Hampshire	4,052	4,093	4,117	4,131	1,797	1,782	--	--	9,965	10,006
Rhode Island	2,849	2,869	3,341	3,353	853	843	24	25	7,067	7,090
Vermont	1,879	1,921	1,829	1,839	1,302	1,289	--	--	5,010	5,048
Middle Atlantic	121,560	124,533	144,751	146,314	63,371	65,409	3,634	3,767	333,317	340,024
New Jersey	27,129	27,246	35,656	36,023	7,158	7,430	271	294	70,214	70,993
New York	46,544	47,186	69,727	70,322	12,135	12,345	2,565	2,729	130,972	132,581
Pennsylvania	47,887	50,101	39,368	39,969	44,078	45,634	798	745	132,131	136,450
East North Central	171,313	174,626	167,674	168,570	185,757	185,358	564	526	525,307	529,080
Illinois	42,899	43,192	46,323	46,365	41,312	41,135	508	472	131,041	131,164
Indiana	29,820	30,933	22,012	22,230	44,100	43,848	19	19	95,951	97,030
Michigan	31,321	31,603	35,174	35,552	29,067	29,067	7	5	95,569	96,226
Ohio	47,268	48,796	42,843	43,321	49,489	49,794	30	30	139,631	141,941
Wisconsin	20,004	20,102	21,321	21,103	21,789	21,513	--	--	63,114	62,718
West North Central	93,667	96,713	91,466	91,395	82,424	81,284	35	38	267,592	269,430
Iowa	12,714	12,949	11,154	11,053	18,058	17,624	--	--	41,926	41,626
Kansas	12,594	13,185	14,406	14,391	9,889	9,957	--	--	36,889	37,533
Minnesota	20,097	20,462	20,535	20,523	20,917	21,712	16	17	61,565	62,714
Missouri	31,388	32,854	27,971	28,537	16,272	15,928	20	20	75,650	77,340
Nebraska	8,865	8,990	8,475	8,391	10,279	9,757	--	--	27,619	27,139
North Dakota	3,949	4,063	4,571	4,428	4,591	3,932	--	--	13,111	12,423
South Dakota	4,061	4,209	4,354	4,072	2,418	2,373	--	--	10,833	10,654
South Atlantic	308,659	327,553	279,293	281,984	128,781	128,789	1,188	1,216	717,921	739,542
Delaware	4,181	4,288	3,952	3,934	2,561	2,375	--	--	10,694	10,597
District of Columbia	1,825	1,900	8,053	8,266	201	198	299	293	10,378	10,657
Florida	103,335	108,584	83,959	84,786	15,448	15,543	76	79	202,818	208,992
Georgia	49,900	53,472	42,634	43,366	28,752	29,047	144	157	121,429	126,043
Maryland	24,291	25,063	27,703	28,283	4,221	4,607	485	504	56,700	58,457
North Carolina	49,734	53,425	42,954	42,912	24,754	24,470	7	7	117,449	120,812
South Carolina	26,168	28,445	19,728	19,992	26,069	25,871	--	--	71,966	74,308
Virginia	39,211	41,782	43,153	43,323	15,873	15,895	173	172	98,410	101,172
West Virginia	10,014	10,595	7,157	7,121	10,903	10,785	4	4	28,077	28,505
East South Central	105,694	112,940	75,866	77,483	113,758	111,983	2	2	295,319	302,407
Alabama	28,319	30,403	20,188	20,595	31,118	30,989	--	--	79,625	81,987
Kentucky	23,787	24,863	16,945	17,307	40,991	39,739	--	--	81,722	81,908
Mississippi	16,732	17,936	12,677	12,729	15,335	14,923	--	--	44,743	45,589
Tennessee	36,856	39,738	26,056	26,851	26,315	26,332	2	2	89,228	92,922
West South Central	193,441	205,061	175,453	170,593	144,144	151,895	75	73	513,113	527,622
Arkansas	16,451	17,375	11,193	11,272	15,588	15,661	NM	*	43,233	44,308
Louisiana	27,876	29,813	22,403	22,486	27,984	27,531	10	10	78,273	79,840
Oklahoma	20,984	22,467	18,253	18,128	15,072	14,521	--	--	54,309	55,116
Texas	128,129	135,406	123,604	118,707	85,499	94,182	65	63	337,298	348,358
Mountain	87,500	86,582	86,299	85,818	75,581	73,838	89	84	249,469	246,322
Arizona	30,734	30,634	27,312	27,239	11,431	11,335	--	--	69,477	69,207
Colorado	16,789	16,631	18,209	18,253	14,294	14,001	48	45	49,339	48,930
Idaho	7,306	7,450	5,445	5,438	8,805	8,356	--	--	21,556	21,243
Montana	4,301	4,398	4,461	4,463	3,768	3,669	--	--	12,529	12,530
Nevada	11,305	10,629	8,583	8,283	12,646	12,313	8	7	32,542	31,232
New Mexico	6,235	6,221	8,489	8,499	6,678	6,322	--	--	21,403	21,043
Utah	8,381	8,115	9,914	9,669	8,820	8,514	34	31	27,150	26,329
Wyoming	2,448	2,505	3,886	3,975	9,139	9,329	--	--	15,474	15,808
Pacific Contiguous	131,750	130,394	153,126	153,979	79,297	82,502	767	788	364,939	367,663
California	83,060	80,654	111,884	112,826	42,788	45,893	738	759	238,469	240,132
Oregon	16,850	17,258	14,451	14,370	11,011	11,008	23	23	42,335	42,659
Washington	31,840	32,483	26,791	26,783	25,498	25,601	6	6	84,134	84,873
Pacific Noncontiguous	4,421	4,595	5,573	5,700	4,608	4,576	--	--	14,603	14,871
Alaska	1,915	1,907	2,607	2,597	1,254	1,211	--	--	5,776	5,715
Hawaii	2,507	2,688	2,966	3,103	3,355	3,365	--	--	8,827	9,156
U.S. Total	1,260,803	1,306,460	1,220,293	1,223,185	903,139	911,359	6,871	7,017	3,391,107	3,448,020

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

Table 5.5.A. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, November 2012 and 2011 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	545	536	461	476	264	273	3	4	1,273	1,289
Connecticut	166	163	144	148	36	39	1	2	347	352
Maine	52	51	37	37	21	20	--	--	110	109
Massachusetts	209	211	180	187	170	176	2	2	560	575
New Hampshire	53	54	47	47	18	18	--	--	118	119
Rhode Island	30	30	32	35	8	8	*	*	71	73
Vermont	35	26	22	22	11	12	--	--	67	60
Middle Atlantic	1,441	1,430	1,469	1,532	404	436	38	36	3,353	3,434
New Jersey	311	278	347	362	59	69	2	2	719	711
New York	635	649	809	846	71	75	31	29	1,545	1,599
Pennsylvania	495	503	314	324	274	292	5	4	1,089	1,124
East North Central	1,664	1,601	1,304	1,313	1,031	1,059	3	3	4,002	3,976
Illinois	365	390	307	334	200	236	3	3	874	964
Indiana	252	235	162	157	240	235	*	*	655	628
Michigan	361	327	313	302	192	181	*	*	866	810
Ohio	461	427	335	337	264	272	*	*	1,061	1,036
Wisconsin	224	222	187	183	135	135	--	--	546	539
West North Central	740	705	627	590	425	413	*	*	1,792	1,709
Iowa	105	103	70	70	79	77	--	--	254	251
Kansas	94	90	104	98	59	55	--	--	256	244
Minnesota	191	177	156	139	117	117	*	*	464	433
Missouri	216	208	166	169	75	75	*	*	457	453
Nebraska	64	60	56	54	53	52	--	--	172	166
North Dakota	36	33	35	32	28	24	--	--	99	89
South Dakota	34	33	41	27	14	13	--	--	89	72
South Atlantic	2,711	2,509	2,172	2,169	713	729	9	8	5,605	5,415
Delaware	49	40	36	32	20	18	--	--	104	90
District of Columbia	17	14	81	86	1	1	3	2	101	103
Florida	885	859	695	710	109	112	1	1	1,690	1,681
Georgia	377	350	328	332	137	151	1	1	843	833
Maryland	260	221	225	246	22	38	4	3	510	509
North Carolina	429	388	300	285	130	123	*	*	859	795
South Carolina	234	216	158	147	135	132	--	--	527	496
Virginia	365	334	294	283	94	91	1	1	754	709
West Virginia	97	87	55	48	65	63	*	*	216	198
East South Central	828	779	601	605	573	590	*	*	2,003	1,974
Alabama	239	230	170	174	155	157	--	--	565	561
Kentucky	182	163	119	120	190	202	--	--	491	485
Mississippi	124	119	96	95	79	78	--	--	300	292
Tennessee	282	267	216	216	149	153	*	*	648	637
West South Central	1,348	1,296	1,202	1,112	710	759	1	1	3,262	3,168
Arkansas	105	100	68	67	76	74	NM	*	248	241
Louisiana	162	157	148	144	120	134	*	*	430	435
Oklahoma	128	132	101	105	63	66	--	--	292	304
Texas	954	907	886	796	452	485	1	1	2,292	2,189
Mountain	654	630	628	623	366	361	1	1	1,649	1,615
Arizona	197	185	197	191	61	59	--	--	455	435
Colorado	153	152	148	150	88	89	*	*	389	391
Idaho	58	59	31	31	26	26	--	--	115	116
Montana	39	38	34	34	17	18	--	--	91	91
Nevada	69	70	60	62	49	46	*	*	179	179
New Mexico	49	48	63	64	34	31	--	--	147	143
Utah	64	56	65	61	40	39	*	*	169	156
Wyoming	23	23	29	30	52	52	--	--	104	104
Pacific Contiguous	1,364	1,374	1,536	1,485	554	549	5	6	3,459	3,415
California	966	960	1,242	1,193	404	400	5	5	2,617	2,559
Oregon	157	164	108	108	55	52	*	*	320	324
Washington	242	250	186	184	95	96	*	*	522	531
Pacific Noncontiguous	115	120	127	130	109	111	--	--	351	361
Alaska	34	36	36	36	18	19	--	--	88	91
Hawaii	81	85	91	93	91	92	--	--	263	270
U.S. Total	11,411	10,982	10,128	10,034	5,150	5,281	60	59	26,749	26,355

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 5.5.B. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through November 2012 and 2011 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	6,734	6,899	5,599	5,919	3,061	3,230	36	41	15,430	16,089
Connecticut	2,018	2,145	1,752	1,881	419	449	17	17	4,206	4,492
Maine	596	613	430	452	217	249	--	--	1,243	1,314
Massachusetts	2,737	2,742	2,203	2,335	1,991	2,092	15	20	6,946	7,189
New Hampshire	653	676	551	580	212	219	--	--	1,416	1,475
Rhode Island	407	411	400	414	92	95	3	4	902	923
Vermont	324	313	262	257	130	126	--	--	716	696
Middle Atlantic	18,673	19,733	18,832	20,105	4,764	5,376	441	468	42,710	45,682
New Jersey	4,291	4,429	4,599	4,882	755	855	27	31	9,672	10,197
New York	8,237	8,657	10,547	11,201	818	974	352	369	19,955	21,202
Pennsylvania	6,145	6,647	3,686	4,022	3,191	3,548	63	67	13,084	14,283
East North Central	20,631	20,646	15,980	16,043	12,175	12,108	34	36	48,821	48,833
Illinois	4,907	5,114	3,812	4,028	2,453	2,648	29	32	11,202	11,822
Indiana	3,096	3,117	1,996	1,950	2,800	2,707	2	2	7,894	7,776
Michigan	4,432	4,194	3,853	3,677	2,234	2,128	1	*	10,520	9,999
Ohio	5,530	5,598	4,061	4,184	3,064	3,046	2	2	12,658	12,830
Wisconsin	2,666	2,623	2,258	2,204	1,623	1,579	--	--	6,548	6,406
West North Central	9,951	9,860	7,770	7,575	5,158	4,966	3	3	22,882	22,403
Iowa	1,388	1,366	895	875	965	927	--	--	3,249	3,167
Kansas	1,410	1,411	1,318	1,269	681	670	--	--	3,409	3,351
Minnesota	2,294	2,257	1,823	1,788	1,382	1,405	1	1	5,500	5,451
Missouri	3,195	3,235	2,303	2,318	959	939	1	1	6,458	6,493
Nebraska	896	847	714	673	706	632	--	--	2,317	2,152
North Dakota	360	350	366	336	306	246	--	--	1,032	931
South Dakota	407	395	350	317	159	147	--	--	916	858
South Atlantic	35,158	36,714	26,228	26,694	8,394	8,605	100	110	69,880	72,124
Delaware	569	588	399	420	213	213	--	--	1,181	1,222
District of Columbia	224	256	968	1,071	11	14	26	30	1,229	1,372
Florida	11,912	12,500	8,197	8,345	1,243	1,335	6	7	21,358	22,186
Georgia	5,524	5,947	4,045	4,289	1,699	1,927	11	13	11,279	12,175
Maryland	3,125	3,349	2,916	3,202	343	406	40	46	6,424	7,003
North Carolina	5,400	5,488	3,703	3,492	1,573	1,475	1	*	10,677	10,455
South Carolina	3,033	3,139	1,886	1,859	1,555	1,539	--	--	6,474	6,537
Virginia	4,383	4,453	3,511	3,438	1,067	1,031	15	14	8,976	8,936
West Virginia	988	994	603	579	690	665	*	*	2,283	2,238
East South Central	10,838	11,450	7,449	7,583	6,953	6,943	*	*	25,240	25,976
Alabama	3,213	3,379	2,138	2,154	1,933	1,936	--	--	7,284	7,469
Kentucky	2,219	2,288	1,466	1,470	2,200	2,122	--	--	5,885	5,879
Mississippi	1,705	1,825	1,175	1,206	946	978	--	--	3,826	4,008
Tennessee	3,701	3,959	2,671	2,753	1,874	1,907	*	*	8,246	8,620
West South Central	19,998	21,437	14,051	14,648	7,862	9,171	8	7	41,919	45,263
Arkansas	1,533	1,572	860	846	883	885	*	*	3,275	3,302
Louisiana	2,328	2,690	1,739	1,908	1,320	1,583	1	1	5,388	6,181
Oklahoma	1,993	2,150	1,331	1,386	760	797	--	--	4,085	4,332
Texas	14,145	15,026	10,121	10,509	4,899	5,907	7	6	29,172	31,448
Mountain	9,584	9,205	7,776	7,643	4,699	4,528	9	8	22,067	21,384
Arizona	3,484	3,422	2,618	2,606	752	750	--	--	6,855	6,778
Colorado	1,918	1,882	1,705	1,731	995	993	5	4	4,622	4,610
Idaho	620	591	373	352	492	431	--	--	1,485	1,374
Montana	435	430	408	407	190	194	--	--	1,033	1,031
Nevada	1,337	1,238	759	753	829	835	1	1	2,926	2,827
New Mexico	714	687	789	773	390	387	--	--	1,893	1,847
Utah	835	728	803	715	499	435	3	3	2,141	1,880
Wyoming	241	228	320	306	551	504	--	--	1,112	1,037
Pacific Contiguous	17,283	16,245	18,635	18,081	6,298	6,331	61	64	42,277	40,722
California	12,909	11,916	15,373	14,907	4,629	4,685	58	62	32,969	31,570
Oregon	1,659	1,645	1,208	1,173	619	602	2	2	3,489	3,421
Washington	2,715	2,684	2,054	2,002	1,050	1,044	1	1	5,820	5,730
Pacific Noncontiguous	1,280	1,264	1,422	1,394	1,246	1,142	--	--	3,948	3,800
Alaska	344	335	386	393	210	191	--	--	940	919
Hawaii	937	929	1,036	1,001	1,036	952	--	--	3,008	2,881
U.S. Total	150,132	153,452	123,742	125,686	60,610	62,401	690	739	335,174	342,277

