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Contacts

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

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

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

Email address: infoelectric@eia.gov

Subject specialists:

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

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

Preface

The Electric Power Monthly (EPM) presents monthly 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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	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Net Generation (thousand megawatthours)											
Coal	121,587	126,627	-4.0%	91,264	94,046	29,128	31,395	43	65	1,152	1,120
Petroleum Liquids	1,132	1,114	1.6%	853	837	218	213	8	6	53	58
Petroleum Coke	729	948	-23.1%	409	618	155	225	1	--	164	104
Natural Gas	92,141	78,819	16.9%	38,530	33,218	46,044	38,745	471	438	7,096	6,419
Other Gas	820	941	-12.8%	NM	1	206	239	--	*	614	700
Nuclear	59,743	63,337	-5.7%	31,289	33,558	28,455	29,779	--	--	--	--
Hydroelectric Conventional	16,207	19,787	-18.1%	14,704	17,509	1,393	2,150	NM	2	107	126
Other Renewables	19,091	16,554	15.3%	2,465	2,041	14,061	12,075	239	204	2,326	2,233
Wood and Wood-Derived Fuels	3,073	2,954	4.0%	121	154	708	653	NM	1	2,241	2,146
Other Biomass	1,660	1,631	1.8%	122	130	1,238	1,225	219	190	81	86
Geothermal	1,413	1,285	10.0%	99	99	1,314	1,186	--	--	--	--
Solar Thermal and Photovoltaic	431	159	171.5%	55	21	362	130	13	7	NM	1
Wind	12,514	10,525	18.9%	2,069	1,637	10,438	8,882	NM	6	NM	1
Hydroelectric Pumped Storage	-351	-572	-38.7%	-295	-488	-55	-84	--	--	--	--
Other Energy Sources	1,057	1,172	-9.7%	30	46	590	578	91	84	347	463
All Energy Sources	312,157	308,727	1.1%	179,250	181,388	120,193	115,317	855	799	11,860	11,224
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	66,745	69,605	-4.1%	49,296	50,644	16,991	18,520	20	21	438	419
Petroleum Liquids (1000 barrels)	1,860	1,835	1.4%	1,490	1,481	297	280	12	10	61	64
Petroleum Coke (1000 tons)	266	338	-21.3%	156	229	57	83	*	--	53	25
Natural Gas (1000 Mcf)	699,343	599,544	16.6%	306,157	266,740	339,034	284,312	3,931	3,727	50,220	44,764
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,731	1,712	1.1%	--	--	278	294	95	89	1,358	1,329
Petroleum Liquids (1000 barrels)	245	311	-21.3%	--	--	87	87	8	5	149	219
Petroleum Coke (1000 tons)	113	91	24.2%	--	--	9	7	1	--	103	84
Natural Gas (1000 Mcf)	74,631	66,780	11.8%	--	--	26,206	23,880	3,881	3,155	44,544	39,744
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	68,476	71,317	-4.0%	49,296	50,644	17,269	18,814	115	110	1,796	1,748
Petroleum Liquids (1000 barrels)	2,105	2,145	-1.9%	1,490	1,481	384	367	21	14	210	283
Petroleum Coke (1000 tons)	379	429	-11.6%	156	229	66	90	1	--	156	109
Natural Gas (1000 Mcf)	773,974	666,323	16.2%	306,157	266,740	365,240	308,192	7,812	6,882	94,764	84,509
Fuel Stocks (end-of-month)											
Coal (1000 tons)	187,538	158,831	18.1%	151,440	128,170	33,222	28,026	424	427	2,453	2,208
Petroleum Liquids (1000 barrels)	34,395	38,090	-9.7%	23,701	25,756	8,033	9,536	266	289	2,396	2,508
Petroleum Coke (1000 tons)	902	1,014	-11.0%	339	346	59	94	W	--	W	573

Sales, Revenue, and Average Retail Price for October									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	October 2012	October 2011	Percentage Change	October 2012	October 2011	Percentage Change	October 2012	October 2011	Percentage Change
Residential	96,707	94,585	2.2%	11,633	11,427	1.8%	12.03	12.08	-0.4%
Commercial	110,111	108,655	1.3%	11,132	11,142	-0.1%	10.11	10.25	-1.4%
Industrial	82,600	84,287	-2.0%	5,490	5,706	-3.8%	6.65	6.77	-1.8%
Transportation	619	616	0.4%	61	63	-3.2%	9.88	10.25	-3.6%
All Sectors	290,037	288,144	0.7%	28,317	28,338	-0.1%	9.76	9.83	-0.7%