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, November 2012 and 2011 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011	November 2012	November 2011
New England	15.42	15.83	13.52	14.02	11.78	12.22	6.93	7.76	13.79	14.22
Connecticut	17.83	18.49	14.90	15.56	12.72	12.83	8.99	10.86	15.82	16.34
Maine	14.83	15.35	11.59	12.26	8.40	8.54	--	--	11.96	12.43
Massachusetts	13.79	14.49	13.44	13.81	12.44	13.03	5.40	5.38	13.19	13.74
New Hampshire	16.00	16.65	13.43	13.92	12.08	11.89	--	--	14.21	14.62
Rhode Island	13.07	13.19	11.37	11.85	10.65	11.01	12.30	14.09	11.95	12.28
Vermont	19.97	16.59	13.74	14.17	9.36	9.95	--	--	15.03	13.90
Middle Atlantic	14.97	15.75	12.46	12.91	7.38	7.60	12.94	11.89	12.33	12.73
New Jersey	15.24	16.15	12.31	12.72	10.53	10.57	10.81	10.05	13.23	13.57
New York	17.26	17.93	14.27	14.61	6.13	6.92	14.40	12.76	14.42	14.92
Pennsylvania	12.68	13.46	9.48	10.03	7.29	7.30	8.56	8.78	9.86	10.19
East North Central	11.95	12.03	9.45	9.38	6.52	6.45	5.71	6.68	9.18	9.09
Illinois	11.34	12.38	8.01	8.67	5.68	6.45	5.45	6.54	8.24	9.00
Indiana	10.31	10.29	8.99	8.67	6.29	6.14	9.65	10.11	8.11	7.91
Michigan	13.99	12.95	10.86	10.06	7.59	6.86	8.77	7.63	10.84	9.92
Ohio	11.58	11.70	9.58	9.48	6.46	6.16	7.33	6.76	9.16	8.91
Wisconsin	13.24	13.08	10.49	10.30	7.31	7.24	--	--	10.26	10.11
West North Central	9.97	9.82	8.02	7.75	5.87	5.60	7.14	6.56	7.97	7.71
Iowa	10.37	10.30	7.50	7.53	4.89	4.85	--	--	7.12	7.11
Kansas	10.88	10.45	8.90	8.53	6.71	6.50	--	--	8.82	8.51
Minnesota	11.04	10.62	8.68	7.96	6.42	5.93	8.67	7.15	8.68	8.04
Missouri	9.11	9.22	7.36	7.37	5.28	5.19	5.91	6.02	7.55	7.54
Nebraska	9.39	9.04	7.99	7.61	6.14	5.68	--	--	7.71	7.25
North Dakota	8.62	8.66	7.99	7.59	6.65	6.22	--	--	7.74	7.49
South Dakota	9.92	9.61	7.61	7.73	6.54	6.01	--	--	8.14	8.04
South Atlantic	11.17	11.13	9.35	9.49	6.42	6.45	8.57	8.27	9.55	9.53
Delaware	13.61	13.92	10.46	10.34	8.35	8.06	--	--	11.11	10.98
District of Columbia	12.20	11.86	11.61	12.53	6.93	4.85	9.16	8.86	11.53	12.16
Florida	11.90	11.56	10.18	10.07	8.06	8.21	8.97	8.97	10.81	10.61
Georgia	10.11	10.45	9.36	9.60	5.64	6.07	6.68	6.95	8.71	8.96
Maryland	12.41	12.72	9.87	10.61	8.53	8.30	8.66	8.08	10.92	11.16
North Carolina	10.44	10.35	8.30	8.22	5.99	5.79	8.02	7.52	8.68	8.52
South Carolina	11.51	11.39	9.89	9.52	6.02	5.92	--	--	8.98	8.73
Virginia	10.74	10.85	7.92	8.19	6.67	6.57	8.55	8.63	8.84	8.94
West Virginia	9.85	9.65	8.59	8.49	6.48	6.23	8.86	7.56	8.26	7.98
East South Central	10.28	10.31	9.91	9.81	5.74	5.77	11.36	12.43	8.31	8.24
Alabama	10.96	11.15	10.57	10.55	5.78	5.92	--	--	8.71	8.82
Kentucky	9.33	9.41	8.73	8.63	5.14	5.15	--	--	7.01	6.89
Mississippi	10.57	10.56	9.40	9.41	5.74	6.04	--	--	8.38	8.52
Tennessee	10.30	10.15	10.43	10.20	6.68	6.47	11.36	12.43	9.19	8.94
West South Central	10.43	10.46	7.76	8.31	5.43	5.70	10.36	9.79	7.86	8.10
Arkansas	9.46	9.29	7.70	7.59	5.57	5.43	NM	10.97	7.42	7.24
Louisiana	8.38	8.62	7.96	8.00	4.73	5.31	9.18	7.28	6.79	7.08
Oklahoma	9.48	9.51	6.81	7.13	4.65	5.15	--	--	6.98	7.31
Texas	11.17	11.19	7.86	8.62	5.76	5.95	10.51	10.12	8.29	8.58
Mountain	10.57	10.11	8.77	8.62	5.66	5.52	9.69	9.19	8.32	8.07
Arizona	10.70	10.31	8.95	8.85	6.14	5.99	--	--	9.03	8.80
Colorado	11.32	11.01	9.48	9.46	6.99	7.32	9.99	9.93	9.33	9.35
Idaho	8.47	7.86	6.81	6.39	4.77	4.47	--	--	6.84	6.38
Montana	10.05	9.80	9.34	8.93	5.12	5.24	--	--	8.32	8.08
Nevada	12.44	11.75	8.80	9.00	4.39	4.13	7.65	7.19	7.57	7.41
New Mexico	10.71	10.29	8.92	9.12	5.58	5.72	--	--	8.24	8.35
Utah	9.71	8.98	7.73	7.28	5.24	4.71	9.66	8.63	7.48	6.82
Wyoming	10.02	9.54	8.48	7.74	6.01	5.72	--	--	7.25	6.83
Pacific Contiguous	12.63	12.37	11.57	10.97	7.88	7.56	7.44	7.91	11.09	10.67
California	15.07	14.87	12.88	12.13	10.50	9.83	7.40	7.90	13.11	12.52
Oregon	9.84	9.70	8.50	8.35	5.85	5.64	8.23	7.95	8.40	8.29
Washington	8.61	8.44	7.86	7.64	4.23	4.26	9.52	8.95	7.04	6.95
Pacific Noncontiguous	27.39	27.95	24.71	24.87	25.91	26.63	--	--	25.91	26.37
Alaska	17.07	17.92	14.58	14.56	14.95	16.93	--	--	15.53	16.22
Hawaii	36.72	36.56	34.08	34.39	30.21	30.20	--	--	33.33	33.43
U.S. Total	11.74	11.78	9.88	9.98	6.53	6.53	10.30	9.93	9.58	9.58

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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 November 2012 and 2011 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD	November 2012 YTD	November 2011 YTD
New England	15.74	15.87	13.73	14.32	12.04	12.56	6.89	7.91	14.09	14.49
Connecticut	17.37	18.10	14.72	15.59	12.77	13.24	9.72	10.17	15.59	16.35
Maine	14.72	15.40	11.56	12.29	7.79	8.96	--	--	11.78	12.59
Massachusetts	14.91	14.62	13.87	14.34	12.93	13.37	4.85	6.24	13.91	14.09
New Hampshire	16.11	16.51	13.40	14.05	11.80	12.29	--	--	14.21	14.74
Rhode Island	14.28	14.33	11.97	12.34	10.80	11.22	13.20	14.12	12.77	13.02
Vermont	17.25	16.27	14.34	13.99	9.96	9.82	--	--	14.30	13.79
Middle Atlantic	15.36	15.85	13.01	13.74	7.52	8.22	12.13	12.41	12.81	13.43
New Jersey	15.82	16.25	12.90	13.55	10.55	11.50	9.83	10.73	13.77	14.36
New York	17.70	18.35	15.13	15.93	6.74	7.89	13.71	13.54	15.24	15.99
Pennsylvania	12.83	13.27	9.36	10.06	7.24	7.77	7.84	8.94	9.90	10.47
East North Central	12.04	11.82	9.53	9.52	6.55	6.53	5.99	6.94	9.29	9.23
Illinois	11.44	11.84	8.23	8.69	5.94	6.44	5.78	6.82	8.55	9.01
Indiana	10.38	10.08	9.07	8.77	6.35	6.17	9.52	9.75	8.23	8.01
Michigan	14.15	13.27	10.95	10.34	7.69	7.32	7.92	8.69	11.01	10.39
Ohio	11.70	11.47	9.48	9.66	6.19	6.12	6.98	6.65	9.07	9.04
Wisconsin	13.33	13.05	10.59	10.44	7.45	7.34	--	--	10.37	10.21
West North Central	10.62	10.19	8.50	8.29	6.26	6.11	7.79	7.57	8.55	8.32
Iowa	10.91	10.55	8.03	7.91	5.35	5.26	--	--	7.75	7.61
Kansas	11.20	10.70	9.15	8.82	6.89	6.73	--	--	9.24	8.93
Minnesota	11.41	11.03	8.88	8.71	6.61	6.47	8.69	8.21	8.93	8.69
Missouri	10.18	9.85	8.23	8.12	5.89	5.90	7.07	7.01	8.54	8.40
Nebraska	10.11	9.42	8.43	8.02	6.87	6.48	--	--	8.39	7.93
North Dakota	9.13	8.60	8.00	7.59	6.66	6.24	--	--	7.87	7.49
South Dakota	10.03	9.37	8.04	7.78	6.58	6.21	--	--	8.46	8.06
South Atlantic	11.39	11.21	9.39	9.47	6.52	6.68	8.41	9.09	9.73	9.75
Delaware	13.61	13.71	10.09	10.68	8.30	8.99	--	--	11.04	11.53
District of Columbia	12.30	13.49	12.02	12.96	5.42	7.01	8.75	10.33	11.84	12.87
Florida	11.53	11.51	9.76	9.84	8.05	8.59	8.55	8.81	10.53	10.62
Georgia	11.07	11.12	9.49	9.89	5.91	6.63	7.72	7.97	9.29	9.66
Maryland	12.86	13.36	10.53	11.32	8.13	8.81	8.34	9.10	11.33	11.98
North Carolina	10.86	10.27	8.62	8.14	6.35	6.03	7.90	7.01	9.09	8.65
South Carolina	11.59	11.04	9.56	9.30	5.96	5.95	--	--	9.00	8.80
Virginia	11.18	10.66	8.14	7.94	6.72	6.49	8.54	8.19	9.12	8.83
West Virginia	9.87	9.38	8.43	8.14	6.33	6.16	8.36	8.49	8.13	7.85
East South Central	10.25	10.14	9.82	9.79	6.11	6.20	11.32	12.00	8.55	8.59
Alabama	11.35	11.11	10.59	10.46	6.21	6.25	--	--	9.15	9.11
Kentucky	9.33	9.20	8.65	8.49	5.37	5.34	--	--	7.20	7.18
Mississippi	10.19	10.17	9.27	9.47	6.17	6.55	--	--	8.55	8.79
Tennessee	10.04	9.96	10.25	10.25	7.12	7.24	11.32	12.00	9.24	9.28
West South Central	10.34	10.45	8.01	8.59	5.45	6.04	10.30	9.87	8.17	8.58
Arkansas	9.32	9.05	7.68	7.50	5.66	5.65	NM	11.08	7.58	7.45
Louisiana	8.35	9.02	7.76	8.48	4.72	5.75	8.69	8.56	6.88	7.74
Oklahoma	9.50	9.57	7.29	7.64	5.05	5.49	--	--	7.52	7.86
Texas	11.04	11.10	8.19	8.85	5.73	6.27	10.54	10.07	8.65	9.03
Mountain	10.95	10.63	9.01	8.91	6.22	6.13	9.59	9.55	8.85	8.68
Arizona	11.34	11.17	9.59	9.57	6.58	6.62	--	--	9.87	9.79
Colorado	11.43	11.32	9.36	9.48	6.96	7.09	9.63	9.85	9.37	9.42
Idaho	8.48	7.93	6.85	6.48	5.59	5.16	--	--	6.89	6.47
Montana	10.11	9.77	9.15	9.12	5.04	5.29	--	--	8.25	8.23
Nevada	11.83	11.65	8.85	9.09	6.56	6.78	8.46	8.69	8.99	9.05
New Mexico	11.45	11.04	9.30	9.10	5.84	6.12	--	--	8.85	8.78
Utah	9.96	8.97	8.10	7.39	5.66	5.11	9.79	9.31	7.89	7.14
Wyoming	9.85	9.10	8.23	7.70	6.02	5.40	--	--	7.18	6.56
Pacific Contiguous	13.12	12.46	12.17	11.74	7.94	7.67	7.90	8.17	11.58	11.08
California	15.54	14.77	13.74	13.21	10.82	10.21	7.89	8.17	13.83	13.15
Oregon	9.85	9.53	8.36	8.16	5.62	5.47	8.27	7.89	8.24	8.02
Washington	8.53	8.26	7.67	7.47	4.12	4.08	8.18	8.58	6.92	6.75
Pacific Noncontiguous	28.95	27.51	25.51	24.46	27.04	24.97	--	--	27.04	25.56
Alaska	17.94	17.58	14.81	15.14	16.78	15.73	--	--	16.28	16.08
Hawaii	37.36	34.54	34.92	32.26	30.87	28.29	--	--	34.07	31.47
U.S. Total	11.91	11.75	10.14	10.28	6.71	6.85	10.04	10.53	9.88	9.93

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
Notes: - See Glossary for definitions. - Values for 2011 are final. Values for 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.
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, November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**7**	**7**	**--**	**1**	**--**	**0**	**10**
Connecticut	0	17	--	2	--	0	46
Maine	0	4	--	6	--	--	12
Massachusetts	11	15	--	2	--	0	27
New Hampshire	0	56	--	1	--	0	18
Rhode Island	--	44	--	2	--	--	406
Vermont	--	144	--	0	--	0	29
Middle Atlantic	**1**	**5**	**137**	**1**	**16**	**0**	**3**
New Jersey	0	48	--	3	82	0	250
New York	6	6	0	2	--	0	3
Pennsylvania	2	7	137	1	10	0	12
East North Central	*****	**2**	**5**	**1**	**11**	**0**	**19**
Illinois	*	4	--	7	57	0	94
Indiana	*	6	0	4	9	--	16
Michigan	2	8	56	3	0	0	40
Ohio	1	1	0	2	74	0	20
Wisconsin	1	14	0	2	--	0	33
West North Central	**1**	**7**	**0**	**10**	**151**	**0**	**6**
Iowa	2	8	0	14	--	0	53
Kansas	0	4	0	61	--	0	285
Minnesota	3	73	0	4	--	0	55
Missouri	1	13	0	12	--	0	27
Nebraska	2	26	--	21	--	0	38
North Dakota	3	18	--	142	151	--	0
South Dakota	7	251	--	229	--	--	0
South Atlantic	*****	**3**	**0**	**1**	**0**	**0**	**5**
Delaware	2	40	--	5	0	--	--
District of Columbia	--	0	--	173	--	--	--
Florida	*	8	0	1	0	0	82
Georgia	*	8	0	2	--	0	11
Maryland	0	17	--	8	0	0	2
North Carolina	1	6	--	5	--	0	8
South Carolina	0	4	0	3	--	0	25
Virginia	1	5	--	2	--	0	23
West Virginia	*	0	--	17	0	--	16
East South Central	*****	**6**	**0**	**3**	**12**	**0**	**4**
Alabama	*	17	--	4	13	0	5
Kentucky	1	5	0	16	--	--	8
Mississippi	0	15	--	3	--	0	--
Tennessee	*	5	--	4	0	0	6
West South Central	*****	**5**	**3**	**1**	**4**	**0**	**16**
Arkansas	0	6	0	5	--	0	22
Louisiana	0	15	4	3	8	0	0
Oklahoma	1	9	0	2	--	--	39
Texas	*	9	2	2	4	0	45
Mountain	**1**	**4**	**0**	**2**	**11**	**0**	**5**
Arizona	*	5	--	2	--	0	3
Colorado	1	29	--	6	--	--	37
Idaho	53	739	--	4	--	--	12
Montana	4	123	0	201	0	--	6
Nevada	0	4	--	1	0	--	5
New Mexico	0	3	--	7	--	--	99
Utah	3	12	--	9	95	--	44
Wyoming	2	9	--	20	8	--	36
Pacific Contiguous	**1**	**16**	**143**	**1**	**4**	**0**	**2**
California	21	7	143	2	6	0	8
Oregon	0	17	--	1	--	--	3
Washington	0	37	--	7	0	0	2
Pacific Noncontiguous	**3**	**1**	**--**	**20**	**99**	**--**	**21**
Alaska	10	5	--	20	691	--	21
Hawaii	3	1	--	--	94	--	163
U.S. Total	*****	**1**	**2**	**1**	**4**	**0**	**1**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, November 2012 (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	**.**	**--**	**.**	**94**	**2**	**0**	**4**	**1**
Connecticut	.	--	.	--	6	0	5	1
Maine	.	--	.	--	2	--	12	4
Massachusetts	.	--	.	99	7	0	5	2
New Hampshire	.	--	.	--	8	--	33	1
Rhode Island	.	--	.	--	24	--	--	2
Vermont	.	--	.	287	8	--	--	5
Middle Atlantic	**.**	**--**	**.**	**28**	**2**	**0**	**4**	**1**
New Jersey	.	--	.	34	10	0	8	1
New York	.	--	.	18	2	0	6	1
Pennsylvania	.	--	.	74	3	0	5	1
East North Central	**.**	**--**	**.**	**58**	**2**	**0**	**6**	*****
Illinois	.	--	.	80	2	--	21	*
Indiana	.	--	.	301	2	--	4	1
Michigan	.	--	.	--	5	0	10	1
Ohio	.	--	.	87	5	--	0	1
Wisconsin	.	--	.	--	4	--	26	1
West North Central	**.**	**--**	**.**	**--**	**1**	**0**	**11**	**1**
Iowa	.	--	.	--	1	--	--	1
Kansas	.	--	.	--	2	--	--	2
Minnesota	.	--	.	--	2	--	11	2
Missouri	.	--	.	--	2	0	0	1
Nebraska	.	--	.	--	6	--	--	2
North Dakota	.	--	.	--	3	--	43	2
South Dakota	.	--	.	--	2	--	0	2
South Atlantic	**.**	**--**	**.**	**26**	**1**	**0**	**3**	*****
Delaware	.	--	.	121	32	--	--	3
District of Columbia	.	--	.	--	--	--	--	173
Florida	.	--	.	22	3	--	3	1
Georgia	.	--	.	287	3	0	9	1
Maryland	.	--	.	99	6	--	1	1
North Carolina	.	--	.	99	4	0	32	1
South Carolina	.	--	.	--	1	0	0	1
Virginia	.	--	.	--	3	0	5	1
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**3**	**0**	**62**	**1**
Alabama	.	--	.	--	4	--	0	1
Kentucky	.	--	.	--	8	--	0	1
Mississippi	.	--	.	--	3	--	215	1
Tennessee	.	--	.	--	8	0	0	1
West South Central	**.**	**--**	**.**	**35**	**1**	**0**	**11**	**1**
Arkansas	.	--	.	--	3	0	0	1
Louisiana	.	--	.	--	4	--	7	2
Oklahoma	.	--	.	--	1	0	116	1
Texas	.	--	.	35	1	--	19	1
Mountain	**.**	**4**	**.**	**7**	**2**	**0**	**4**	**1**
Arizona	.	--	.	9	7	0	0	*
Colorado	.	--	.	22	4	0	40	2
Idaho	.	22	.	--	8	--	0	8
Montana	.	0	.	--	5	--	0	3
Nevada	.	4	.	7	3	--	44	1
New Mexico	.	--	.	31	4	--	--	1
Utah	.	4	.	374	4	--	4	3
Wyoming	.	--	.	--	2	--	0	2
Pacific Contiguous	**.**	**2**	**.**	**17**	**1**	**0**	**8**	**1**
California	.	2	.	17	2	0	9	1
Oregon	.	75	.	131	4	--	40	2
Washington	.	--	.	0	2	0	17	1
Pacific Noncontiguous	**.**	**0**	**.**	**194**	**8**	**--**	**0**	**5**
Alaska	.	--	.	--	130	--	0	12
Hawaii	.	0	.	194	7	--	0	1
U.S. Total	**.**	**2**	**.**	**8**	**1**	**0**	**2**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**2**	**--**	*****	**--**	**0**	**4**
Connecticut	0	3	--	1	--	0	17
Maine	0	3	--	1	--	--	5
Massachusetts	4	4	--	*	--	0	10
New Hampshire	0	12	--	*	--	0	6
Rhode Island	--	16	--	*	--	--	149
Vermont	--	50	--	0	--	0	11
Middle Atlantic	*****	**2**	**61**	*****	**4**	**0**	**1**
New Jersey	0	10	--	1	16	0	73
New York	2	2	0	1	--	0	1
Pennsylvania	1	3	61	*	4	0	5
East North Central	*****	**1**	**1**	*****	**2**	**0**	**6**
Illinois	*	2	--	1	11	0	29
Indiana	*	2	0	1	2	--	7
Michigan	*	3	22	1	0	0	11
Ohio	*	1	*	*	12	0	9
Wisconsin	*	9	0	1	--	0	9
West North Central	*****	**2**	**0**	**2**	**29**	**0**	**2**
Iowa	1	3	0	5	--	0	13
Kansas	0	4	0	8	--	0	107
Minnesota	1	12	0	1	--	0	15
Missouri	*	3	0	2	--	0	3
Nebraska	1	5	--	6	--	0	10
North Dakota	1	10	--	52	29	--	0
South Dakota	2	28	--	23	--	--	0
South Atlantic	*****	**1**	**0**	*****	**4**	**0**	**2**
Delaware	1	8	--	1	0	--	--
District of Columbia	--	0	--	52	--	--	--
Florida	*	2	0	*	0	0	29
Georgia	*	4	0	*	--	0	4
Maryland	*	4	--	2	9	0	1
North Carolina	*	2	--	1	--	0	3
South Carolina	*	4	0	1	--	0	7
Virginia	1	1	--	*	--	0	7
West Virginia	*	1	--	3	0	--	6
East South Central	*****	**2**	**0**	**1**	**4**	**0**	**1**
Alabama	*	6	--	1	4	0	2
Kentucky	*	2	0	2	--	--	2
Mississippi	*	4	--	*	--	0	--
Tennessee	*	1	--	*	0	0	2
West South Central	*****	**2**	**1**	*****	**1**	**0**	**2**
Arkansas	0	4	0	1	--	0	3
Louisiana	*	4	2	1	2	0	0
Oklahoma	*	4	0	*	--	--	5
Texas	*	3	1	*	1	0	11
Mountain	*****	**2**	**0**	*****	**3**	**0**	**1**
Arizona	*	3	--	*	--	0	1
Colorado	*	19	--	1	--	--	8
Idaho	16	280	--	2	--	--	3
Montana	2	16	0	38	0	--	2
Nevada	0	1	--	*	0	--	1
New Mexico	0	5	--	1	--	--	29
Utah	1	4	--	2	30	--	12
Wyoming	1	5	--	9	2	--	4
Pacific Contiguous	**1**	**8**	**20**	*****	**1**	**0**	*****
California	3	3	20	1	2	0	2
Oregon	0	6	--	*	--	--	1
Washington	0	22	--	2	0	0	*
Pacific Noncontiguous	**1**	**1**	**--**	**4**	**28**	**--**	**7**
Alaska	3	2	--	4	133	--	7
Hawaii	1	1	--	--	28	--	35
U.S. Total	*****	**1**	**1**	*****	**1**	**0**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Total (All Sectors) by Census Division and State, Year-to-Date through November 2012 (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	**.**	**--**	**.**	**29**	**1**	**0**	**1**	*****
Connecticut	.	--	.	--	2	0	1	*
Maine	.	--	.	--	1	--	3	1
Massachusetts	.	--	.	32	2	0	1	*
New Hampshire	.	--	.	--	3	--	9	*
Rhode Island	.	--	.	--	7	--	--	*
Vermont	.	--	.	80	4	--	--	2
Middle Atlantic	**.**	**--**	**.**	**8**	**1**	**0**	**1**	*****
New Jersey	.	--	.	10	3	0	2	*
New York	.	--	.	5	1	0	2	*
Pennsylvania	.	--	.	25	1	0	1	*
East North Central	**.**	**--**	**.**	**18**	*****	**0**	**2**	*****
Illinois	.	--	.	25	1	--	6	*
Indiana	.	--	.	301	*	--	1	*
Michigan	.	--	.	--	2	0	2	*
Ohio	.	--	.	26	1	--	0	*
Wisconsin	.	--	.	--	1	--	7	*
West North Central	**.**	**--**	**.**	**--**	*****	**0**	**3**	*****
Iowa	.	--	.	--	*	--	--	*
Kansas	.	--	.	--	1	--	--	1
Minnesota	.	--	.	--	1	--	3	*
Missouri	.	--	.	--	1	0	0	*
Nebraska	.	--	.	--	1	--	--	1
North Dakota	.	--	.	--	1	--	11	1
South Dakota	.	--	.	--	1	--	0	1
South Atlantic	**.**	**--**	**.**	**7**	*****	**0**	**1**	*****
Delaware	.	--	.	34	8	--	--	1
District of Columbia	.	--	.	--	--	--	--	46
Florida	.	--	.	6	1	--	1	*
Georgia	.	--	.	105	1	0	2	*
Maryland	.	--	.	34	2	--	*	*
North Carolina	.	--	.	25	1	0	9	*
South Carolina	.	--	.	--	*	0	0	*
Virginia	.	--	.	--	1	0	2	*
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**1**	**0**	**14**	*****
Alabama	.	--	.	--	1	--	0	*
Kentucky	.	--	.	--	2	--	0	*
Mississippi	.	--	.	--	1	--	65	*
Tennessee	.	--	.	--	2	0	0	*
West South Central	**.**	**--**	**.**	**10**	*****	**0**	**3**	*****
Arkansas	.	--	.	--	1	0	0	*
Louisiana	.	--	.	--	2	--	2	*
Oklahoma	.	--	.	--	*	0	37	*
Texas	.	--	.	10	*	--	5	*
Mountain	**.**	**1**	**.**	**3**	*****	**0**	**2**	*****
Arizona	.	--	.	4	2	0	0	*
Colorado	.	--	.	7	1	0	11	*
Idaho	.	6	.	--	2	--	0	2
Montana	.	0	.	--	1	--	0	1
Nevada	.	1	.	3	1	--	11	*
New Mexico	.	--	.	9	1	--	--	*
Utah	.	1	.	115	1	--	2	1
Wyoming	.	--	.	--	1	--	0	1
Pacific Contiguous	**.**	*****	**.**	**4**	*****	**0**	**2**	*****
California	.	*	.	3	*	0	2	*
Oregon	.	75	.	52	1	--	11	1
Washington	.	--	.	0	*	0	5	*
Pacific Noncontiguous	**.**	**0**	**.**	**52**	**2**	**--**	**0**	**1**
Alaska	.	--	.	--	31	--	0	3
Hawaii	.	0	.	52	2	--	0	1
U.S. Total	**.**	*****	**.**	**2**	*****	**0**	**1**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**15**	**--**	**25**	**--**	**--**	**26**
Connecticut	--	61	--	234	--	--	152
Maine	--	137	--	--	--	--	--
Massachusetts	--	8	--	12	--	--	66
New Hampshire	0	17	--	0	--	--	21
Rhode Island	--	34	--	--	--	--	--
Vermont	--	156	--	0	--	--	49
Middle Atlantic	**2,499**	**7**	**--**	**6**	**--**	**--**	**1**
New Jersey	--	303	--	0	--	--	--
New York	2,499	7	--	6	--	--	1
Pennsylvania	--	228	--	871	--	--	8
East North Central	*****	**3**	**0**	**2**	**--**	**0**	**19**
Illinois	0	18	--	182	--	--	163
Indiana	1	4	0	4	--	--	16
Michigan	2	8	0	7	--	0	42
Ohio	1	2	--	4	--	--	20
Wisconsin	1	13	0	3	--	--	35
West North Central	**1**	**7**	**0**	**12**	**--**	**0**	**6**
Iowa	2	8	0	14	--	--	53
Kansas	0	4	0	62	--	0	--
Minnesota	3	83	0	5	--	0	68
Missouri	1	13	0	12	--	0	27
Nebraska	2	26	--	0	--	0	38
North Dakota	3	17	--	0	--	--	0
South Dakota	7	297	--	229	--	--	0
South Atlantic	**0**	**2**	**0**	**1**	**--**	**0**	**7**
Delaware	--	300	--	459	--	--	--
District of Columbia	--	--	--	0	--	--	--
Florida	0	7	0	1	--	0	82
Georgia	0	1	--	*	--	0	11
Maryland	--	50	--	0	--	--	--
North Carolina	0	3	--	6	--	0	10
South Carolina	0	5	0	3	--	0	26
Virginia	0	2	--	0	--	0	23
West Virginia	0	0	--	0	--	--	52
East South Central	*****	**2**	**0**	**5**	**--**	**0**	**4**
Alabama	0	0	--	14	--	0	5
Kentucky	1	5	0	10	--	--	8
Mississippi	0	19	--	3	--	0	--
Tennessee	0	*	--	0	--	0	6
West South Central	**0**	**4**	**0**	**4**	**--**	**0**	**18**
Arkansas	0	0	--	92	--	0	22
Louisiana	0	55	0	6	--	0	--
Oklahoma	0	7	--	3	--	--	39
Texas	0	8	0	8	--	--	46
Mountain	**1**	**4**	**--**	**2**	**--**	**0**	**5**
Arizona	0	1	--	3	--	0	3
Colorado	1	29	--	6	--	--	39
Idaho	--	739	--	0	--	--	12
Montana	105	1,033	--	212	--	--	6
Nevada	0	4	--	0	--	--	3
New Mexico	0	2	--	11	--	--	99
Utah	3	12	--	7	--	--	44
Wyoming	2	8	--	382	--	--	35
Pacific Contiguous	**0**	**15**	**--**	**3**	**171**	**0**	**2**
California	--	3	--	4	171	0	7
Oregon	0	0	--	0	--	--	3
Washington	--	306	--	8	--	0	2
Pacific Noncontiguous	**0**	**1**	**--**	**20**	**--**	**--**	**21**
Alaska	0	5	--	20	--	--	21
Hawaii	--	1	--	--	--	--	344
U.S. Total	*****	**1**	**0**	**1**	**171**	**0**	**1**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, November 2012 (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	**.**	**--**	**.**	**156**	**6**	**--**	**--**	**7**
Connecticut	.	--	.	--	--	--	--	129
Maine	.	--	.	--	--	--	--	137
Massachusetts	.	--	.	156	88	--	--	27
New Hampshire	.	--	.	--	0	--	--	3
Rhode Island	.	--	.	--	--	--	--	34
Vermont	.	--	.	--	0	--	--	22
Middle Atlantic	**.**	**--**	**.**	**83**	**83**	**0**	**--**	**2**
New Jersey	.	--	.	83	83	0	--	5
New York	.	--	.	--	--	0	--	3
Pennsylvania	.	--	.	--	--	--	--	10
East North Central	**.**	**--**	**.**	**324**	**7**	**0**	**0**	*****
Illinois	.	--	.	--	167	--	--	2
Indiana	.	--	.	--	15	--	0	1
Michigan	.	--	.	--	47	0	0	1
Ohio	.	--	.	324	138	--	--	1
Wisconsin	.	--	.	--	1	--	0	1
West North Central	**.**	**--**	**.**	**--**	**1**	**0**	**7**	**1**
Iowa	.	--	.	--	1	--	--	2
Kansas	.	--	.	--	0	--	--	2
Minnesota	.	--	.	--	2	--	0	2
Missouri	.	--	.	--	45	0	0	1
Nebraska	.	--	.	--	12	--	--	2
North Dakota	.	--	.	--	4	--	43	3
South Dakota	.	--	.	--	2	--	0	3
South Atlantic	**.**	**--**	**.**	**10**	**3**	**0**	**--**	*****
Delaware	.	--	.	374	374	--	--	402
District of Columbia	.	--	.	--	--	--	--	0
Florida	.	--	.	0	6	--	--	1
Georgia	.	--	.	--	0	0	--	*
Maryland	.	--	.	426	426	--	--	81
North Carolina	.	--	.	263	49	0	--	1
South Carolina	.	--	.	--	7	0	--	1
Virginia	.	--	.	--	0	0	--	*
West Virginia	.	--	.	--	--	--	--	*
East South Central	**.**	**--**	**.**	**--**	**26**	**0**	**0**	**1**
Alabama	.	--	.	--	233	--	--	2
Kentucky	.	--	.	--	26	--	0	1
Mississippi	.	--	.	--	0	--	--	2
Tennessee	.	--	.	--	0	0	--	1
West South Central	**.**	**--**	**.**	**--**	*****	**0**	**0**	**1**
Arkansas	.	--	.	--	--	0	--	2
Louisiana	.	--	.	--	--	--	--	2
Oklahoma	.	--	.	--	0	0	0	1
Texas	.	--	.	--	2	--	--	2
Mountain	**.**	**0**	**.**	**53**	**2**	**0**	**44**	**1**
Arizona	.	--	.	53	44	0	--	*
Colorado	.	--	.	--	29	0	--	2
Idaho	.	--	.	--	0	--	--	12
Montana	.	--	.	--	54	--	--	8
Nevada	.	--	.	--	0	--	44	*
New Mexico	.	--	.	--	--	--	--	1
Utah	.	0	.	--	0	--	--	3
Wyoming	.	--	.	--	1	--	--	2
Pacific Contiguous	**.**	**0**	**.**	**39**	**3**	**0**	**--**	**1**
California	.	0	.	40	7	0	--	2
Oregon	.	--	.	327	4	--	--	2
Washington	.	--	.	0	4	0	--	1
Pacific Noncontiguous	**.**	**--**	**.**	**--**	**65**	**--**	**0**	**7**
Alaska	.	--	.	--	153	--	0	13
Hawaii	.	--	.	--	0	--	0	1
U.S. Total	**.**	**0**	**.**	**24**	**1**	**0**	**7**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**5**	**--**	**7**	**--**	**--**	**10**
Connecticut	--	19	--	67	--	--	57
Maine	--	52	--	--	--	--	--
Massachusetts	--	4	--	4	--	--	25
New Hampshire	0	2	--	0	--	--	8
Rhode Island	--	13	--	--	--	--	--
Vermont	--	55	--	0	--	--	18
Middle Atlantic	**222**	**2**	**--**	**2**	**--**	**--**	*****
New Jersey	--	91	--	0	--	--	--
New York	222	2	--	2	--	--	*
Pennsylvania	--	86	--	189	--	--	4
East North Central	*****	**1**	**0**	**1**	**--**	**0**	**6**
Illinois	*	7	--	4	--	--	56
Indiana	*	1	0	1	--	--	7
Michigan	*	3	0	2	--	0	12
Ohio	*	1	--	1	--	--	9
Wisconsin	*	8	0	2	--	--	9
West North Central	*****	**2**	**0**	**2**	**--**	**0**	**2**
Iowa	1	3	0	5	--	--	13
Kansas	0	4	0	8	--	0	--
Minnesota	1	13	0	1	--	0	19
Missouri	*	3	0	2	--	0	3
Nebraska	1	5	--	6	--	0	10
North Dakota	1	8	--	958	--	--	0
South Dakota	2	30	--	23	--	--	0
South Atlantic	*****	**1**	**0**	*****	**--**	**0**	**2**
Delaware	--	107	--	106	--	--	--
District of Columbia	--	--	--	54	--	--	--
Florida	*	2	0	*	--	0	29
Georgia	*	2	--	*	--	0	4
Maryland	--	18	--	0	--	--	--
North Carolina	0	1	--	1	--	0	3
South Carolina	*	5	0	1	--	0	7
Virginia	0	1	--	0	--	0	7
West Virginia	*	1	--	0	--	--	19
East South Central	*****	**1**	**0**	**1**	**--**	**0**	**1**
Alabama	*	0	--	4	--	0	2
Kentucky	*	2	0	2	--	--	2
Mississippi	*	5	--	1	--	0	--
Tennessee	0	*	--	0	--	0	2
West South Central	**0**	**3**	**0**	**1**	**--**	**0**	**3**
Arkansas	0	*	--	5	--	0	3
Louisiana	0	13	0	1	--	0	--
Oklahoma	0	3	--	*	--	--	5
Texas	0	4	0	2	--	--	11
Mountain	*****	**2**	**--**	*****	**--**	**0**	**1**
Arizona	0	2	--	*	--	0	1
Colorado	*	19	--	1	--	--	8
Idaho	--	280	--	7	--	--	3
Montana	32	150	--	41	--	--	2
Nevada	0	2	--	0	--	--	1
New Mexico	0	5	--	2	--	--	29
Utah	1	4	--	1	--	--	12
Wyoming	1	4	--	67	--	--	3
Pacific Contiguous	**0**	**4**	**--**	**1**	**50**	**0**	*****
California	--	2	--	1	50	0	1
Oregon	0	0	--	*	--	--	1
Washington	--	33	--	3	--	0	*
Pacific Noncontiguous	**0**	**1**	**--**	**4**	**--**	**--**	**7**
Alaska	0	2	--	4	--	--	7
Hawaii	--	1	--	--	--	--	90
U.S. Total	*****	**1**	**0**	*****	**50**	**0**	*****