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 October											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
Net Generation (thousand megawatthours)											
Coal	1,253,981	1,479,039	-15.2%	950,035	1,111,364	291,826	354,518	684	909	11,435	12,248
Petroleum Liquids	11,260	13,826	-18.6%	8,541	9,987	2,208	3,212	72	74	439	553
Petroleum Coke	8,104	12,388	-34.6%	4,792	8,362	1,560	2,984	4	2	1,747	1,039
Natural Gas	1,066,899	852,126	25.2%	439,499	350,125	550,891	429,710	4,945	4,551	71,564	67,740
Other Gas	9,595	9,618	-0.2%	NM	22	2,303	2,443	NM	3	7,280	7,151
Nuclear	644,035	653,893	-1.5%	332,129	342,239	311,906	311,654	--	--	--	--
Hydroelectric Conventional	234,453	274,942	-14.7%	215,132	251,382	17,890	22,064	NM	22	1,396	1,475
Other Renewables	179,678	158,246	13.5%	22,784	17,685	131,592	115,729	2,269	2,061	23,033	22,772
Wood and Wood-Derived Fuels	30,975	31,008	-0.1%	1,470	1,739	7,231	7,235	21	21	22,253	22,012
Other Biomass	16,630	15,806	5.2%	1,215	1,168	12,581	11,963	2,088	1,925	746	750
Geothermal	13,903	12,760	9.0%	947	938	12,956	11,822	--	--	--	--
Solar Thermal and Photovoltaic	3,770	1,590	137.1%	535	172	3,112	1,336	111	76	12	6
Wind	114,401	97,082	17.8%	18,617	13,667	95,712	83,373	50	39	21	3
Hydroelectric Pumped Storage	-3,718	-4,968	-25.2%	-3,101	-4,480	-617	-488	--	--	--	--
Other Energy Sources	10,316	11,674	-11.6%	343	509	5,985	5,788	853	785	3,135	4,592
All Energy Sources	3,414,602	3,460,784	-1.3%	1,970,163	2,087,194	1,315,544	1,247,614	8,865	8,406	120,029	117,570
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	683,579	794,269	-13.9%	510,503	586,291	168,574	202,861	256	301	4,246	4,817
Petroleum Liquids (1000 barrels)	19,258	23,543	-18.2%	15,185	17,817	3,421	5,012	111	115	542	599
Petroleum Coke (1000 tons)	2,955	4,391	-32.7%	1,767	3,042	611	1,112	1	1	575	236
Natural Gas (1000 Mcf)	8,238,755	6,673,803	23.4%	3,584,010	2,932,739	4,113,782	3,228,383	41,231	39,152	499,733	473,528
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	16,832	18,031	-6.6%	--	--	2,871	3,054	1,007	1,111	12,954	13,866
Petroleum Liquids (1000 barrels)	2,293	3,247	-29.4%	--	--	780	845	94	150	1,419	2,252
Petroleum Coke (1000 tons)	1,033	896	15.3%	--	--	94	93	9	4	931	800
Natural Gas (1000 Mcf)	753,223	696,214	8.2%	--	--	275,706	256,301	37,733	32,352	439,784	407,561
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	700,411	812,300	-13.8%	510,503	586,291	171,445	205,915	1,263	1,411	17,200	18,683
Petroleum Liquids (1000 barrels)	21,551	26,790	-19.6%	15,185	17,817	4,201	5,857	205	265	1,961	2,850
Petroleum Coke (1000 tons)	3,988	5,287	-24.6%	1,767	3,042	705	1,204	10	4	1,506	1,036
Natural Gas (1000 Mcf)	8,991,979	7,370,017	22.0%	3,584,010	2,932,739	4,389,488	3,484,684	78,964	71,504	939,517	881,089