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(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through November 2012 (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	**.**	**--**	**.**	**46**	**2**	**--**	**--**	**3**
Connecticut	.	--	.	--	--	--	--	41
Maine	.	--	.	--	--	--	--	52
Massachusetts	.	--	.	46	19	--	--	10
New Hampshire	.	--	.	--	0	--	--	1
Rhode Island	.	--	.	--	--	--	--	13
Vermont	.	--	.	--	0	--	--	11
Middle Atlantic	**.**	**--**	**.**	**23**	**23**	**0**	**--**	**1**
New Jersey	.	--	.	23	23	0	--	3
New York	.	--	.	--	--	0	--	1
Pennsylvania	.	--	.	--	--	--	--	4
East North Central	**.**	**--**	**.**	**98**	**2**	**0**	**0**	*****
Illinois	.	--	.	--	38	--	--	1
Indiana	.	--	.	--	4	--	0	*
Michigan	.	--	.	--	10	0	0	*
Ohio	.	--	.	98	33	--	--	*
Wisconsin	.	--	.	--	*	--	0	*
West North Central	**.**	**--**	**.**	**--**	*****	**0**	**2**	*****
Iowa	.	--	.	--	*	--	--	1
Kansas	.	--	.	--	0	--	--	1
Minnesota	.	--	.	--	1	--	0	1
Missouri	.	--	.	--	12	0	0	*
Nebraska	.	--	.	--	4	--	--	1
North Dakota	.	--	.	--	1	--	11	1
South Dakota	.	--	.	--	*	--	0	1
South Atlantic	**.**	**--**	**.**	**3**	**1**	**0**	**--**	*****
Delaware	.	--	.	104	104	--	--	92
District of Columbia	.	--	.	--	--	--	--	54
Florida	.	--	.	0	2	--	--	*
Georgia	.	--	.	--	0	0	--	*
Maryland	.	--	.	118	107	--	--	28
North Carolina	.	--	.	111	79	0	--	*
South Carolina	.	--	.	--	2	0	--	*
Virginia	.	--	.	--	1	0	--	*
West Virginia	.	--	.	--	--	--	--	*
East South Central	**.**	**--**	**.**	**--**	**7**	**0**	**0**	*****
Alabama	.	--	.	--	98	--	--	1
Kentucky	.	--	.	--	7	--	0	*
Mississippi	.	--	.	--	0	--	--	*
Tennessee	.	--	.	--	0	0	--	*
West South Central	**.**	**--**	**.**	**--**	**1**	**0**	**0**	*****
Arkansas	.	--	.	--	--	0	--	*
Louisiana	.	--	.	--	--	--	--	1
Oklahoma	.	--	.	--	0	0	0	*
Texas	.	--	.	--	4	--	--	1
Mountain	**.**	**0**	**.**	**15**	**1**	**0**	**11**	*****
Arizona	.	--	.	15	13	0	--	*
Colorado	.	--	.	--	8	0	--	*
Idaho	.	--	.	--	0	--	--	2
Montana	.	--	.	--	13	--	--	2
Nevada	.	--	.	--	0	--	11	*
New Mexico	.	--	.	--	--	--	--	*
Utah	.	0	.	--	0	--	--	1
Wyoming	.	--	.	--	*	--	--	1
Pacific Contiguous	**.**	**0**	**.**	**12**	**1**	**0**	**--**	*****
California	.	0	.	12	2	0	--	1
Oregon	.	--	.	91	1	--	--	1
Washington	.	--	.	0	1	0	--	*
Pacific Noncontiguous	**.**	**--**	**.**	**--**	**13**	**--**	**0**	**1**
Alaska	.	--	.	--	36	--	0	3
Hawaii	.	--	.	--	0	--	0	1
U.S. Total	**.**	**0**	**.**	**7**	*****	**0**	**2**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**10**	**5**	**--**	**1**	**--**	**0**	**11**
Connecticut	0	15	--	1	--	0	49
Maine	0	1	--	1	--	--	15
Massachusetts	11	15	--	2	--	0	28
New Hampshire	--	4,082	--	0	--	0	23
Rhode Island	--	128	--	2	--	--	406
Vermont	--	--	--	--	--	0	36
Middle Atlantic	**1**	**6**	**0**	**1**	**0**	**0**	**12**
New Jersey	0	45	--	3	--	0	250
New York	5	12	0	2	--	0	14
Pennsylvania	2	6	0	1	0	0	21
East North Central	*****	**2**	**0**	**1**	**0**	**0**	**88**
Illinois	0	0	--	5	0	0	109
Indiana	1	137,467	0	6	--	--	--
Michigan	0	0	0	3	0	0	148
Ohio	1	2	0	1	0	0	--
Wisconsin	0	0	--	0	--	0	168
West North Central	**--**	**85**	**--**	**6**	**--**	**0**	**106**
Iowa	--	104	--	0	--	0	543
Kansas	--	--	--	--	--	--	285
Minnesota	--	394	--	4	--	--	115
Missouri	--	0	--	35	--	--	--
South Dakota	--	160	--	--	--	--	--
South Atlantic	**1**	**11**	**--**	**3**	**--**	**0**	**5**
Delaware	2	35	--	5	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	0	14	--	10	--	--	--
Georgia	--	33	--	6	--	--	379
Maryland	0	19	--	7	--	0	2
North Carolina	28	51	--	2	--	--	223
South Carolina	0	0	--	36	--	--	166
Virginia	0	15	--	5	--	--	134
West Virginia	*	0	--	0	--	--	8
East South Central	**0**	**136**	**--**	**1**	**--**	**--**	**355**
Alabama	0	136	--	1	--	--	--
Kentucky	--	--	--	255	--	--	355
Mississippi	0	0	--	3	--	--	--
West South Central	**0**	**0**	**0**	**2**	**5**	**0**	**24**
Arkansas	0	0	--	0	--	--	165
Louisiana	0	0	--	12	35	--	0
Oklahoma	0	--	--	6	--	--	--
Texas	0	0	0	2	0	0	174
Mountain	**5**	**42**	**0**	**3**	**0**	**--**	**14**
Arizona	--	--	--	2	--	--	--
Colorado	104	0	--	10	--	--	110
Idaho	--	--	--	4	--	--	63
Montana	4	67	0	613	0	--	13
Nevada	0	0	--	4	0	--	229
New Mexico	--	132	--	7	--	--	--
Utah	113	688	--	64	--	--	432
Wyoming	67	--	--	873	--	--	473
Pacific Contiguous	**2**	**13**	**143**	**1**	**0**	**--**	**34**
California	34	261	143	2	--	--	46
Oregon	--	--	--	1	--	--	66
Washington	0	7	--	0	0	--	71
Pacific Noncontiguous	**3**	**1**	**--**	**--**	**--**	**--**	**0**
Alaska	32	--	--	--	--	--	--
Hawaii	0	1	--	--	--	--	0
U.S. Total	*****	**2**	**5**	**1**	**4**	**0**	**6**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, November 2012 (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	**.**	**--**	**.**	**118**	**3**	**0**	**4**	**1**
Connecticut	.	--	.	--	6	0	5	1
Maine	.	--	.	--	3	--	12	5
Massachusetts	.	--	.	129	6	0	5	2
New Hampshire	.	--	.	--	12	--	33	1
Rhode Island	.	--	.	--	24	--	--	2
Vermont	.	--	.	287	21	--	--	4
Middle Atlantic	**.**	**--**	**.**	**30**	**2**	**0**	**4**	**1**
New Jersey	.	--	.	38	13	--	11	1
New York	.	--	.	0	2	--	5	1
Pennsylvania	.	--	.	80	4	0	6	1
East North Central	**.**	**--**	**.**	**60**	**2**	**--**	**16**	*****
Illinois	.	--	.	80	2	--	0	*
Indiana	.	--	.	301	*	--	--	2
Michigan	.	--	.	--	5	--	16	2
Ohio	.	--	.	92	5	--	--	*
Wisconsin	.	--	.	--	8	--	--	1
West North Central	**.**	**--**	**.**	**--**	**1**	**--**	**22**	**1**
Iowa	.	--	.	--	2	--	--	2
Kansas	.	--	.	--	2	--	--	2
Minnesota	.	--	.	--	3	--	22	3
Missouri	.	--	.	--	1	--	--	4
Nebraska	.	--	.	--	6	--	--	6
North Dakota	.	--	.	--	4	--	--	4
South Dakota	.	--	.	--	3	--	--	3
South Atlantic	**.**	**--**	**.**	**50**	**2**	**--**	**3**	**1**
Delaware	.	--	.	128	31	--	--	3
District of Columbia	.	--	.	--	--	--	--	0
Florida	.	--	.	76	4	--	4	7
Georgia	.	--	.	--	29	--	--	6
Maryland	.	--	.	104	6	--	0	1
North Carolina	.	--	.	103	7	--	32	9
South Carolina	.	--	.	--	55	--	--	34
Virginia	.	--	.	--	7	--	0	3
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**5**	**--**	**--**	**1**
Alabama	.	--	.	--	0	--	--	1
Kentucky	.	--	.	--	--	--	--	226
Mississippi	.	--	.	--	0	--	--	2
Tennessee	.	--	.	--	19	--	--	19
West South Central	**.**	**--**	**.**	**35**	**1**	**--**	**0**	**1**
Arkansas	.	--	.	--	32	--	--	*
Louisiana	.	--	.	--	29	--	--	4
Oklahoma	.	--	.	--	1	--	--	2
Texas	.	--	.	35	1	--	0	1
Mountain	**.**	**4**	**.**	**7**	**2**	**--**	**3**	**2**
Arizona	.	--	.	7	6	--	0	2
Colorado	.	--	.	23	4	--	68	5
Idaho	.	22	.	--	10	--	--	9
Montana	.	0	.	--	3	--	0	4
Nevada	.	4	.	7	3	--	--	2
New Mexico	.	--	.	31	3	--	--	4
Utah	.	23	.	374	5	--	157	34
Wyoming	.	--	.	--	4	--	--	15
Pacific Contiguous	**.**	**2**	**.**	**17**	**2**	**--**	**12**	**1**
California	.	2	.	17	2	--	13	1
Oregon	.	75	.	142	6	--	40	2
Washington	.	--	.	--	1	--	31	1
Pacific Noncontiguous	**.**	**0**	**.**	**194**	**9**	**--**	**0**	**2**
Alaska	.	--	.	--	--	--	0	32
Hawaii	.	0	.	194	9	--	0	2
U.S. Total	**.**	**2**	**.**	**8**	**1**	**0**	**2**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Independent Power Producers by Census Division and State, Year-to-Date through November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**4**	**2**	**--**	*****	**--**	**0**	**4**
Connecticut	0	3	--	*	--	0	18
Maine	0	1	--	*	--	--	6
Massachusetts	4	3	--	*	--	0	10
New Hampshire	--	1,271	--	0	--	0	8
Rhode Island	--	81	--	*	--	--	149
Vermont	--	--	--	--	--	0	13
Middle Atlantic	*****	**2**	**0**	*****	**32**	**0**	**5**
New Jersey	0	9	--	1	--	0	73
New York	2	4	0	*	--	0	6
Pennsylvania	1	3	0	*	32	0	8
East North Central	*****	**1**	**0**	*****	**0**	**0**	**23**
Illinois	0	0	--	1	0	0	30
Indiana	*	42,782	0	1	--	--	--
Michigan	2	0	0	1	0	0	38
Ohio	*	1	0	*	0	0	--
Wisconsin	0	0	--	0	--	0	43
West North Central	**--**	**10**	**--**	**1**	**--**	**0**	**28**
Iowa	--	44	--	1,095	--	0	135
Kansas	--	--	--	--	--	--	107
Minnesota	--	3	--	2	--	--	30
Missouri	--	0	--	1	--	--	--
South Dakota	--	61	--	--	--	--	--
South Atlantic	*****	**2**	**--**	**1**	**--**	**0**	**2**
Delaware	1	7	--	1	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	1	6	--	2	--	--	--
Georgia	--	111	--	1	--	--	104
Maryland	*	4	--	1	--	0	1
North Carolina	7	47	--	1	--	--	69
South Carolina	46	0	--	5	--	--	52
Virginia	10	2	--	1	--	--	47
West Virginia	*	0	--	0	--	--	4
East South Central	**0**	**25**	**--**	*****	**--**	**--**	**132**
Alabama	0	25	--	*	--	--	--
Kentucky	--	--	--	11	--	--	132
Mississippi	0	0	--	*	--	--	--
West South Central	**0**	**0**	**0**	*****	*****	**0**	**4**
Arkansas	0	0	--	0	--	--	58
Louisiana	0	0	--	*	3	--	0
Oklahoma	0	--	--	1	--	--	--
Texas	0	0	0	*	0	0	63
Mountain	**2**	**10**	**0**	**1**	**0**	**--**	**4**
Arizona	--	--	--	*	--	--	--
Colorado	23	0	--	2	--	--	31
Idaho	--	--	--	2	--	--	10
Montana	2	13	0	107	0	--	4
Nevada	0	0	--	1	0	--	59
New Mexico	--	68	--	2	--	--	--
Utah	28	260	--	14	--	--	111
Wyoming	20	--	--	130	--	--	131
Pacific Contiguous	**1**	**4**	**20**	*****	**0**	**--**	**7**
California	4	5	20	1	--	--	8
Oregon	--	--	--	1	--	--	19
Washington	0	6	--	0	0	--	21
Pacific Noncontiguous	**1**	**1**	**--**	**--**	**--**	**--**	**0**
Alaska	10	--	--	--	--	--	--
Hawaii	0	1	--	--	--	--	0
U.S. Total	*****	**1**	**3**	*****	**1**	**0**	**2**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Independent Power Producers by Census Division and State, Year-to-Date through November 2012 (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	**.**	**--**	**.**	**39**	**1**	**0**	**1**	*****
Connecticut	.	--	.	--	2	0	1	*
Maine	.	--	.	--	1	--	3	2
Massachusetts	.	--	.	45	2	0	1	*
New Hampshire	.	--	.	--	5	--	9	1
Rhode Island	.	--	.	--	7	--	--	*
Vermont	.	--	.	80	8	--	--	2
Middle Atlantic	**.**	**--**	**.**	**9**	**1**	**0**	**1**	*****
New Jersey	.	--	.	11	4	--	2	*
New York	.	--	.	0	1	--	1	*
Pennsylvania	.	--	.	28	1	0	2	*
East North Central	**.**	**--**	**.**	**18**	*****	**--**	**5**	*****
Illinois	.	--	.	25	1	--	0	*
Indiana	.	--	.	301	*	--	--	*
Michigan	.	--	.	--	2	--	5	1
Ohio	.	--	.	27	1	--	--	*
Wisconsin	.	--	.	--	3	--	--	*
West North Central	**.**	**--**	**.**	**--**	*****	**--**	**7**	*****
Iowa	.	--	.	--	*	--	--	*
Kansas	.	--	.	--	1	--	--	1
Minnesota	.	--	.	--	1	--	7	1
Missouri	.	--	.	--	*	--	--	1
Nebraska	.	--	.	--	1	--	--	1
North Dakota	.	--	.	--	1	--	--	1
South Dakota	.	--	.	--	1	--	--	1
South Atlantic	**.**	**--**	**.**	**14**	**1**	**--**	**1**	*****
Delaware	.	--	.	35	8	--	--	1
District of Columbia	.	--	.	--	--	--	--	0
Florida	.	--	.	20	1	--	1	1
Georgia	.	--	.	--	11	--	--	1
Maryland	.	--	.	36	2	--	0	*
North Carolina	.	--	.	25	2	--	9	2
South Carolina	.	--	.	--	16	--	--	5
Virginia	.	--	.	--	2	--	0	1
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**1**	**--**	**--**	*****
Alabama	.	--	.	--	0	--	--	*
Kentucky	.	--	.	--	--	--	--	11
Mississippi	.	--	.	--	0	--	--	*
Tennessee	.	--	.	--	5	--	--	5
West South Central	**.**	**--**	**.**	**10**	*****	**--**	**0**	*****
Arkansas	.	--	.	--	8	--	--	*
Louisiana	.	--	.	--	8	--	--	*
Oklahoma	.	--	.	--	*	--	--	*
Texas	.	--	.	10	*	--	0	*
Mountain	**.**	**1**	**.**	**3**	*****	**--**	**1**	**1**
Arizona	.	--	.	3	2	--	0	*
Colorado	.	--	.	8	1	--	17	1
Idaho	.	6	.	--	2	--	--	2
Montana	.	0	.	--	1	--	0	1
Nevada	.	1	.	3	1	--	--	1
New Mexico	.	--	.	9	1	--	--	1
Utah	.	6	.	115	2	--	45	8
Wyoming	.	--	.	--	1	--	--	5
Pacific Contiguous	**.**	*****	**.**	**3**	*****	**--**	**3**	*****
California	.	*	.	3	*	--	4	*
Oregon	.	75	.	63	1	--	11	1
Washington	.	--	.	--	*	--	8	1
Pacific Noncontiguous	**.**	**0**	**.**	**52**	**3**	**--**	**0**	**1**
Alaska	.	--	.	--	--	--	0	10
Hawaii	.	0	.	52	3	--	0	1
U.S. Total	**.**	**1**	**.**	**2**	*****	**0**	**1**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**--**	**42**	**--**	**34**	**--**	**.**	**459**
Connecticut	--	429	--	101	--	.	--
Maine	--	269	--	1,817	--	.	--
Massachusetts	--	44	--	24	--	.	459
New Hampshire	--	98	--	--	--	.	--
Rhode Island	--	359	--	210	--	.	--
Vermont	--	347	--	--	--	.	--
Middle Atlantic	**273**	**36**	**--**	**30**	**0**	**.**	**468**
New Jersey	--	300	--	131	0	.	--
New York	0	38	--	28	--	.	468
Pennsylvania	273	57	--	191	--	.	--
East North Central	**15**	**202**	**--**	**18**	**--**	**.**	**451**
Illinois	20	465	--	17	--	.	833
Indiana	16	1,420	--	202	--	.	--
Michigan	0	116	--	20	--	.	--
Ohio	263	282	--	109	--	.	--
Wisconsin	113	5,382	--	68	--	.	486
West North Central	**25**	**141**	**0**	**55**	**--**	**.**	**--**
Iowa	36	701	0	212	--	.	--
Minnesota	154	153	--	60	--	.	--
Missouri	0	375	--	0	--	.	--
Nebraska	--	--	--	360	--	.	--
North Dakota	--	712	--	--	--	.	--
South Dakota	--	754	--	--	--	.	--
South Atlantic	**55**	**126**	**--**	**82**	**--**	**.**	**171**
District of Columbia	--	0	--	173	--	.	--
Florida	--	0	--	227	--	.	--
Georgia	--	91	--	0	--	.	--
Maryland	0	3,448	--	107	--	.	--
North Carolina	0	263	--	0	--	.	171
South Carolina	--	155	--	995	--	.	0
Virginia	396	80	--	--	--	.	--
East South Central	**102**	**0**	**--**	**123**	**--**	**.**	**--**
Mississippi	--	--	--	268	--	.	--
Tennessee	102	0	--	138	--	.	--
West South Central	**--**	**210**	**--**	**36**	**--**	**.**	**--**
Arkansas	--	--	--	1,113	--	.	--
Louisiana	--	--	--	192	--	.	--
Oklahoma	--	151	--	247	--	.	--
Texas	--	308	--	33	--	.	--
Mountain	**--**	**450**	**--**	**21**	**--**	**.**	**--**
Arizona	--	450	--	37	--	.	--
Colorado	--	0	--	0	--	.	--
Nevada	--	--	--	38	--	.	--
New Mexico	--	--	--	34	--	.	--
Utah	--	0	--	555	--	.	--
Pacific Contiguous	**--**	**172**	**--**	**8**	**0**	**.**	**1,148**
California	--	106	--	8	0	.	1,148
Oregon	--	587	--	108	--	.	--
Washington	--	1,208	--	192	--	.	--
Pacific Noncontiguous	**11**	**145**	**--**	**375**	**--**	**.**	**--**
Alaska	11	171	--	375	--	.	--
Hawaii	--	0	--	--	--	.	--
U.S. Total	**11**	**30**	**0**	**9**	**0**	**.**	**212**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, November 2012 (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	**.**	**.**	**.**	**434**	**33**	**.**	**34**	**24**
Connecticut	.	.	.	--	--	.	--	101
Maine	.	.	.	--	31	.	34	23
Massachusetts	.	.	.	434	199	.	--	23
New Hampshire	.	.	.	--	0	.	--	98
Rhode Island	.	.	.	--	--	.	--	203
Vermont	.	.	.	--	258	.	--	209
Middle Atlantic	**.**	**.**	**.**	**110**	**10**	**.**	**9**	**13**
New Jersey	.	.	.	112	14	.	0	23
New York	.	.	.	406	29	.	32	20
Pennsylvania	.	.	.	0	9	.	0	24
East North Central	**.**	**.**	**.**	**301**	**15**	**.**	**15**	**12**
Illinois	.	.	.	--	0	.	--	14
Indiana	.	.	.	--	70	.	77	36
Michigan	.	.	.	--	14	.	15	12
Ohio	.	.	.	301	301	.	--	104
Wisconsin	.	.	.	--	92	.	1,238	63
West North Central	**.**	**.**	**.**	**--**	**47**	**.**	**66**	**21**
Iowa	.	.	.	--	59	.	--	30
Minnesota	.	.	.	--	96	.	66	43
Missouri	.	.	.	--	--	.	0	*
Nebraska	.	.	.	--	89	.	--	100
North Dakota	.	.	.	--	--	.	--	712
South Dakota	.	.	.	--	--	.	--	754
South Atlantic	**.**	**.**	**.**	**208**	**14**	**.**	**14**	**21**
Delaware	.	.	.	--	247	.	--	247
District of Columbia	.	.	.	--	--	.	--	173
Florida	.	.	.	426	53	.	--	102
Georgia	.	.	.	287	66	.	--	63
Maryland	.	.	.	426	41	.	459	72
North Carolina	.	.	.	--	--	.	--	22
South Carolina	.	.	.	--	--	.	--	666
Virginia	.	.	.	--	13	.	14	12
East South Central	**.**	**.**	**.**	**--**	**--**	**.**	**0**	**102**
Mississippi	.	.	.	--	--	.	0	268
Tennessee	.	.	.	--	--	.	--	109
West South Central	**.**	**.**	**.**	**360**	**52**	**.**	**--**	**33**
Arkansas	.	.	.	--	143	.	--	168
Louisiana	.	.	.	--	--	.	--	192
Oklahoma	.	.	.	--	--	.	--	242
Texas	.	.	.	360	55	.	--	31
Mountain	**.**	**.**	**.**	**61**	**58**	**.**	**--**	**20**
Arizona	.	.	.	301	151	.	--	37
Colorado	.	.	.	104	104	.	--	104
Nevada	.	.	.	63	63	.	--	33
New Mexico	.	.	.	--	322	.	--	35
Utah	.	.	.	--	--	.	--	555
Pacific Contiguous	**.**	**.**	**.**	**73**	**8**	**.**	**0**	**6**
California	.	.	.	73	8	.	0	6
Oregon	.	.	.	--	63	.	--	68
Washington	.	.	.	--	--	.	--	189
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**0**	**.**	**0**	**5**
Alaska	.	.	.	--	--	.	--	11
Hawaii	.	.	.	--	0	.	0	0
U.S. Total	**.**	**.**	**.**	**46**	**6**	**.**	**7**	**5**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.4.B. Relative Standard Error for Net Generation by Fuel Type:
Commercial Sector by Census Division and State, Year-to-Date through November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**--**	**13**	**--**	**7**	**--**	**.**	**157**
Connecticut	--	429	--	17	--	.	--
Maine	--	84	--	339	--	.	--
Massachusetts	--	14	--	5	--	.	157
New Hampshire	--	31	--	--	--	.	--
Rhode Island	--	112	--	34	--	.	--
Vermont	--	109	--	--	--	.	--
Middle Atlantic	**85**	**17**	**--**	**7**	**107**	**.**	**160**
New Jersey	--	98	--	22	107	.	--
New York	0	19	--	7	--	.	160
Pennsylvania	85	21	--	29	--	.	--
East North Central	**3**	**46**	**--**	**6**	**--**	**.**	**131**
Illinois	11	56	--	5	--	.	833
Indiana	5	428	--	33	--	.	--
Michigan	0	29	--	10	--	.	--
Ohio	82	107	--	18	--	.	--
Wisconsin	34	783	--	28	--	.	132
West North Central	**7**	**74**	**0**	**14**	**--**	**.**	**--**
Iowa	11	216	0	85	--	.	--
Minnesota	46	81	--	24	--	.	--
Missouri	0	142	--	0	--	.	--
Nebraska	--	--	--	135	--	.	--
North Dakota	--	270	--	--	--	.	--
South Dakota	--	285	--	--	--	.	--
South Atlantic	**18**	**39**	**--**	**17**	**--**	**.**	**55**
District of Columbia	--	0	--	173	--	.	--
Florida	--	0	--	57	--	.	--
Georgia	--	35	--	0	--	.	--
Maryland	0	1,142	--	18	--	.	--
North Carolina	0	116	--	0	--	.	55
South Carolina	--	59	--	186	--	.	556
Virginia	57	5	--	--	--	.	--
East South Central	**31**	**0**	**--**	**23**	**--**	**.**	**--**
Mississippi	--	--	--	80	--	.	--
Tennessee	31	0	--	23	--	.	--
West South Central	**--**	**79**	**--**	**10**	**--**	**.**	**--**
Arkansas	--	--	--	446	--	.	--
Louisiana	--	--	--	58	--	.	--
Oklahoma	--	57	--	58	--	.	--
Texas	--	116	--	9	--	.	--
Mountain	**--**	**170**	**--**	**11**	**--**	**.**	**--**
Arizona	--	170	--	20	--	.	--
Colorado	--	0	--	0	--	.	--
Nevada	--	--	--	21	--	.	--
New Mexico	--	--	--	18	--	.	--
Utah	--	0	--	118	--	.	--
Pacific Contiguous	**--**	**148**	**--**	**4**	**0**	**.**	**132**
California	--	57	--	4	0	.	132
Oregon	--	242	--	41	--	.	--
Washington	--	704	--	87	--	.	--
Pacific Noncontiguous	**4**	**62**	**--**	**121**	**--**	**.**	**--**
Alaska	4	100	--	121	--	.	--
Hawaii	--	0	--	--	--	.	--
U.S. Total	**3**	**10**	**0**	**3**	**107**	**.**	**58**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through November 2012 (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	**.**	**.**	**.**	**95**	**8**	**.**	**10**	**5**
Connecticut	.	.	.	--	--	.	--	17
Maine	.	.	.	--	8	.	10	6
Massachusetts	.	.	.	95	41	.	--	5
New Hampshire	.	.	.	--	0	.	--	31
Rhode Island	.	.	.	--	--	.	--	33
Vermont	.	.	.	--	72	.	--	63
Middle Atlantic	**.**	**.**	**.**	**28**	**3**	**.**	**3**	**3**
New Jersey	.	.	.	29	4	.	0	5
New York	.	.	.	121	8	.	9	5
Pennsylvania	.	.	.	252	2	.	0	6
East North Central	**.**	**.**	**.**	**301**	**3**	**.**	**4**	**4**
Illinois	.	.	.	--	1,113	.	--	4
Indiana	.	.	.	--	19	.	22	9
Michigan	.	.	.	--	3	.	4	5
Ohio	.	.	.	301	301	.	--	18
Wisconsin	.	.	.	--	23	.	508	24
West North Central	**.**	**.**	**.**	**--**	**12**	**.**	**19**	**7**
Iowa	.	.	.	--	15	.	--	10
Minnesota	.	.	.	--	23	.	19	17
Missouri	.	.	.	--	--	.	0	*
Nebraska	.	.	.	--	23	.	--	37
North Dakota	.	.	.	--	--	.	--	270
South Dakota	.	.	.	--	--	.	--	285
South Atlantic	**.**	**.**	**.**	**72**	**4**	**.**	**4**	**5**
Delaware	.	.	.	--	59	.	--	59
District of Columbia	.	.	.	--	--	.	--	173
Florida	.	.	.	183	14	.	--	30
Georgia	.	.	.	105	19	.	--	18
Maryland	.	.	.	119	11	.	148	13
North Carolina	.	.	.	--	--	.	--	9
South Carolina	.	.	.	--	--	.	--	152
Virginia	.	.	.	--	3	.	4	3
East South Central	**.**	**.**	**.**	**--**	**--**	**.**	**0**	**21**
Mississippi	.	.	.	--	--	.	0	80
Tennessee	.	.	.	--	--	.	--	20
West South Central	**.**	**.**	**.**	**184**	**13**	**.**	**--**	**9**
Arkansas	.	.	.	--	37	.	--	52
Louisiana	.	.	.	--	--	.	--	58
Oklahoma	.	.	.	--	--	.	--	57
Texas	.	.	.	184	14	.	--	9
Mountain	**.**	**.**	**.**	**15**	**13**	**.**	**--**	**9**
Arizona	.	.	.	84	46	.	--	18
Colorado	.	.	.	29	24	.	--	20
Nevada	.	.	.	16	16	.	--	14
New Mexico	.	.	.	--	74	.	--	18
Utah	.	.	.	--	--	.	--	118
Pacific Contiguous	**.**	**.**	**.**	**22**	**2**	**.**	**0**	**3**
California	.	.	.	22	2	.	0	3
Oregon	.	.	.	--	16	.	--	27
Washington	.	.	.	--	--	.	--	87
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**0**	**.**	**0**	**2**
Alaska	.	.	.	--	--	.	--	4
Hawaii	.	.	.	--	0	.	0	0
U.S. Total	**.**	**.**	**.**	**12**	**2**	**.**	**2**	**2**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**47**	**29**	**--**	**16**	**--**	**.**	**15**
Connecticut	--	245	--	94	--	.	--
Maine	0	19	--	14	--	.	14
Massachusetts	81	4,150	--	116	--	.	442
New Hampshire	--	3,957	--	286	--	.	488
Vermont	--	--	--	--	--	.	221
Middle Atlantic	**11**	**9**	**137**	**35**	**15**	**.**	**127**
New Jersey	--	437	--	65	81	.	--
New York	0	2	--	60	--	.	127
Pennsylvania	14	113	137	52	10	.	--
East North Central	**5**	**34**	**24**	**29**	**11**	**.**	**116**
Illinois	5	3,142	--	73	57	.	--
Indiana	67	29	--	45	9	.	--
Michigan	25	0	136	42	--	.	292
Ohio	21	0	0	178	74	.	--
Wisconsin	8	332	0	39	--	.	126
West North Central	**7**	**175**	**0**	**60**	**151**	**.**	**149**
Iowa	7	344	0	267	--	.	--
Kansas	--	--	--	351	--	.	--
Minnesota	17	295	--	79	--	.	149
Missouri	74	0	--	985	--	.	--
Nebraska	26	--	--	122	--	.	--
North Dakota	49	230	--	143	151	.	--
South Atlantic	**12**	**16**	**0**	**13**	**0**	**.**	**12**
Delaware	--	--	--	0	0	.	--
Florida	66	58	--	24	0	.	--
Georgia	17	23	0	23	--	.	232
Maryland	0	0	--	142	0	.	--
North Carolina	61	113	--	81	--	.	17
South Carolina	0	0	--	39	--	.	--
Virginia	23	26	--	41	--	.	324
West Virginia	8	--	--	563	0	.	0
East South Central	**5**	**83**	**--**	**10**	**12**	**.**	**14**
Alabama	23	94	--	11	13	.	--
Kentucky	--	--	--	96	--	.	--
Mississippi	0	0	--	12	--	.	--
Tennessee	4	317	--	101	0	.	14
West South Central	**49**	**100**	**7**	**2**	**5**	**.**	**--**
Arkansas	0	554	0	39	--	.	--
Louisiana	0	0	69	3	6	.	--
Oklahoma	81	0	0	93	--	.	--
Texas	1,977	325	2	3	9	.	--
Mountain	**26**	**262**	**--**	**10**	**11**	**.**	**--**
Arizona	102	251	--	281	--	.	--
Colorado	--	2,355	--	84	--	.	--
Idaho	53	--	--	35	--	.	--
Montana	168	0	--	0	0	.	--
Nevada	--	--	--	24	--	.	--
New Mexico	--	0	--	45	--	.	--
Utah	0	--	--	21	95	.	--
Wyoming	22	1,319	--	13	8	.	--
Pacific Contiguous	**0**	**66**	**0**	**3**	**6**	**.**	**933**
California	0	60	0	3	6	.	--
Oregon	--	0	--	65	--	.	--
Washington	0	74	--	0	--	.	933
Pacific Noncontiguous	**398**	**17**	**--**	**89**	**99**	**.**	**220**
Alaska	--	17	--	89	691	.	--
Hawaii	398	28	--	--	94	.	220
U.S. Total	**4**	**9**	**7**	**2**	**5**	**.**	**11**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, November 2012 (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	**.**	**.**	**.**	**--**	**2**	**.**	**12**	**7**
Connecticut	.	.	.	--	--	.	346	92
Maine	.	.	.	--	2	.	0	6
Massachusetts	.	.	.	--	--	.	--	89
New Hampshire	.	.	.	--	0	.	--	252
Vermont	.	.	.	--	--	.	--	221
Middle Atlantic	**.**	**.**	**.**	**180**	**7**	**.**	**0**	**11**
New Jersey	.	.	.	426	426	.	0	53
New York	.	.	.	--	8	.	--	17
Pennsylvania	.	.	.	196	10	.	--	12
East North Central	**.**	**.**	**.**	**--**	**5**	**.**	**8**	**5**
Illinois	.	.	.	--	0	.	21	9
Indiana	.	.	.	--	72	.	0	9
Michigan	.	.	.	--	8	.	0	13
Ohio	.	.	.	--	12	.	0	17
Wisconsin	.	.	.	--	8	.	64	8
West North Central	**.**	**.**	**.**	**--**	**8**	**.**	**53**	**7**
Iowa	.	.	.	--	0	.	--	7
Kansas	.	.	.	--	--	.	--	351
Minnesota	.	.	.	--	8	.	53	12
Missouri	.	.	.	--	188	.	--	73
Nebraska	.	.	.	--	--	.	--	26
North Dakota	.	.	.	--	158	.	--	47
South Atlantic	**.**	**.**	**.**	**--**	**2**	**.**	**4**	**3**
Delaware	.	.	.	--	--	.	--	0
Florida	.	.	.	--	6	.	4	7
Georgia	.	.	.	--	3	.	9	5
Maryland	.	.	.	--	0	.	--	17
North Carolina	.	.	.	--	5	.	0	9
South Carolina	.	.	.	--	0	.	0	1
Virginia	.	.	.	--	4	.	0	9
West Virginia	.	.	.	--	--	.	0	5
East South Central	**.**	**.**	**.**	**--**	**3**	**.**	**190**	**3**
Alabama	.	.	.	--	4	.	0	4
Kentucky	.	.	.	--	3	.	--	38
Mississippi	.	.	.	--	3	.	215	6
Tennessee	.	.	.	--	8	.	0	5
West South Central	**.**	**.**	**.**	**--**	**3**	**.**	**11**	**2**
Arkansas	.	.	.	--	3	.	0	5
Louisiana	.	.	.	--	4	.	7	2
Oklahoma	.	.	.	--	18	.	116	32
Texas	.	.	.	--	8	.	19	3
Mountain	**.**	**.**	**.**	**335**	**3**	**.**	**10**	**8**
Arizona	.	.	.	--	--	.	--	97
Colorado	.	.	.	--	399	.	49	43
Idaho	.	.	.	--	3	.	0	9
Montana	.	.	.	--	--	.	--	168
Nevada	.	.	.	335	335	.	--	24
New Mexico	.	.	.	--	--	.	--	45
Utah	.	.	.	--	--	.	0	12
Wyoming	.	.	.	--	--	.	0	10
Pacific Contiguous	**.**	**.**	**.**	**309**	**5**	**.**	**10**	**2**
California	.	.	.	309	12	.	11	2
Oregon	.	.	.	--	7	.	0	13
Washington	.	.	.	--	6	.	0	6
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**30**	**.**	**--**	**32**
Alaska	.	.	.	--	213	.	--	51
Hawaii	.	.	.	--	31	.	--	41
U.S. Total	**.**	**.**	**.**	**149**	**1**	**.**	**4**	**1**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through November 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**14**	**8**	**--**	**3**	**--**	**.**	**7**
Connecticut	--	78	--	15	--	.	--
Maine	0	5	--	3	--	.	6
Massachusetts	25	1,419	--	18	--	.	150
New Hampshire	--	1,316	--	47	--	.	156
Vermont	--	--	--	--	--	.	82
Middle Atlantic	**3**	**3**	**61**	**6**	**4**	**.**	**48**
New Jersey	--	139	--	11	16	.	--
New York	0	1	--	13	--	.	48
Pennsylvania	4	39	61	9	3	.	--
East North Central	**1**	**14**	**10**	**6**	**3**	**.**	**30**
Illinois	2	1,264	--	12	11	.	--
Indiana	21	10	--	8	2	.	--
Michigan	10	0	52	14	--	.	74
Ohio	5	0	212	28	14	.	--
Wisconsin	2	191	0	20	--	.	32
West North Central	**2**	**98**	**0**	**19**	**29**	**.**	**36**
Iowa	2	130	0	70	--	.	--
Kansas	--	--	--	66	--	.	--
Minnesota	5	147	--	26	--	.	36
Missouri	22	0	--	167	--	.	--
Nebraska	8	--	--	43	--	.	--
North Dakota	15	141	--	52	29	.	--
South Atlantic	**3**	**6**	**0**	**4**	**4**	**.**	**4**
Delaware	--	--	--	0	0	.	--
Florida	17	21	--	6	0	.	--
Georgia	4	9	0	9	--	.	88
Maryland	0	11	--	15	9	.	--
North Carolina	17	28	--	27	--	.	17
South Carolina	4	0	--	18	--	.	--
Virginia	7	12	--	14	--	.	116
West Virginia	2	--	--	84	0	.	*
East South Central	**1**	**19**	**--**	**5**	**4**	**.**	**14**
Alabama	9	22	--	4	4	.	--
Kentucky	--	--	--	16	--	.	--
Mississippi	0	0	--	12	--	.	--
Tennessee	1	91	--	15	0	.	14
West South Central	**11**	**19**	**4**	**1**	**2**	**.**	**--**
Arkansas	0	76	0	13	--	.	--
Louisiana	154	0	30	1	2	.	--
Oklahoma	13	0	0	33	--	.	--
Texas	112	95	1	1	2	.	--
Mountain	**4**	**87**	**--**	**5**	**4**	**.**	**--**
Arizona	17	59	--	110	--	.	--
Colorado	--	892	--	40	--	.	--
Idaho	16	--	--	16	--	.	--
Montana	50	0	--	0	0	.	--
Nevada	--	--	--	11	--	.	--
New Mexico	--	0	--	19	--	.	--
Utah	0	--	--	8	30	.	--
Wyoming	7	799	--	5	2	.	--
Pacific Contiguous	**2**	**36**	**0**	**2**	**2**	**.**	**232**
California	2	42	0	2	2	.	--
Oregon	--	0	--	26	--	.	--
Washington	0	41	--	0	--	.	232
Pacific Noncontiguous	**43**	**10**	**--**	**33**	**28**	**.**	**58**
Alaska	--	6	--	33	133	.	--
Hawaii	43	14	--	--	28	.	58
U.S. Total	**1**	**5**	**3**	**1**	**1**	**.**	**5**

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through November 2012 (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	**.**	**.**	**.**	**--**	**1**	**.**	**3**	**2**
Connecticut	.	.	.	--	--	.	101	15
Maine	.	.	.	--	1	.	0	2
Massachusetts	.	.	.	--	--	.	--	16
New Hampshire	.	.	.	--	177	.	--	46
Vermont	.	.	.	--	--	.	--	82
Middle Atlantic	**.**	**.**	**.**	**48**	**2**	**.**	**0**	**3**
New Jersey	.	.	.	118	118	.	0	9
New York	.	.	.	--	2	.	--	4
Pennsylvania	.	.	.	52	3	.	--	3
East North Central	**.**	**.**	**.**	**--**	**2**	**.**	**2**	**1**
Illinois	.	.	.	--	0	.	6	2
Indiana	.	.	.	--	18	.	0	2
Michigan	.	.	.	--	2	.	0	5
Ohio	.	.	.	--	3	.	0	4
Wisconsin	.	.	.	--	2	.	20	3
West North Central	**.**	**.**	**.**	**--**	**2**	**.**	**15**	**2**
Iowa	.	.	.	--	0	.	--	2
Kansas	.	.	.	--	--	.	--	66
Minnesota	.	.	.	--	2	.	15	4
Missouri	.	.	.	--	46	.	--	21
Nebraska	.	.	.	--	--	.	--	9
North Dakota	.	.	.	--	34	.	--	14
South Atlantic	**.**	**.**	**.**	**--**	**1**	**.**	**1**	**1**
Delaware	.	.	.	--	--	.	--	0
Florida	.	.	.	--	2	.	1	2
Georgia	.	.	.	--	1	.	2	2
Maryland	.	.	.	--	0	.	--	4
North Carolina	.	.	.	--	2	.	0	3
South Carolina	.	.	.	--	0	.	0	1
Virginia	.	.	.	--	1	.	0	3
West Virginia	.	.	.	--	--	.	0	1
East South Central	**.**	**.**	**.**	**--**	**1**	**.**	**54**	**1**
Alabama	.	.	.	--	1	.	0	1
Kentucky	.	.	.	--	1	.	--	8
Mississippi	.	.	.	--	1	.	65	3
Tennessee	.	.	.	--	2	.	0	1
West South Central	**.**	**.**	**.**	**--**	**1**	**.**	**3**	**1**
Arkansas	.	.	.	--	1	.	0	2
Louisiana	.	.	.	--	2	.	2	1
Oklahoma	.	.	.	--	5	.	37	8
Texas	.	.	.	--	2	.	5	1
Mountain	**.**	**.**	**.**	**100**	**1**	**.**	**4**	**2**
Arizona	.	.	.	--	--	.	--	17
Colorado	.	.	.	--	76	.	14	15
Idaho	.	.	.	--	1	.	0	3
Montana	.	.	.	--	--	.	--	50
Nevada	.	.	.	100	100	.	--	11
New Mexico	.	.	.	--	--	.	--	19
Utah	.	.	.	--	--	.	0	2
Wyoming	.	.	.	--	--	.	0	3
Pacific Contiguous	**.**	**.**	**.**	**119**	**2**	**.**	**3**	**1**
California	.	.	.	119	4	.	3	1
Oregon	.	.	.	--	2	.	0	6
Washington	.	.	.	--	2	.	6	2
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**8**	**.**	**--**	**9**
Alaska	.	.	.	--	51	.	--	19
Hawaii	.	.	.	--	8	.	--	10
U.S. Total	**.**	**.**	**.**	**42**	*****	**.**	**1**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2012