Sales, Revenue, and Average Retail Price for January through October									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	Percentage Change
Residential	1,163,630	1,213,240	-4.1%	138,721	142,470	-2.6%	11.92	11.74	1.5%
Commercial	1,117,747	1,122,633	-0.4%	113,614	115,652	-1.8%	10.16	10.30	-1.4%
Industrial	824,262	830,501	-0.8%	55,460	57,120	-2.9%	6.73	6.88	-2.2%
Transportation	6,291	6,427	-2.1%	630	680	-7.3%	10.02	10.58	-5.3%
All Sectors	3,111,929	3,172,800	-1.9%	308,425	315,922	-2.4%	9.91	9.96	-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	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal (1000 tons)	72,944	82,470	46.00	46.57	560	591	705,687	789,388	46.69	46.95
Petroleum Liquids (1000 barrels)	1,884	3,265	133.61	126.11	1,277	1,178	20,953	30,678	130.82	118.34
Petroleum Coke (1000 tons)	394	541	59.11	94.90	26	34	3,898	4,963	73.42	89.02
Natural Gas (1000 Mcf)	797,656	695,275	3.90	4.43	1,624	1,797	9,216,771	7,648,801	3.35	4.95

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal (1000 tons)	51,322	59,898	47.18	47.86	300	322	503,989	575,132	47.75	47.98
Petroleum Liquids (1000 barrels)	1,291	2,171	135.11	130.21	844	753	14,273	20,361	133.59	121.52
Petroleum Coke (1000 tons)	251	289	59.25	93.48	5	7	1,935	2,919	64.97	93.21
Natural Gas (1000 Mcf)	312,024	270,541	4.24	4.80	609	786	3,631,801	2,983,238	3.68	5.19

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal (1000 tons)	19,797	20,611	41.37	41.35	127	132	183,650	194,424	42.13	42.30
Petroleum Liquids (1000 barrels)	376	655	134.14	122.12	219	227	3,825	5,872	131.57	117.99
Petroleum Coke (1000 tons)	34	126	38.14	W	6	12	772	958	88.51	68.63
Natural Gas (1000 Mcf)	368,999	313,229	3.75	4.22	560	552	4,404,613	3,511,818	3.16	4.86

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal (1000 tons)	99	136	56.58	56.21	21	22	1,211	1,401	58.87	62.74
Petroleum Liquids (1000 barrels)	20	NM	135.32	NM	90	72	289	282	129.02	117.08
Petroleum Coke (1000 tons)	1	NM	W	W	1	1	10	7	W	W
Natural Gas (1000 Mcf)	NM	NM	NM	4.98	124	130	82,685	76,297	3.83	5.44

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal (1000 tons)	1,727	1,824	63.55	62.68	112	115	16,837	18,432	64.00	62.86
Petroleum Liquids (1000 barrels)	197	407	122.57	110.71	124	126	2,566	4,163	114.51	103.35
Petroleum Coke (1000 tons)	107	126	W	W	14	14	1,181	1,078	W	W
Natural Gas (1000 Mcf)	108,408	104,110	3.37	4.06	331	329	1,097,672	1,077,447	2.95	4.52

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	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal	1,411,063	1,606,941	2.38	2.39	560	591	13,674,192	15,455,537	2.41	2.40
Petroleum Liquids	11,202	19,618	22.48	20.99	1,277	1,178	125,115	184,418	21.91	19.69
Petroleum Coke	11,282	15,481	2.07	3.32	26	34	111,810	142,193	2.56	3.11
Natural Gas	815,864	710,451	3.81	4.33	1,624	1,797	9,424,101	7,813,410	3.27	4.84
Fossil Fuels	2,249,388	2,352,476	3.00	3.14	2,790	2,781	23,334,865	23,595,445	2.86	3.35

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal	1,005,392	1,186,062	2.41	2.42	300	322	9,884,592	11,444,802	2.43	2.41
Petroleum Liquids	7,745	13,068	22.52	21.63	844	753	85,691	123,474	22.25	20.04
Petroleum Coke	7,203	8,352	2.07	3.23	5	7	55,880	84,131	2.25	3.23
Natural Gas	317,850	275,463	4.16	4.71	609	786	3,704,539	3,038,442	3.60	5.10
Fossil Fuels	1,338,184	1,482,933	2.94	3.02	1,416	1,423	13,730,531	14,690,757	2.87	3.12