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	**1**	**0**	*****
Connecticut	*	*	2	0	*
Maine	*	*	1	0	*
Massachusetts	1	1	1	0	*
New Hampshire	*	*	2	0	*
Rhode Island	0	0	0	0	0
Vermont	2	1	3	0	1
Middle Atlantic	*****	*****	*****	**0**	*****
New Jersey	*	*	1	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	**0**	*****
Illinois	1	*	1	0	*
Indiana	1	1	1	0	*
Michigan	1	*	1	0	*
Ohio	1	*	1	0	*
Wisconsin	1	1	1	0	1
West North Central	**1**	*****	**1**	**0**	*****
Iowa	2	1	1	0	1
Kansas	2	1	2	0	1
Minnesota	1	1	1	0	1
Missouri	1	1	2	0	1
Nebraska	2	2	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	3	0	1
South Atlantic	*****	*****	*****	**0**	*****
Delaware	1	1	2	0	1
District of Columbia	0	0	0	0	0
Florida	1	*	1	0	*
Georgia	1	1	1	0	1
Maryland	1	*	2	0	*
North Carolina	1	1	1	0	*
South Carolina	1	1	1	0	1
Virginia	1	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	**1**	**1**	*****	**0**	*****
Alabama	1	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	1	1	0	1
Tennessee	1	1	1	0	1
West South Central	**1**	*****	*****	**1**	*****
Arkansas	2	1	1	178	1
Louisiana	1	1	*	0	*
Oklahoma	1	1	1	0	1
Texas	1	*	1	0	*
Mountain	**1**	*****	**1**	**0**	*****
Arizona	1	1	2	0	1
Colorado	2	1	3	0	1
Idaho	1	1	1	0	1
Montana	2	2	2	0	1
Nevada	1	1	*	0	*
New Mexico	3	2	3	0	2
Utah	2	1	1	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	1	1	2	0	1
Washington	1	1	1	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	2	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	*****	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.6.B. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2012

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	*****	*****	*****
Connecticut	*	*	1	0	*
Maine	*	*	*	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	0	0	2	*
Vermont	1	1	1	0	1
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	*	*	1	*	*
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	**1**	*****
Illinois	*	*	*	1	*
Indiana	*	*	*	0	*
Michigan	*	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	1	0	*
West North Central	*****	*****	*****	**0**	*****
Iowa	1	1	1	0	*
Kansas	1	*	1	0	*
Minnesota	*	*	1	0	*
Missouri	*	*	1	0	*
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	*****	*****	*****	*****	*****
Delaware	*	*	1	0	*
District of Columbia	0	0	0	0	0
Florida	*	*	1	0	*
Georgia	*	*	*	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	*	0	*
South Carolina	*	*	*	0	*
Virginia	*	*	*	0	*
West Virginia	*	*	*	7	*
East South Central	*****	*****	*****	**0**	*****
Alabama	*	*	*	0	*
Kentucky	1	1	*	0	*
Mississippi	1	1	*	0	*
Tennessee	*	1	1	0	*
West South Central	*****	*****	*****	*****	*****
Arkansas	1	1	*	53	*
Louisiana	*	*	*	0	*
Oklahoma	*	*	1	0	*
Texas	*	*	*	0	*
Mountain	*****	*****	*****	**0**	*****
Arizona	*	*	1	0	*
Colorado	*	*	2	0	1
Idaho	*	*	1	0	*
Montana	1	1	1	0	1
Nevada	*	*	*	0	*
New Mexico	1	1	2	0	1
Utah	1	*	1	0	*
Wyoming	1	1	1	0	*
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	*	*	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	*****	*****	**1**	**0**	*****
Alaska	1	1	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	*****	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2012

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	**1**	**0**	*****
Connecticut	*	1	2	0	*
Maine	*	1	1	0	*
Massachusetts	1	1	2	0	1
New Hampshire	*	1	2	0	*
Rhode Island	0	1	0	0	*
Vermont	1	2	4	0	1
Middle Atlantic	*****	*****	*****	**0**	*****
New Jersey	*	*	1	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	1	0	*
East North Central	*****	*****	**1**	**0**	*****
Illinois	1	1	1	0	*
Indiana	1	1	1	0	1
Michigan	*	*	1	0	*
Ohio	1	1	1	0	*
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**1**	**0**	*****
Iowa	2	2	2	0	1
Kansas	2	1	3	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	3	0	1
Nebraska	2	2	3	0	1
North Dakota	2	1	4	0	1
South Dakota	3	1	4	0	1
South Atlantic	*****	*****	**1**	**5**	*****
Delaware	1	2	5	0	1
District of Columbia	0	1	0	14	1
Florida	1	1	2	0	*
Georgia	1	1	2	0	1
Maryland	1	1	1	0	*
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	1	2	0	*
West Virginia	*	*	*	0	*
East South Central	**1**	**1**	**1**	**0**	*****
Alabama	1	1	1	0	1
Kentucky	1	2	1	0	1
Mississippi	2	2	2	0	1
Tennessee	1	2	2	0	1
West South Central	**1**	**1**	**1**	**1**	*****
Arkansas	2	2	2	173	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	3	0	1
Texas	1	1	1	0	*
Mountain	**1**	*****	**2**	**0**	**1**
Arizona	1	1	4	0	1
Colorado	2	1	5	0	2
Idaho	1	1	2	0	1
Montana	2	1	4	0	1
Nevada	1	1	1	0	1
New Mexico	4	2	8	0	2
Utah	3	2	3	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	2	0	*
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	*****	**0**	*****
Alaska	2	3	3	0	2
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	**1**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.7.B. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2012

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*	*	*	*	*
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	*	0	1	*
Vermont	1	1	2	0	*
Middle Atlantic	*	*	*	*	*
New Jersey	*	*	1	0	*
New York	*	*	1	*	*
Pennsylvania	*	*	*	*	*
East North Central	*	*	*	1	*
Illinois	*	*	1	1	*
Indiana	*	*	*	0	*
Michigan	*	*	*	0	*
Ohio	*	*	1	0	*
Wisconsin	*	*	1	0	*
West North Central	*	*	1	0	*
Iowa	1	1	1	0	*
Kansas	1	1	1	0	*
Minnesota	1	*	1	0	*
Missouri	*	*	1	0	*
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	*	*	*	1	*
Delaware	*	*	2	0	*
District of Columbia	0	*	0	4	*
Florida	*	*	1	0	*
Georgia	*	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	1	0	*
South Carolina	1	*	1	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	7	*
East South Central	*	*	*	0	*
Alabama	*	1	1	0	*
Kentucky	*	1	1	0	*
Mississippi	1	1	1	0	*
Tennessee	*	*	1	0	*
West South Central	*	*	*	*	*
Arkansas	1	1	1	48	*
Louisiana	1	*	*	0	*
Oklahoma	1	1	1	0	*
Texas	*	*	*	0	*
Mountain	*	*	1	0	*
Arizona	*	*	2	0	*
Colorado	*	1	3	0	1
Idaho	1	*	1	0	*
Montana	1	1	2	0	1
Nevada	*	*	1	0	*
New Mexico	1	1	5	0	1
Utah	1	1	2	0	*
Wyoming	1	1	1	0	*
Pacific Contiguous	*	*	1	0	*
California	*	*	1	0	*
Oregon	*	*	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	*	*	*	0	*
Alaska	1	1	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	*	*	*	*	*

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, November 2012

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	**1**	**0**	*****
Connecticut	*	*	2	0	*
Maine	*	1	1	0	*
Massachusetts	1	1	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	1	0	0	*
Vermont	2	2	2	0	1
Middle Atlantic	*****	*****	*****	**0**	*****
New Jersey	*	*	1	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	1	0	*
East North Central	*****	*****	*****	**0**	*****
Illinois	1	*	1	0	*
Indiana	1	1	1	0	*
Michigan	*	*	*	0	*
Ohio	1	*	1	0	*
Wisconsin	*	*	1	0	*
West North Central	*****	*****	**1**	**0**	*****
Iowa	1	1	1	0	1
Kansas	1	1	2	0	1
Minnesota	1	1	1	0	*
Missouri	1	1	2	0	1
Nebraska	1	1	1	0	1
North Dakota	1	1	1	0	1
South Dakota	1	1	1	0	1
South Atlantic	*****	*****	**1**	**5**	*****
Delaware	1	1	3	0	1
District of Columbia	0	1	0	14	1
Florida	*	*	2	0	*
Georgia	1	1	1	0	1
Maryland	1	1	1	0	*
North Carolina	1	1	1	0	*
South Carolina	1	1	1	0	1
Virginia	*	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	**1**	**1**	**1**	**0**	*****
Alabama	1	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	1	2	2	0	1
Tennessee	1	1	1	0	1
West South Central	*****	*****	**1**	*****	*****
Arkansas	1	2	2	120	1
Louisiana	1	1	1	0	*
Oklahoma	1	1	2	0	1
Texas	*	*	1	0	*
Mountain	*****	*****	**1**	**0**	*****
Arizona	*	*	2	0	*
Colorado	1	1	3	0	1
Idaho	1	1	1	0	*
Montana	1	1	2	0	1
Nevada	*	*	1	0	*
New Mexico	1	1	5	0	1
Utah	1	1	2	0	1
Wyoming	1	1	*	0	*
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	*	1	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	**1**	**1**	*****	**0**	*****
Alaska	1	2	1	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	**1**	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table A.8.B. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through November 2012

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	*****	*****	*****
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	*	0	2	*
Vermont	*	1	1	0	*
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	*	*	*	*	*
Pennsylvania	*	*	*	*	*
East North Central	*****	*****	*****	**1**	*****
Illinois	*	*	1	1	*
Indiana	*	*	*	0	*
Michigan	0	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	0	*	1	0	*
West North Central	**0**	*****	**1**	**0**	*****
Iowa	0	1	1	0	*
Kansas	*	1	1	0	*
Minnesota	0	*	1	0	*
Missouri	*	*	1	0	*
Nebraska	0	1	1	0	*
North Dakota	0	1	2	0	1
South Dakota	0	1	2	0	1
South Atlantic	*****	*****	*****	**1**	*****
Delaware	*	1	2	0	*
District of Columbia	0	*	0	4	*
Florida	*	*	1	0	*
Georgia	*	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	1	0	*
South Carolina	*	*	1	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	2	*
East South Central	*****	*****	*****	**0**	*****
Alabama	*	1	1	0	*
Kentucky	*	1	*	0	*
Mississippi	*	1	1	0	*
Tennessee	*	1	1	0	*
West South Central	*****	*****	*****	*****	*****
Arkansas	*	1	1	60	*
Louisiana	*	1	*	0	*
Oklahoma	*	1	1	0	*
Texas	*	*	*	0	*
Mountain	**0**	*****	**1**	**0**	*****
Arizona	0	*	2	0	*
Colorado	0	1	3	0	1
Idaho	0	1	1	0	*
Montana	0	1	2	0	*
Nevada	0	*	1	0	*
New Mexico	0	1	5	0	1
Utah	0	1	2	0	*
Wyoming	0	1	1	0	*
Pacific Contiguous	**0**	*****	**1**	**0**	*****
California	0	*	1	0	*
Oregon	0	*	1	0	*
Washington	0	*	1	0	*
Pacific Noncontiguous	*****	*****	**1**	**0**	*****
Alaska	*	1	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	*****	*****

* = Value is less than half of the smallest unit of measure.
(e.g., for values with no decimals, the smallest unit is '1' then values under 0.5 are shown as '*'.)

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 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	320000	Unknown
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	6100	48
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	69106	Unknown
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	111000	Unknown
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	50001	N/A
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	64500	N/A
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	95400	N/A
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	Unknown	9896
2012	7	07/10/2012 4:00 AM	07/10/2012 4:00 AM	0 Hours, 0 Minutes	California Department of Water Resources	WECC	CAISO California	Fuel Supply Deficiency (Water)	0	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	103000	480
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	67000	Unknown
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	181000	Unknown
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)	Unknown	675
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	70000	220
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	82621	N/A
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	330000	Unknown
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	65112	N/A
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	65000	N/A
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	57054	Unknown
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	52702	Unknown
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.1 Major Disturbances and Unusual Occurrences, Year-to-Date 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 4:59 PM	10/31/2012 11:00 AM	42 Hours, 1 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

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, 2011

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
2011	1	01/12/2011 6:00 AM	01/12/2011 2:00 PM	8 Hours, 0 Minutes	National Grid	NPCC	Massachusetts	Winter Storm	N/A	80000
2011	1	01/13/2011 7:21 AM	01/13/2011 8:13 AM	0 Hours, 52 Minutes	JEA	FRCC	North Florida	Firm System Load Shed	150	20900
2011	1	01/26/2011 5:00 PM	01/31/2011 8:00 AM	111 Hours, 0 Minutes	Potomac Electric Power Co/ PEPCO Holdings Inc.	RFC	Montgomery and Prince George's County, Maryland and District of Columbia	Winter Storm	N/A	210000
2011	1	01/26/2011 6:28 PM	01/29/2011 5:00 PM	70 Hours, 32 Minutes	Baltimore Gas and Electric Company	RFC	Maryland	Winter Storm	N/A	234326
2011	1	01/26/2011 7:43 PM	01/27/2011 6:18 PM	22 Hours, 35 Minutes	Dominion - Virginia Power	SERC	Northern Virginia	Winter Storm	600	150084
2011	1	01/27/2011 9:30 AM	01/27/2011 9:30 AM	0 Hours, 0 Minutes	Delmarva Power & Light Company	RFC	Hockessin, Delaware	Vandalism	0	0
2011	1	01/27/2011 5:00 PM	01/30/2011 5:00 AM	60 Hours, 0 Minutes	AES Greenidge, LLC	NPCC	Central New York	Fuel Supply Deficiency (Coal)	108	N/A
2011	1	01/31/2011 10:00 PM	02/03/2011 12:00 PM	62 Hours, 0 Minutes	Duke Energy Midwest	RFC	Southwestern Ohio and Indiana	Ice Storm	996	272880
2011	2	02/01/2011 3:00 PM	02/03/2011 12:00 PM	45 Hours, 0 Minutes	American Electric Power - Ohio	RFC	Indiana, Ohio	Winter Storm	UNK	158013
2011	2	02/01/2011 9:00 PM	02/02/2011 2:00 PM	17 Hours, 0 Minutes	Exelon Corp/ComEd - Commonwealth Edison	RFC	Northern Illinois	Winter Storm	UNK	190000
2011	2	02/02/2011 3:00 AM	02/04/2011 11:59 PM	68 Hours, 59 Minutes	Exelon Corporation/PECO	RFC	Philadelphia area, Pennsylvania	Winter Storm	UNK	213000
2011	2	02/02/2011 5:43 AM	02/03/2011 10:00 AM	28 Hours, 17 Minutes	ERCOT ISO	TRE	Texas	Generation Inadequacy/Load Shed	4000	1069730
2011	2	02/02/2011 6:22 AM	02/02/2011 9:57 AM	3 Hours, 35 Minutes	Salt River Project	WECC	Central Arizona	Generation Inadequacy/Load Shed	3963	69000
2011	2	02/02/2011 7:24 AM	02/02/2011 10:23 PM	14 Hours, 59 Minutes	El Paso Electric Company	WECC	Dona Ana and El Paso Counties, Texas and Hudspeth County, New Mexico	Generation Inadequacy/Load Shed	280	178000
2011	2	02/02/2011 5:00 PM	02/03/2011 10:00 PM	29 Hours, 0 Minutes	Southwestern Public Service	SPP	Texas Panhandle, Southeastern New Mexico	Fuel Supply Deficiency (Natural Gas)	UNK	UNK
2011	2	02/03/2011 3:00 PM	02/04/2011 12:00 PM	21 Hours, 0 Minutes	San Diego Gas and Electric Company	WECC	San Diego area, California	Fuel Supply Deficiency (Natural Gas)	N/A	UNK
2011	2	02/03/2011 10:04 PM	02/04/2011 12:32 PM	14 Hours, 28 Minutes	ERCOT ISO	TRE	Texas	Generation Inadequacy/Load Shed	400	86013
2011	2	02/09/2011 3:45 AM	02/09/2011 9:12 AM	5 Hours, 27 Minutes	CenterPoint Energy	TRE	Western Houston, Texas	Winter Storm	399	60000
2011	2	02/09/2011 4:30 PM	02/10/2011 12:33 PM	20 Hours, 3 Minutes	ERCOT ISO	TRE	Texas	Cold Weather Event	N/A	N/A
2011	2	02/17/2011 1:25 AM	02/19/2011 10:13 AM	56 Hours, 48 Minutes	Pacific Gas and Electric	WECC	Northern and Central California	Major Storm	91	80000
2011	2	02/19/2011 12:30 PM	02/20/2011 4:00 AM	15 Hours, 30 Minutes	Exelon Corporation/PECO	RFC	Philadelphia area, Pennsylvania	Major Storm	UNK	118000
2011	2	02/20/2011 4:00 PM	02/23/2011 4:00 PM	72 Hours, 0 Minutes	Consumers Energy	RFC	Southern Lower Peninsula, Michigan	Winter Storm	262	160000
2011	2	02/24/2011 4:51 PM	02/24/2011 4:54 PM	0 Hours, 3 Minutes	American Electric Power (CSWS-SPP)	SPP	Arkansas	Electrical System Separation (Islanding)	4	UNK
2011	2	02/25/2011 8:00 AM	02/28/2011 5:30 PM	81 Hours, 30 Minutes	Pacific Gas and Electric	WECC	Northern and Central California	Winter Storm	91	80000
2011	2	02/25/2011 3:20 PM	02/25/2011 6:00 PM	2 Hours, 40 Minutes	Dominion - Virginia Power	SERC	Virginia	Severe Weather	UNK	50000
2011	2	02/25/2011 3:23 PM	02/27/2011 6:00 PM	50 Hours, 37 Minutes	Baltimore Gas & Electric	RFC	Maryland	Severe Weather	UNK	93000
2011	3	03/01/2011 8:00 AM	03/05/2011 9:30 AM	97 Hours, 30 Minutes	AES Somerset	NPCC	Western New York	Fuel Supply Deficiency (Coal)	675	UNK
2011	3	03/08/2011 8:00 AM	03/18/2001 9:00 AM	-87,407 Hours, 0 Minutes	AES Somerset	NPCC	Western New York	Fuel Supply Deficiency (Coal)	676	UNK
2011	3	03/11/2011 7:02 AM	03/11/2011 9:15 AM	2 Hours, 13 Minutes	Pacific Gas and Electric	WECC	Humboldt and Eureka, California	Generation Inadequacy/Load Shed	15	6800
2011	3	03/13/2011 2:20 PM	03/14/2011 3:46 PM	25 Hours, 26 Minutes	PacifiCorp	WECC	Oregon	Severe Weather	UNK	9000
2011	3	03/19/2011 11:56 PM	03/24/2011 7:10 PM	115 Hours, 14 Minutes	Pacific Gas and Electric	WECC	Northern and Central California	Major Storm	91	128000
2011	3	03/20/2011 9:44 AM	03/21/2011 10:00 AM	24 Hours, 16 Minutes	Los Angeles Department of Water and Power	WECC	Los Angeles, California	Major Storm	UNK	79000
2011	3	03/21/2011 12:35 PM	03/21/2011 2:45 PM	2 Hours, 10 Minutes	Southern California Edison Company (SCE)	WECC	Southern California	Major Storm	150	54332
2011	3	03/23/2011 6:30 PM	03/24/2011 4:55 AM	10 Hours, 25 Minutes	American Electric Power - AEP	RFC	Indiana. Kentucky, Michigan, Ohio, Tennessee, Virginia, West Virginia	Major Storm	UNK	60596
2011	3	03/27/2011 1:27 PM	03/27/2011 5:00 PM	3 Hours, 33 Minutes	Pacific Gas and Electric	WECC	Sonoma and Central Valley, California	Transmission Level Outage	295	165000
2011	3	03/31/2011 11:30 AM	03/31/2011 8:30 PM	9 Hours, 0 Minutes	Tampa Electric Company	FRCC	Greater Tampa Bay, Florida	Severe Weather	206	87000
2011	3	03/31/2011 2:30 PM	04/01/2011 11:59 PM	33 Hours, 29 Minutes	Progress Energy Florida (PEF)	FRCC	Central and Western Florida	Severe Weather	UNK	50000
2011	4	04/04/2011 11:47 AM	04/08/2011 12:01 AM	84 Hours, 14 Minutes	Tennessee Valley Authority	SERC	Memphis, Tennessee	Severe Weather	359	63000
2011	4	04/04/2011 1:00 PM	04/05/2011 12:00 AM	11 Hours, 0 Minutes	Memphis Light Gas and Water Division	SERC	Shelby County, Tennessee	Severe Weather	300	63000
2011	4	04/04/2011 2:00 PM	04/08/2011 12:01 AM	82 Hours, 1 Minutes	Tennessee Valley Authority	SERC	Davidson Count, Tennessee	Severe Weather	300	73000
2011	4	04/04/2011 7:00 PM	04/05/2011 12:00 PM	17 Hours, 0 Minutes	American Electric Power (AEP)	RFC	Kentucky, West Virginia	Severe Weather	UNK	52920
2011	4	04/04/2011 7:00 PM	04/05/2011 8:00 PM	25 Hours, 0 Minutes	Entergy Corporation	SERC	Southeast Arkansas, Southeast Louisiana, Western Mississippi, Eastern Texas	Severe Weather	UNK	74645
2011	4	04/04/2011 9:00 PM	04/05/2011 11:30 PM	26 Hours, 30 Minutes	Southern Company	SERC	Alabama, Florida, Georgia, Mississippi	Severe Weather	674	303434
2011	4	04/05/2011 2:00 AM	04/07/2011 11:00 PM	69 Hours, 0 Minutes	Duke Energy Carolinas	SERC	North Carolina, South Carolina	Severe Weather	1200	256000
2011	4	04/16/2011 2:16 PM	04/17/2011 4:30 PM	26 Hours, 14 Minutes	Progress Energy Carolinas Inc	SERC	Central and Eastern North Carolina	Severe Weather	UNK	220000
2011	4	04/19/2011 8:00 PM	04/19/2011 10:00 PM	2 Hours, 0 Minutes	Ameren Illinois	SERC	Illinois	Severe Weather	UNK	80000
2011	4	04/19/2011 10:44 PM	04/20/2011 2:00 AM	3 Hours, 16 Minutes	Memphis Light Gas and Water Division	SERC	Memphis, Tennessee	Severe Weather	100	64000
2011	4	04/19/2011 11:02 PM	04/21/2011 5:32 PM	42 Hours, 30 Minutes	Tennessee Valley Authority	SERC	Memphis, Tennessee	Severe Weather	300	105000
2011	4	04/19/2011 11:13 PM	04/20/2011 7:14 PM	20 Hours, 1 Minutes	Constellation Energy Control and Dispatch	SERC	Osceola, Arkansas	Severe Weather	22	UNK
2011	4	04/20/2011 2:00 AM	04/21/2011 12:00 PM	34 Hours, 0 Minutes	Duke Energy Midwest	RFC	Indiana, Kentucky, Ohio	Severe Weather - High Winds	UNK	165711
2011	4	04/20/2011 8:07 AM	04/20/2011 8:14 AM	0 Hours, 7 Minutes	City of Ruston & Constellation Energy	SERC	Ruston, Louisiana	Equipment Malfunction	33	11000
2011	4	04/22/2011 9:00 PM	04/22/2011 11:00 PM	2 Hours, 0 Minutes	Ameren	SERC	Metro St. Louis area, Missouri	Severe Weather	0	55000
2011	4	04/25/2011 4:33 PM	04/25/2011 5:19 PM	0 Hours, 46 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Equipment Malfunction	140	UNK
2011	4	04/25/2011 5:30 PM	04/27/2011 6:00 PM	48 Hours, 30 Minutes	Entergy Corporation	SPP	Arkasas, Louisiana, Mississippi	Severe Weather	UNK	141700
2011	4	04/26/2011 5:49 AM	04/27/2011 9:59 AM	28 Hours, 10 Minutes	Entergy Corporation	SPP	Southern Louisiana	Severe Weather	120	UNK
2011	4	04/26/2011 9:51 AM	04/28/2011 9:51 AM	48 Hours, 0 Minutes	Tennesee Valley Authority	SERC	Alabama, Georgia, Mississippi, Tennessee	Severe Weather	UNK	55000
2011	4	04/26/2011 6:14 PM	04/28/2011 5:00 PM	46 Hours, 46 Minutes	West Memphis Utilities	SPP	Eastern Arkansas	Severe Weather	50	13000
2011	4	04/27/2011 8:00 AM	05/02/2011 4:03 PM	128 Hours, 3 Minutes	Southern Company	SERC	Alabama, Florida, Georgia, Mississippi	Severe Weather	1422	426640
2011	4	04/27/2011 10:00 AM	04/29/2011 4:29 PM	54 Hours, 29 Minutes	Tennesee Valley Authority	SERC	Alabama, Georgia, Mississippi, Tennessee	Severe Weather	UNK	612000
2011	4	04/27/2011 10:00 PM	04/28/2011 10:00 AM	12 Hours, 0 Minutes	American Electric Power	SERC	Ohio, Tennessee, Virginia	Severe Weather	0	69000
2011	4	04/28/2011 5:00 AM	04/30/2011 6:30 PM	61 Hours, 30 Minutes	FirstEnergy Service Company	RFC	Cleveland area, Ohio	Severe Weather	UNK	86000
2011	4	04/28/2011 4:09 PM	04/28/2011 4:10 PM	0 Hours, 1 Minutes	Mesquite Power, LLC	WECC	Phoenix, Arizona	Equipment Malfunction	960	UNK
2011	5	05/02/2011 5:06 PM	05/02/2011 8:00 PM	2 Hours, 54 Minutes	Hawaiian Electric Company	N/A	Hawaii	Severe Weather	220	62000
2011	5	05/10/2011 3:25 AM	05/11/2011 2:10 PM	34 Hours, 45 Minutes	Midwest Independent System Operator (MISO)	RFC	Upper Peninsula, Michigan	Generation Inadequacy; Load Shed; Electrical System Separation (Islanding)	585	78213
2011	5	05/10/2011 10:21 PM	05/11/2011 2:25 PM	16 Hours, 4 Minutes	American Electric Power	RFC	Kentucky, West Virginia	Severe Weather	UNK	58000
2011	5	05/11/2011 12:15 AM	05/11/2011 5:20 PM	17 Hours, 5 Minutes	Duke Energy Carolinas	SERC	Charlotte, North Carolina	Severe Weather	300	71000
2011	5	05/22/2011 5:09 PM	05/31/2011 12:01 PM	210 Hours, 52 Minutes	Empire District Electric	SPP	Joplin, Sarcoxie, and Wentworth, Missouri	Severe Weather	200	20000
2011	5	05/23/2011 12:30 PM	05/25/2011 12:30 PM	48 Hours, 0 Minutes	Ameren	SERC	St. Louis County, Missouri	Severe Weather	UNK	70000
2011	5	05/23/2011 4:45 PM	05/25/2011 11:59 PM	55 Hours, 14 Minutes	Duke Energy Midwest	RFC	Central, Indiana	Severe Weather	1024	215387
2011	5	05/24/2011 4:35 PM	05/25/2011 12:40 PM	20 Hours, 5 Minutes	Dominion Virginia Power	SERC	Eastern Virginia	Severe Weather	790	175000
2011	5	05/24/2011 4:45 PM	05/26/2011 5:00 PM	48 Hours, 15 Minutes	Oklahoma Gas & Electric	SPP	Central Oklahoma	Severe Weather	UNK	54000
2011	5	05/25/2011 10:14 PM	05/28/2011 11:00 AM	60 Hours, 46 Minutes	Duke Energy Midwest	RFC	Central Indiana	Severe Weather	200	141000
2011	5	05/26/2011 1:00 AM	05/26/2011 6:00 AM	5 Hours, 0 Minutes	Greenwood Utilities Commission	SERC	Greenwood, Mississippi	Transmission Level Interruption	30	10000
2011	5	05/26/2011 6:30 PM	05/28/2011 4:44 AM	34 Hours, 14 Minutes	Southern Company	SERC	Southern Balancing Area, Georgia	Severe Weather	729	218783
2011	5	05/26/2011 7:56 PM	05/27/2011 6:00 PM	22 Hours, 4 Minutes	PPL Electric Utilities	RFC	Central Pennsylvania	Severe Weather	150	120001
2011	5	05/29/2011 6:30 PM	05/31/2011 10:00 PM	51 Hours, 30 Minutes	Consumers Energy	RFC	Mid and Southern Lower Peninsula, Michigan	Severe Weather	250	113000
2011	6	06/02/2011 11:45 PM	06/04/2011 4:00 PM	40 Hours, 15 Minutes	South Carolina Electric and Gas	SERC	Greater Columbia, South Carolina	Severe Weather	0	50465

Table B.2 Major Disturbances and Unusual Occurrences, 2011

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
2011	6	06/05/2011 5:30 AM	06/06/2011 1:30 AM	20 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston Metro-Area, Texas	Severe Thunderstorms	473	78000
2011	6	06/05/2011 8:02 PM	06/05/2011 8:55 PM	0 Hours, 53 Minutes	Pacific Gas and Electric	WECC	Melones, California	Electrical System Separation (Islanding)	10	5314
2011	6	06/06/2011 12:13 AM	06/06/2011 3:15 AM	3 Hours, 2 Minutes	El Paso Electric Company	SPP	El Paso County, Texas; Dona Ana County, New Mexico	Load Shed/ Automatic undervoltage relay action	450	162000
2011	6	06/06/2011 3:00 PM	06/08/2011 3:00 PM	48 Hours, 0 Minutes	West Memphis Utilities	SPP	Eastern, Arkansas	Public Appeal to Reduce Electricity Usage	UNK	13000
2011	6	06/07/2011 2:00 PM	06/08/2011 6:00 AM	16 Hours, 0 Minutes	American Electric Power	RFC	Ohio	Severe Weather	UNK	52747
2011	6	06/09/2011 4:30 AM	06/09/2011 12:00 PM	7 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Thunderstorms	UNK	169000
2011	6	06/09/2011 5:51 PM	06/10/2011 12:00 PM	18 Hours, 9 Minutes	ISO New England/Northeast Utilities	NPCC	Western, Massachusetts; Connecticut	Severe Thunderstorms	0	100000
2011	6	06/12/2011 7:00 PM	06/12/2011 8:30 PM	1 Hours, 30 Minutes	Dominion Virginia Power	RFC	Virginia	Severe Thunderstorms	250	56000
2011	6	06/15/2011 7:15 PM	06/16/2011 6:00 AM	10 Hours, 45 Minutes	Southern Company	SERC	Georgia	Severe Thunderstorms	563	169000
2011	6	06/15/2011 7:17 PM	06/16/2011 1:45 AM	6 Hours, 28 Minutes	Duke Energy	SERC	Piedmont, North Carolina	Severe Thunderstorms	300	70135
2011	6	06/18/2011 3:30 PM	06/19/2011 3:42 PM	24 Hours, 12 Minutes	Southern Company	SERC	Northern, Georgia	Severe Thunderstorms	312	93828
2011	6	06/18/2011 4:45 PM	06/20/2011 11:59 PM	55 Hours, 14 Minutes	West Memphis Utilities	SPP	Eastern, Arkansas	Public Appeal to Reduce Electricity Usage	UNK	UNK
2011	6	06/18/2011 5:00 PM	06/18/2011 9:33 PM	4 Hours, 33 Minutes	Duke Energy Carolinas	SERC	North Carolina; South Carolina	Severe Thunderstorms	300	70000
2011	6	06/21/2011 6:30 PM	06/22/2011 7:00 AM	12 Hours, 30 Minutes	American Electric Power (AEP)	RFC	AEP Region	Severe Weather	UNK	56000
2011	6	06/21/2011 9:45 PM	06/23/2011 2:00 AM	28 Hours, 15 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Thunderstorms	UNK	300000
2011	6	06/22/2011 9:46 AM	06/22/2011 9:46 AM	0 Hours, 0 Minutes	Tennessee Valley Authority (TVA)	SERC	Knoxville, Tennessee	Severe Weather	UNK	106300
2011	6	06/22/2011 7:00 PM	06/23/2011 1:00 AM	6 Hours, 0 Minutes	Southern Company	SERC	Alabama; Georgia	Severe Thunderstorms	316	75101
2011	6	06/24/2011 6:30 PM	06/25/2011 1:30 AM	7 Hours, 0 Minutes	Southern Company	SERC	North/North Central Alabama; Georgia	Severe Thunderstorms	340	102275
2011	6	06/26/2011 4:46 PM	06/27/2011 7:59 AM	15 Hours, 13 Minutes	Sunflower Electric Power Corporation	SPP	Southwest Kansas	Public Appeal to Reduce Electricity Usage	UNK	UNK
2011	6	06/26/2011 6:00 PM	06/27/2011 1:00 PM	19 Hours, 0 Minutes	Southern Company	SERC	Alabama; Georgia	Severe Thunderstorms	300	90160
2011	6	06/27/2011 12:00 AM	06/29/2011 1:00 AM	49 Hours, 0 Minutes	AMEREN	SERC	Illinois; Missouri	Severe Thunderstorms	UNK	80000
2011	6	06/27/2011 3:00 PM	06/27/2011 7:00 PM	4 Hours, 0 Minutes	ERCOT ISO	TRE	Texas	Public Appeal to Reduce Electricity Usage	0	0
2011	6	06/29/2011 11:30 AM	06/29/2011 6:04 PM	6 Hours, 34 Minutes	Southwestern Public Service	SPP	Panhandle and Muleshoe, Texas	Public Appeal to Reduce Electricity Usage	0	0
2011	6	06/30/2011 2:11 PM	06/30/2011 11:25 PM	9 Hours, 14 Minutes	Salt River Project	WECC	Phoenix, Arizona	Major System Interruption/Load Shed	5299	160000
2011	6	06/30/2011 10:30 PM	07/01/2011 5:00 PM	18 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather	UNK	121000
2011	7	07/01/2011 5:00 PM	07/03/2011 8:00 PM	51 Hours, 0 Minutes	Xcel Energy Northern States Power Company	MRO	Southwest and South Central Minnesota	Severe Weather	UNK	70000
2011	7	07/02/2011 8:15 PM	07/06/2011 10:00 PM	97 Hours, 45 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	South East, Lower Peninsula, Michigan	Severe Weather	UNK	182000
2011	7	07/04/2011 6:00 PM	07/04/2011 9:00 PM	3 Hours, 0 Minutes	Dominion Virginia Power	SERC	Virginia	Severe Weather	150	51580
2011	7	07/11/2011 9:00 AM	07/11/2011 9:00 AM	0 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather	UNK	500000
2011	7	07/11/2011 9:00 AM	07/11/2011 10:25 AM	1 Hours, 25 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	Michigan	Severe Weather	254	103000
2011	7	07/11/2011 11:15 AM	07/12/2011 8:15 AM	21 Hours, 0 Minutes	Consumers Energy	RFC	Western and Southern Lower Peninsula Michigan	Severe Weather	UNK	85000
2011	7	07/11/2011 2:27 PM	07/12/2011 3:50 PM	25 Hours, 23 Minutes	American Electric Power (AEP)	RFC	Indiana, Michigan, Ohio	Severe Weather	UNK	120000
2011	7	07/13/2011 5:19 PM	07/13/2011 10:03 PM	4 Hours, 44 Minutes	Public Service Company of Colorado	WECC	Pueblo, Colorado	Load Shed	580	N/A
2011	7	07/14/2011 11:00 AM	07/14/2011 7:00 PM	8 Hours, 0 Minutes	ERCOT ISO	TRE	Texas	Public Appeal to Reduce Electricity Usage	0	0
2011	7	07/18/2011 5:00 PM	07/24/2011 1:30 PM	140 Hours, 30 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	Southeast Michigan	Severe Weather	N/A	197166
2011	7	07/21/2011 12:32 PM	07/22/2011 6:30 AM	17 Hours, 58 Minutes	Consumers Energy	RFC	Lower Peninsula, Michigan	Public Appeal to Reduce Electricity Usage	8881	N/A
2011	7	07/21/2011 1:00 PM	07/21/2011 3:00 PM	2 Hours, 0 Minutes	City Water Light and Power	SERC	Springfield, Illinois	Public Appeal to Reduce Electricity Usage	N/A	N/A
2011	7	07/22/2011 11:00 AM	07/22/2011 6:00 PM	7 Hours, 0 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	Upstate, New York	Public Appeal to Reduce Electricity Usage	N/A	N/A
2011	7	07/22/2011 11:34 AM	07/22/2011 5:26 PM	5 Hours, 52 Minutes	PJM Interconnection	RFC	Ohio	Load Shed	206	23000
2011	7	07/23/2011 2:30 AM	07/24/2011 9:00 AM	30 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather	UNK	169000
2011	7	07/28/2011 12:14 AM	07/29/2011 12:00 PM	35 Hours, 46 Minutes	Exelon Corporation/ComEd	RFC	Entire ComEd Territory, Indiana	Severe Weather	UNK	201000
2011	7	07/28/2011 7:26 AM	07/29/2011 7:26 AM	24 Hours, 0 Minutes	Owensboro Municipal Utilities	SERC	Daviess County, Kentucky	Fuel Supply Deficiency (Coal)	N/A	N/A
2011	7	07/29/2011 8:45 PM	08/01/2011 4:24 AM	55 Hours, 39 Minutes	FirstEnergy Corp: Jersey Central Power & Light	RFC	Central New Jersey	Severe Weather	N/A	67900
2011	8	08/01/2011 3:00 PM	08/05/2011 7:00 PM	100 Hours, 0 Minutes	ERCOT ISO	TRE	Texas	Public Appeal to Reduce Electricity Usage	0	0
2011	8	08/02/2011 10:15 AM	08/03/2011 9:16 AM	23 Hours, 1 Minutes	Oklahoma Gas & Electric	SPP	Oklahoma	Public Appeal to Reduce Electricity Usage	N/A	N/A
2011	8	08/02/2011 9:30 PM	08/03/2011 7:00 PM	21 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Northeast, Illinois	Severe Weather	UNK	71500
2011	8	08/03/2011 10:00 AM	08/19/2011 10:00 AM	384 Hours, 0 Minutes	AES Somerset LLC	NPCC	Western New York	Fuel Supply Deficiency (Coal)	675	UNK
2011	8	08/03/2011 4:29 PM	08/03/2011 11:40 PM	7 Hours, 11 Minutes	Grand River Dam Authority	SPP	Northeast Oklahoma	Public Appeal to Reduce Electricity Usage	300	N/A
2011	8	08/03/2011 4:30 PM	08/03/2011 9:00 PM	4 Hours, 30 Minutes	Entergy	SPP	Central Arkansas	Public Appeal to Reduce Electricity Usage	0	0
2011	8	08/04/2011 10:30 AM	08/04/2011 4:00 PM	5 Hours, 30 Minutes	American Electric Power (AEP)	SPP	Arkansas, Oklahoma, Texas	Public Appeal to Reduce Electricity Usage	N/A	N/A
2011	8	08/08/2011 7:36 PM	08/09/2011 12:00 PM	16 Hours, 24 Minutes	Oklahoma Municipal Power Authority	SPP	Oklahoma	Electrical System Separation (Islanding)	92	14500
2011	8	08/08/2011 8:58 PM	08/10/2011 4:30 PM	43 Hours, 32 Minutes	Oklahoma Gas & Electric	SPP	Northern and Central Oklahoma	Severe Weather	N/A	54000
2011	8	08/13/2011 4:41 PM	08/14/2011 7:00 PM	26 Hours, 19 Minutes	LG&E and KU Energy LLC	SERC	Kentucky	Severe Weather	UNK	181700
2011	8	08/20/2011 5:42 PM	08/23/2011 8:00 PM	74 Hours, 18 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	Southeastern Michigan	Severe Weather	254	65000
2011	8	08/21/2011 10:45 PM	08/23/2011 10:45 PM	48 Hours, 0 Minutes	Puerto Rico Electric Power Authority (PREPA)	N/A	Puerto Rico	Severe Weather	2200	931000
2011	8	08/23/2011 10:30 AM	08/23/2011 4:54 PM	6 Hours, 24 Minutes	Southwestern Public Service Company	SPP	Southeastern New Mexico, Texas Panhandle	Public Appeal to Reduce Electricity Usage	0	0
2011	8	08/23/2011 1:51 PM	08/23/2011 1:51 PM	0 Hours, 0 Minutes	Dominion Virginia Power	RFC	Virginia	Earthquake	0	0
2011	8	08/23/2011 3:43 PM	08/23/2011 7:00 PM	3 Hours, 17 Minutes	ERCOT ISO	TRE	Texas	Public Appeal to Reduce Electricity Usage	0	0
2011	8	08/24/2011 7:45 AM	08/25/2011 6:00 AM	22 Hours, 15 Minutes	CenterPoint Energy	TRE	Houston area, Texas	Severe Weather	485	79000
2011	8	08/24/2011 1:20 PM	08/29/2011 7:00 PM	125 Hours, 40 Minutes	ERCOT ISO	TRE	Texas	Public Appeal to Reduce Electricity Usage	0	0
2011	8	08/24/2011 2:51 PM	08/24/2011 10:00 PM	7 Hours, 9 Minutes	American Electric Power (AEP)	SPP	Arkansas, Louisiana, Texas	Severe Weather	N/A	53064
2011	8	08/25/2011 12:30 AM	08/28/2011 8:00 PM	91 Hours, 30 Minutes	FirstEnergy Corp: Cleveland Electric Illuminating Company	RFC	Cleveland area, Ohio	Severe Weather	N/A	107833
2011	8	08/26/2011 12:30 AM	08/28/2011 12:30 AM	48 Hours, 0 Minutes	FirstEnergy Corp: Metropolitan Edison Company	RFC	Pennsylvania	Severe Weather	N/A	200717
2011	8	08/27/2011 2:00 AM	08/27/2011 5:15 AM	3 Hours, 15 Minutes	Town of Stantonsburg JRO	SERC	Wilson County North Carolina	Distribution System Interruption	2	1200
2011	8	08/27/2011 2:57 AM	08/29/2011 11:30 PM	68 Hours, 33 Minutes	Progress Energy Carolinas	SERC	Eastern North Carolina	Severe Weather	UNK	285465
2011	8	08/27/2011 10:33 AM	08/29/2011 2:00 PM	51 Hours, 27 Minutes	Dominion Virginia Power	SERC	North Carolina; Virginia	Severe Weather	UNK	1000000
2011	8	08/27/2011 1:00 PM	08/29/2011 1:00 PM	48 Hours, 0 Minutes	Delmarva Power & Light Company	RFC	Delaware; Maryland	Severe Weather	N/A	165000
2011	8	08/27/2011 7:00 PM	08/29/2011 1:31 PM	42 Hours, 31 Minutes	North Carolina Eastern Municipal Power Agency	SERC	Eastern North Carolina	Severe Weather	200	136000
2011	8	08/27/2011 8:30 PM	09/04/2011 11:30 PM	195 Hours, 0 Minutes	Baltimore Gas and Electric Company	RFC	Maryland	Severe Weather	1114	760113
2011	8	08/27/2011 10:00 PM	08/29/2011 4:00 PM	42 Hours, 0 Minutes	Atlantic City Electric Company	RFC	Southern New Jersey	Severe Weather	320	140000
2011	8	08/27/2011 10:00 PM	08/29/2011 10:00 PM	48 Hours, 0 Minutes	Exelon Corporation / PECO	RFC	Pennsylvania	Severe Weather	N/A	264000
2011	8	08/27/2011 11:00 PM	08/29/2011 8:00 AM	33 Hours, 0 Minutes	Southern Maryland Electric Cooperative (SMECO)	RFC	Maryland	Severe Weather	UNK	108000
2011	8	08/27/2011 11:05 PM	08/29/2077 3:30 PM	578,608 Hours, 25 Minutes	Pepco	RFC	District of Columbia; Maryland	Severe Weather	N/A	220000
2011	8	08/28/2011 12:01 AM	08/30/2011 12:01 AM	48 Hours, 0 Minutes	Central Hudson Gas & Electric	NPCC	Mid-Hudson, New York	Severe Weather	N/A	180000
2011	8	08/28/2011 12:23 AM	08/30/2011 12:23 AM	48 Hours, 0 Minutes	Public Service Electric and Gas Company	RFC	New Jersey	Severe Weather	500	665000
2011	8	08/28/2011 12:30 AM	08/30/2011 12:30 AM	48 Hours, 0 Minutes	FirstEnergy Corp: Jersey Central Power & Light	RFC	Northern and Central New Jersey	Severe Weather	N/A	650000
2011	8	08/28/2011 2:58 AM	08/30/2011 2:58 AM	48 Hours, 0 Minutes	PPL Electric Utilities	RFC	Eastern and Northeastern Pennsylvania	Severe Weather	110	284000
2011	8	08/28/2011 5:00 AM	08/30/2011 5:00 AM	48 Hours, 0 Minutes	Long Island Power Authority	NPCC	Long Island, New York	Severe Weather	UNK	152261
2011	8	08/28/2011 5:01 AM	09/03/2011 5:01 AM	144 Hours, 0 Minutes	Consolidated Edison Company of NY, Inc.	NPCC	Borough's and Westshester County New York	Severe Weather	N/A	50000
2011	8	08/28/2011 7:00 AM	09/03/2011 12:01 AM	137 Hours, 1 Minutes	New York State Electric & Gas Corporation	NPCC	New York	Severe Weather	UNK	99700
2011	8	08/28/2011 7:40 AM	08/29/2011 7:40 AM	24 Hours, 0 Minutes	The United illuminating Company	NPCC	Southwest Connecticut	Severe Weather	N/A	158000