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal	366,972	379,229	2.23	2.25	127	132	3,405,816	3,585,176	2.27	2.29
Petroleum Liquids	2,177	3,946	23.20	20.28	219	227	22,355	34,525	22.51	20.07
Petroleum Coke	991	3,603	1.32	W	6	12	22,166	27,508	3.08	2.39
Natural Gas	378,484	320,549	3.66	4.12	560	552	4,510,333	3,589,892	3.09	4.76
Fossil Fuels	748,606	707,324	3.01	W	776	773	7,960,489	7,237,081	2.79	3.60

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal	2,068	2,789	2.72	2.74	21	22	25,319	29,910	2.82	2.94
Petroleum Liquids	120	NM	23.08	NM	90	72	1,714	1,701	21.77	19.38
Petroleum Coke	42	NM	W	W	1	1	276	212	W	W
Natural Gas	NM	NM	NM	4.87	124	130	84,544	77,931	3.75	5.32
Fossil Fuels	NM	NM	W	W	180	171	111,853	109,754	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	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
Coal	36,631	38,861	3.00	2.94	112	115	358,465	395,648	3.01	2.93
Petroleum Liquids	1,160	2,410	20.81	18.70	124	126	15,355	24,718	19.14	17.41
Petroleum Coke	3,046	3,512	W	W	14	14	33,488	30,342	W	W
Natural Gas	111,111	106,879	3.29	3.96	331	329	1,124,684	1,107,145	2.88	4.40
Fossil Fuels	151,947	151,661	W	W	418	414	1,531,991	1,557,853	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
2012	3	54842	WM Renewable Energy LLC	IPP	West Camden	TN	57409	GEN3	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	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	Huron Solar Station	CA	57523	1	20.0	SUN	PV
2012	6	14328	Pacific Gas & Electric Co	Electric Utility	West Gates Solar Station	CA	57521	1	10.0	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
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

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	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	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
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	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	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

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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	57070	NAES Corportation- (MA)	IPP	CPV Cimarron I	KS	57762	CPV1	165.6	WND	WT
2012	11	58090	NextEra Energy Resources Ensign Wind		Ensign Wind LLC	KS	58137	1	98.9	WND	WT
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

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Notes: See Glossary for definitions. Totals may not equal sum of components because of independent rounding.

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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	16,253.0
Year-to-Date Capacity of Retired Units	9,289.0
Year-to-Date U.S. Capacity	1,058,216.0

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

Year	Month	Entity ID	Entity Name	PlantProducer Type	Plant Name	PlantState	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	56317	Standard Binghamton LLC	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
2012	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	5	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	PlantProducer Type	Plant Name	PlantState	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	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	13	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	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

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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	16,253.0
Year-to-Date Capacity of Retired Units	9,289.0
Year-to-Date U.S. Capacity	1,058,216.0

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2002-October 2012
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	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	194,029	-5,905	14,106	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	14,746	-426	1,067	363,105
February	138,311	1,217	1,217	65,924	807	64,789	24,131	16,119	-247	1,023	313,293
March	134,845	1,276	1,416	65,947	945	65,662	31,134	16,654	-349	1,178	318,710
April	124,488	1,459	965	70,029	918	54,547	31,194	18,129	-466	1,137	302,400
May	137,102	1,356	1,023	75,243	875	57,013	32,587	17,642	-418	1,206	323,627
June	158,055	1,374	1,220	90,691	1,013	65,270	32,151	17,288	-567	1,232	367,727
July	176,586	1,714	1,440	119,624	1,098	72,345	31,285	14,004	-708	1,305	418,693
August	171,281	1,295	1,299	119,856	1,087	71,339	25,764	14,058	-663	1,226	406,541
Sept	140,941	1,119	1,305	91,739	1,004	66,849	21,378	13,052	-553	1,128	337,961
October	126,627	1,114	948	78,819	941	63,337	19,787	16,554	-572	1,172	308,727
November	121,463	1,082	701	75,441	943	64,474	20,681	18,593	-441	1,183	304,119
December	132,929	1,178	1,007	86,122	1,005	71,837	23,732	17,189	-496	1,249	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
Year to Date											
2010	1,544,847	19,722	11,737	840,897	9,454	670,630	217,472	136,032	-4,504	10,644	3,456,931
2011	1,479,039	13,826	12,388	852,126	9,618	653,893	274,942	158,246	-4,968	11,674	3,460,784
2012	1,253,981	11,260	8,104	1,066,899	9,595	644,035	234,453	179,678	-3,718	10,316	3,414,602
Rolling 12 Months Ending in October											
2011	1,781,482	17,441	14,376	998,926	11,477	790,232	317,673	189,387	-5,965	13,885	4,128,913
2012	1,508,372	13,520	9,812	1,228,462	11,543	780,346	278,866	215,461	-4,655	12,748	4,054,474

Since 2011, Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, coal synfuel, and coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Since 2011, Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil. Prior to 2011 propane was in the Other Gas category.
Since 2011, Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Prior to 2011, synthesis gas derived from petroleum coke was in the Other Gas category. Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Other Renewables 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, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
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 Renewables.
Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed.
The new methodology was retroactively applied to 2004-2007. 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. 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-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 1.1.A. Net Generation by Other Renewables: Total (All Sectors), 2002-October 2012
(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels	Geothermal	Other Biomass	Total (Other Renewables)
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	15,364	19,222	194,029
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	1,351	1,515	14,746
February	10,452	85	2,937	1,219	1,427	16,119
March	10,545	122	3,081	1,342	1,565	16,654
April	12,422	164	2,798	1,243	1,503	18,129
May	11,772	191	2,794	1,322	1,563	17,642
June	10,985	223	3,230	1,218	1,632	17,288
July	7,489	191	3,362	1,273	1,690	14,004
August	7,474	229	3,384	1,279	1,692	14,058
Sept	6,869	186	3,178	1,229	1,589	13,052
October	10,525	159	2,954	1,285	1,631	16,554
November	12,439	107	3,088	1,275	1,684	18,593
December	10,656	121	3,353	1,329	1,731	17,189
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
Year to Date						
2010	75,845	1,091	30,816	12,637	15,642	136,032
2011	97,082	1,590	31,008	12,760	15,806	158,246
2012	114,401	3,770	30,975	13,903	16,630	179,678
Rolling 12-Month Ending in October						
2011	115,889	1,711	37,364	15,342	19,081	189,387
2012	137,495	3,998	37,416	16,507	20,045	215,461

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 Renewables.
Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed. The new methodology was retroactively applied to 2004-2007. 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; 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-October 2012
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	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
Year to Date											
2010	1,154,769	14,671	7,567	334,071	49	354,009	197,521	14,539	-3,629	389	2,073,954
2011	1,111,364	9,987	8,362	350,125	22	342,239	251,382	17,685	-4,480	509	2,087,194
2012	950,035	8,541	4,792	439,499	NM	332,129	215,132	22,784	-3,101	343	1,970,163
Rolling 12 Months Ending in October											
2011	1,334,624	12,574	9,603	408,670	26	413,073	289,964	21,073	-5,317	582	2,484,872
2012	1,139,779	10,243	5,858	504,217	NM	405,188	255,164	27,032	-3,919	437	2,344,014

Since 2011, Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, coal synfuel, and coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Since 2011, Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil. Prior to 2011 propane was in the Other Gas category.
Since 2011, Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Prior to 2011, synthesis gas derived from petroleum coke was in the Other Gas category. Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Other Renewables 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, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
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 Renewables.
Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed.
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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-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 1.3. Net Generation by Energy Source: Independent Power Producers, 2002-October 2012
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	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	142,001	-607	7,012	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	10,450	74	526	129,282
February	33,475	252	298	33,924	206	30,670	1,782	11,908	58	499	113,071
March	31,255	229	393	32,750	251	31,461	2,544	12,265	-72	585	111,660
April	29,625	221	258	34,103	243	25,583	2,728	13,673	-63	580	106,952
May	31,525	242	259	36,802	235	28,511	2,950	13,351	-51	586	114,409
June	36,936	347	284	45,115	253	30,635	2,367	12,915	-76	617	129,393
July	42,051	554	358	62,024	261	33,901	1,993	9,973	-96	641	151,659
August	40,884	320	298	61,922	263	33,903	1,800	9,995	-94	610	149,901
Sept	34,521	246	261	46,908	251	32,210	1,965	9,125	-83	565	125,969
October	31,395	213	225	38,745	239	29,779	2,150	12,075	-84	578	115,317
November	30,220	204	207	37,730	224	30,367	1,801	13,844	-60	589	115,124
December	32,045	238	241	44,007	244	32,885	2,252	12,429	-59	635	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
Year to Date											
2010	373,660	4,267	2,993	435,138	2,492	316,621	18,484	98,032	-875	5,238	1,256,050
2011	354,518	3,212	2,984	429,710	2,443	311,654	22,064	115,729	-488	5,788	1,247,614
Rolling 12 Months Ending in October											
2011	430,568	4,062	3,488	503,345	2,866	377,159	25,931	138,653	-648	6,895	1,492,318
2012	354,091	2,651	2,008	632,629	2,770	375,158	21,943	157,864	-736	7,209	1,555,587