Table B.2 Major Disturbances and Unusual Occurrences, 2011

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
2011	8	08/28/2011 9:42 AM	08/30/2011 12:01 AM	38 Hours, 19 Minutes	Niagara Mohawk Power Corporation	NPCC	Eastern New York	Severe Weather	N/A	100000
2011	8	08/28/2011 12:10 PM	08/28/2011 12:11 PM	0 Hours, 1 Minutes	ISO New England	NPCC	Eastern Massachusetts	Severe Weather	N/A	50000
2011	8	08/28/2011 12:30 PM	08/28/2011 12:31 PM	0 Hours, 1 Minutes	Orange and Rockland Utilities, Inc.	NPCC	New York	Severe Weather	N/A	116000
2011	9	09/03/2011 2:00 PM	09/08/2011 6:00 PM	124 Hours, 0 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	Southeast Lower Peninsula, Michigan	Severe Weather	UNK	105000
2011	9	09/05/2011 4:30 PM	09/07/2011 3:45 PM	47 Hours, 15 Minutes	Southern Company	SERC	Alabama; Georgia	Severe Weather	177	53295
2011	9	09/08/2011 3:28 PM	09/10/2011 3:30 PM	48 Hours, 2 Minutes	WECC Reliability Coordinator	WECC	Arizona; California	Transmission/Distribution Interruption; Load Shed; Generation Inadequacy	7000	2000000
2011	9	09/21/2011 2:37 PM	09/21/2011 3:47 PM	1 Hours, 10 Minutes	Puerto Rico Electric Power Authority (PREPA)	N/A	Puerto Rico	Generation Inadequacy; Load Shed	600	319616
2011	9	09/29/2011 5:00 AM	09/30/2011 6:00 AM	25 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston metro area, Texas	Severe Weather	N/A	65000
2011	10	10/26/2011 5:00 AM	10/27/2011 3:00 PM	34 Hours, 0 Minutes	Public Service Company of Colorado	WECC	Denver; Ft. Collins, Colorado	Severe Weather	UNK	204000
2011	10	10/29/2011 8:59 AM	11/07/2011 3:00 PM	222 Hours, 1 Minutes	Potomac Edison	RFC	Pennsylvania	Severe Weather	UNK	50000
2011	10	10/29/2011 8:59 AM	11/07/2011 7:58 PM	226 Hours, 59 Minutes	Metropolitan Edison Company	RFC	Pennsylvania	Severe Weather	UNK	312359
2011	10	10/29/2011 9:59 AM	11/07/2011 1:00 PM	219 Hours, 1 Minutes	Jersey Central Power & Light Company	RFC	Northwest and Central New Jersey	Severe Weather	UNK	379000
2011	10	10/29/2011 11:18 AM	11/04/2011 12:00 AM	132 Hours, 42 Minutes	New York State Elec & Gas Corp	NPCC	Southeast New York	Severe Weather	UNK	161151
2011	10	10/29/2011 12:57 PM	11/03/2011 11:00 PM	130 Hours, 3 Minutes	PPL Electric Utilities	RFC	Harrisburg, Lehigh Valley, Lancaster Region Pennsylvania	Severe Weather	UNK	146721
2011	10	10/29/2011 2:00 PM	10/31/2011 2:00 PM	48 Hours, 0 Minutes	Exelon Corporation/PECO	RFC	Southeast Pennsylvania	Severe Weather	UNK	109335
2011	10	10/29/2011 2:30 PM	11/06/2011 12:00 PM	189 Hours, 30 Minutes	Public Service Electric and Gas Company	RFC	New Jersey	Severe Weather	125	197000
2011	10	10/29/2011 3:00 PM	11/02/2011 8:15 AM	89 Hours, 15 Minutes	Central Hudson Gas & Electric Corp.	NPCC	Mid-Hudson Valley Region, New York	Severe Weather	N/A	145000
2011	10	10/29/2011 4:14 PM	11/07/2011 4:00 PM	215 Hours, 46 Minutes	ISO New England	NPCC	Connecticut; Maine; Massachusetts; New Hampshire; Rhode Island	Severe Weather	UNK	1418100
2011	10	10/29/2011 4:16 PM	11/02/2011 9:30 PM	101 Hours, 14 Minutes	Consolidated Edison Company of NY, Inc	NPCC	New York City area	Severe Weather	UNK	50000
2011	10	10/29/2011 8:00 PM	10/31/2011 8:00 PM	48 Hours, 0 Minutes	Orange and Rockland Utilities, Inc	NPCC, RFC	New Jersey; New York	Severe Weather	N/A	74000
2011	11	11/30/2011 4:56 PM	12/02/2011 10:00 AM	41 Hours, 4 Minutes	Los Angeles Department of Water and Power	WECC	City of Los Angeles, California	Severe Weather	UNK	150000
2011	12	12/01/2011 12:45 AM	12/07/2011 9:00 PM	164 Hours, 15 Minutes	Southern California Edison (SCE)	WECC	Southern California	Severe Weather	UNK	91690
2011	12	12/01/2011 3:29 AM	12/02/2011 1:05 PM	33 Hours, 36 Minutes	Pacific Gas and Electric	WECC	Northern California	Severe Weather	300	100000
2011	12	12/01/2011 10:00 AM	12/02/2011 1:11 PM	27 Hours, 11 Minutes	PacifiCorp	WECC	Wasatch Front Area Utah	Severe Weather	UNK	60000
2011	12	12/06/2011 8:00 AM	12/06/2011 8:00 PM	12 Hours, 0 Minutes	Montana Dakota Utilities	MRO	Bismarck-Mandan, North Dakota	Public Appeal to Reduce Electricity Usage	155	34500
2011	12	12/07/2011 7:29 PM	12/07/2011 10:57 PM	3 Hours, 28 Minutes	Dominion Virginia Power	SERC	Central Virginia	Severe Weather	240	60000

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.

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 Form EIA-923 (Schedule 2) in January of 2008. The Form EIA-923 maintains the 50-megawatt threshold for these data. However, not all data are collected monthly on the new form. Beginning with 2008 data, a sample of the respondents will report monthly, with the remainder reporting annually (monthly values will be imputed via regression). For 2007, Schedule 2 annual data was not collected or imputed. Most of the plants required to report on Schedule 2 already submitted their 2007 receipts data on a monthly basis.

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 were performed as the data were 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 were manually entered into the computerized database. The data were subjected to the same edits as those that were electronically submitted.

If the reported data appeared to be in error and the data issue could not be resolved by follow up contact with the respondent, or if a facility was a nonrespondent, a regression methodology was used to impute for the facility.

Imputation: For data collected monthly, regression prediction, or imputation, is done for all 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 whose total fossil-fueled nameplate capacity is 50 megawatts or more (excluding storage terminals, which do not produce electricity). The data on cost and quality of fuel shipments are then 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.

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

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

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

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

Table C.1 Average Heat Content of Fossil-Fuel Receipts, November 2012

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	24.83	6.03	--	1.03
Connecticut	--	5.85	--	1.03
Maine	25.69	6.12	--	1.04
Massachusetts	24.66	5.96	--	1.04
New Hampshire	25.43	6.13	--	1.03
Rhode Island	--	5.94	--	1.03
Vermont	--	6.01	--	1.02
Middle Atlantic	22.40	5.98	28.59	1.03
New Jersey	26.09	5.71	28.59	1.03
New York	23.47	6.03	28.59	1.03
Pennsylvania	22.24	5.82	28.59	1.03
East North Central	20.04	5.98	28.45	1.02
Illinois	17.88	5.78	--	1.02
Indiana	21.87	6.14	--	1.01
Michigan	18.93	5.83	28.74	1.02
Ohio	23.72	5.74	28.66	1.03
Wisconsin	18.13	5.82	27.73	1.03
West North Central	16.68	5.75	28.59	1.02
Iowa	17.21	5.83	28.59	1.02
Kansas	17.25	5.77	--	1.01
Minnesota	17.76	5.81	--	1.02
Missouri	17.69	5.49	--	1.04
Nebraska	17.12	5.71	--	1.02
North Dakota	13.05	5.79	--	1.02
South Dakota	16.73	5.78	--	1.02
South Atlantic	23.49	5.94	28.85	1.02
Delaware	25.89	5.74	--	1.04
District of Columbia	--	--	--	1.03
Florida	23.50	5.81	29.04	1.01
Georgia	19.77	6.09	28.35	1.02
Maryland	25.19	5.84	--	1.03
North Carolina	24.62	5.99	--	1.02
South Carolina	25.02	6.11	--	1.03
Virginia	22.42	6.00	--	1.04
West Virginia	24.30	5.75	--	1.03
East South Central	21.28	5.77	28.31	1.01
Alabama	20.66	5.76	--	1.02
Kentucky	22.58	5.74	28.31	1.03
Mississippi	16.28	5.80	--	1.00
Tennessee	21.25	5.86	--	1.02
West South Central	15.97	5.78	28.58	1.02
Arkansas	17.37	5.52	--	1.03
Louisiana	16.40	6.05	28.62	1.02
Oklahoma	17.37	5.78	28.59	1.03
Texas	15.37	5.74	28.46	1.02
Mountain	18.81	5.60	29.15	1.03
Arizona	19.22	5.66	--	1.02
Colorado	19.24	5.53	--	1.04
Idaho	20.54	5.80	--	1.02
Montana	16.88	5.35	29.15	1.02
Nevada	20.05	5.85	--	1.03
New Mexico	17.98	5.67	--	1.03
Utah	22.20	5.82	--	1.03
Wyoming	17.71	5.07	--	1.00
Pacific Contiguous	17.74	5.72	28.59	1.02
California	23.26	5.73	28.59	1.02
Oregon	16.75	5.82	--	1.03
Washington	16.85	5.72	--	1.01
Pacific Noncontiguous	17.12	5.95	--	1.01
Alaska	16.68	5.44	--	1.01
Hawaii	23.49	6.03	--	--
U.S. Total	19.36	5.93	28.59	1.02

'Coal' includes anthracite, bituminous, subbituminous, lignite, waste coal, coal synfuel, 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

	2009			2010			2011		
Item	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change
Net Generation (Thousand MWh)									
Coal	1,764,486	1,755,904	-0.49%	1,850,750	1,847,290	-0.19%	1,734,265	1,733,430	-0.05%
Petroleum Liquids	25,792	25,972	0.70%	23,397	23,337	-0.26%	15,840	16,086	1.56%
Petroleum Coke	13,035	12,964	-0.54%	13,528	13,724	1.45%	12,322	14,096	14.39%
Natural Gas	920,378	920,979	0.07%	981,815	987,697	0.60%	1,016,595	1,013,689	-0.29%
Other Gases	10,698	10,632	-0.61%	11,193	11,313	1.07%	11,269	11,566	2.64%
Hydroelectric	267,784	268,818	0.39%	252,961	254,702	0.69%	319,162	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.