Since 2011, Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, coal synfuel, and coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Since 2011, Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil. Prior to 2011 propane was in the Other Gas category.
Since 2011, Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Prior to 2011, synthesis gas derived from petroleum coke was in the Other Gas category. Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Other Renewables 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, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
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 Renewables.
Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed.
The new methodology was retroactively applied to 2004-2007. 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. 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-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 1.4. Net Generation by Energy Source: Commerical Combined Heat and Power Sector, 2002-October 2012
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	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
Year to Date											
2010	954	103	5	3,849	2	--	63	1,435	--	704	7,115
2011	909	74	2	4,551	3	--	22	2,061	--	785	8,406
2012	684	72	4	4,945	NM	--	NM	2,269	--	853	8,865
Rolling 12 Months Ending in October											
2011	1,066	89	4	5,428	3	--	39	2,340	--	915	9,883
2012	824	NM	5	5,881	NM	--	NM	2,684	--	1,018	10,538

Since 2011, Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, coal synfuel, and coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Since 2011, Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil. Prior to 2011 propane was in the Other Gas category.
Since 2011, Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Prior to 2011, synthesis gas derived from petroleum coke was in the Other Gas category. Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Other Renewables 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, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
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 Renewables.
Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed.
The new methodology was retroactively applied to 2004-2007. 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. 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-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 1.5. Net Generation by Energy Source: Industrial Combined Heat and Power Sector, 2002-October 2012
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	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
Year to Date											
2010	15,464	681	1,172	67,840	6,911	--	1,404	22,026	--	4,314	119,812
2011	12,248	553	1,039	67,740	7,151	--	1,475	22,772	--	4,592	117,570
2012	11,435	439	1,747	71,564	7,280	--	1,396	23,033	--	3,135	120,029
Rolling 12 Months Ending in October											
2011	15,225	717	1,281	81,483	8,582	--	1,739	27,321	--	5,492	141,840
2012	13,677	543	1,942	85,735	8,753	--	1,720	27,880	--	4,084	144,334

Since 2011, Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, coal synfuel, and coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Since 2011, Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil. Prior to 2011 propane was in the Other Gas category.
Since 2011, Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Prior to 2011, synthesis gas derived from petroleum coke was in the Other Gas category. Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Other Renewables 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, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.
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 Renewables.
Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed.
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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-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 1.6.A. Net Generation
by State, by Sector, October 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	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	8,979	8,923	0.6%	141	273	8,312	8,167	70	70	456	414
Connecticut	2,718	2,417	12.5%	NM	NM	2,675	2,369	NM	19	NM	20
Maine	1,239	1,271	-2.5%	NM	*	804	882	18	16	417	374
Massachusetts	2,885	3,305	-12.7%	38	69	2,802	3,190	30	30	NM	16
New Hampshire	830	932	-11.0%	60	129	766	800	NM	*	NM	2
Rhode Island	755	726	4.0%	1	*	749	722	NM	NM	--	--
Vermont	553	273	102.5%	35	66	516	204	NM	*	NM	3
Middle Atlantic	32,361	34,528	-6.3%	2,589	3,029	29,288	31,058	133	137	351	304
New Jersey	4,660	5,149	-9.5%	-9	-4	4,578	5,043	44	45	48	64
New York	10,774	11,404	-5.5%	2,544	2,835	8,083	8,425	70	69	77	75
Pennsylvania	16,927	17,976	-5.8%	54	197	16,627	17,590	19	23	227	165
East North Central	46,281	47,923	-3.4%	23,102	25,356	22,242	21,631	175	133	761	803
Illinois	15,446	15,942	-3.1%	756	844	14,449	14,877	36	27	205	195
Indiana	8,577	9,451	-9.2%	7,333	8,148	1,002	1,022	16	13	226	268
Michigan	8,365	8,075	3.6%	6,407	6,585	1,766	1,320	98	70	94	101
Ohio	9,049	9,493	-4.7%	5,532	6,231	3,436	3,178	NM	15	67	68
Wisconsin	4,843	4,962	-2.4%	3,073	3,548	1,590	1,234	NM	9	169	172
West North Central	25,773	25,883	-0.4%	22,604	22,769	2,767	2,762	48	41	353	311
Iowa	4,249	4,539	-6.4%	3,359	3,299	698	1,050	15	14	177	176
Kansas	3,669	3,690	-0.6%	3,257	3,429	411	261	--	--	--	*
Minnesota	4,339	3,968	9.4%	3,433	3,166	753	699	19	11	134	92
Missouri	6,717	7,027	-4.4%	6,545	6,899	157	110	12	15	NM	4
Nebraska	2,670	2,910	-8.2%	2,547	2,809	95	77	NM	1	27	23
North Dakota	2,986	2,985	0.0%	2,552	2,598	421	370	NM	*	13	17
South Dakota	1,142	763	49.8%	910	568	232	194	NM	*	--	--
South Atlantic	58,119	53,917	7.8%	47,213	43,505	9,335	8,804	68	50	1,503	1,558
Delaware	701	536	30.9%	NM	2	652	455	NM	1	47	79
District of Columbia	NM	6	NM	NM	6	--	--	--	--	--	--
Florida	18,496	17,164	7.8%	16,890	15,588	1,142	1,075	NM	6	458	496
Georgia	9,344	8,489	10.1%	7,767	6,878	1,148	1,204	NM	1	426	405
Maryland	3,258	3,150	3.4%	NM	*	3,185	3,075	21	8	51	65
North Carolina	8,106	7,926	2.3%	7,460	7,340	496	400	4	1	146	185
South Carolina	7,770	7,809	-0.5%	7,568	7,602	64	52	NM	*	139	155
Virginia	4,859	3,961	22.7%	3,673	2,757	975	1,054	35	33	176	118
West Virginia	5,579	4,877	14.4%	3,846	3,332	1,672	1,490	--	--	60	56
East South Central	27,880	28,672	-2.8%	24,672	25,106	2,474	2,865	NM	12	722	689
Alabama	11,427	11,730	-2.6%	8,925	8,758	2,166	2,661	--	--	336	311
Kentucky	6,996	7,757	-9.8%	6,953	7,714	NM	2	--	--	39	41
Mississippi	3,930	3,760	4.5%	3,482	3,404	298	196	NM	2	148	159
Tennessee	5,527	5,424	1.9%	5,313	5,229	6	6	NM	11	198	178
West South Central	51,391	49,683	3.4%	18,436	18,825	26,923	25,477	48	45	5,984	5,336
Arkansas	4,381	4,547	-3.6%	2,868	3,185	1,352	1,210	NM	*	160	151
Louisiana	8,296	7,831	5.9%	4,243	4,327	1,542	1,295	NM	3	2,507	2,205
Oklahoma	5,317	4,839	9.9%	3,940	3,689	1,307	1,084	NM	1	68	65
Texas	33,398	32,467	2.9%	7,385	7,624	22,722	21,888	42	40	3,249	2,914
Mountain	30,273	29,292	3.3%	23,462	23,357	6,502	5,634	23	22	286	280
Arizona	8,594	8,796	-2.3%	7,033	7,574	1,534	1,191	NM	7	NM	25
Colorado	4,188	4,172	0.4%	3,387	3,555	793	610	NM	2	NM	5
Idaho	987	877	12.6%	555	581	389	239	--	--	43	57
Montana	2,330	2,576	-9.5%	341	446	1,989	2,129	--	--	NM	1
Nevada	3,146	2,644	19.0%	2,180	1,898	926	723	7	8	33	15
New Mexico	3,051	2,798	9.0%	2,619	2,399	416	391	NM	6	10	3
Utah	3,565	3,605	-1.1%	3,327	3,435	161	90	NM	*	77	80
Wyoming	4,412	3,824	15.4%	4,020	3,469	295	260	--	--	97	95
Pacific Contiguous	29,618	28,425	4.2%	15,965	18,127	12,021	8,571	242	244	1,391	1,482
California	17,595	16,050	9.6%	6,594	8,124	9,535	6,370	234	238	1,232	1,319
Oregon	4,477	4,391	2.0%	3,150	3,369	1,279	979	NM	6	42	37
Washington	7,546	7,984	-5.5%	6,221	6,635	1,207	1,222	NM	*	117	127
Pacific Noncontiguous	1,482	1,482	0.0%	1,066	1,041	328	348	36	45	52	47
Alaska	576	560	2.8%	534	507	18	20	11	22	13	11
Hawaii	907	922	-1.7%	532	534	310	328	25	23	40	37
U.S. Total	312,157	308,727	1.1%	179,250	181,388	120,193	115,317	855	799	11,860	11,224

* = 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 October 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	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	101,806	103,679	-1.8%	2,619	3,756	93,753	94,720	805	788	4,628	4,415
Connecticut	29,851	28,360	5.3%	76	77	29,354	27,915	176	174	245	194
Maine	12,678	13,161	-3.7%	NM	1	8,374	8,987	169	145	4,134	4,029
Massachusetts	30,548	32,913	-7.2%	508	509	29,438	31,848	397	408	206	147
New Hampshire	15,825	16,467	-3.9%	1,522	2,578	14,263	13,846	13	18	26	26
Rhode Island	7,402	7,186	3.0%	10	10	7,344	7,136	48	40	--	--
Vermont	5,502	5,592	-1.6%	503	581	4,979	4,988	NM	3	NM	20
Middle Atlantic	359,001	360,006	-0.3%	30,462	31,245	323,370	323,767	1,428	1,244	3,741	3,751
New Jersey	56,029	54,489	2.8%	-85	-146	55,080	53,542	471	421	563	672
New York	115,496	115,407	0.1%	29,707	29,975	84,293	84,003	696	590	800	839
Pennsylvania	187,477	190,110	-1.4%	840	1,416	183,996	186,222	261	232	2,379	2,240
East North Central	514,661	530,327	-3.0%	258,063	284,883	246,443	235,535	1,686	1,478	8,468	8,431
Illinois	164,105	166,174	-1.2%	10,632	10,456	150,803	152,937	364	372	2,306	2,409
Indiana	95,367	102,345	-6.8%	82,864	88,119	9,624	11,538	195	190	2,685	2,498
Michigan	92,510	91,551	1.0%	68,086	73,660	22,647	16,190	821	657	955	1,046
Ohio	108,412	116,902	-7.3%	62,272	74,545	45,194	41,409	165	164	780	784
Wisconsin	54,267	53,354	1.7%	34,209	38,103	18,175	13,462	141	95	1,742	1,694
West North Central	273,851	278,718	-1.7%	241,764	250,842	28,098	24,021	518	465	3,470	3,389
Iowa	47,032	47,031	0.0%	35,793	36,449	9,363	8,754	172	192	1,704	1,636
Kansas	36,488	37,297	-2.2%	33,334	35,057	3,133	2,239	--	--	NM	1
Minnesota	43,619	44,537	-2.1%	35,279	37,473	6,859	5,603	186	140	1,295	1,320
Missouri	77,053	80,847	-4.7%	74,294	78,871	2,579	1,795	145	118	36	63
Nebraska	29,068	30,049	-3.3%	27,929	29,186	851	622	15	15	273	226
North Dakota	30,224	28,807	4.9%	26,645	25,394	3,438	3,270	NM	*	140	143
South Dakota	10,366	10,150	2.1%	8,491	8,413	1,875	1,738	NM	*	--	--
South Atlantic	630,685	650,371	-3.0%	510,377	534,243	104,507	100,253	689	672	15,112	15,204
Delaware	7,678	5,431	41.4%	NM	16	6,974	5,124	NM	4	673	288
District of Columbia	79	190	-58.2%	NM	60	9	130	--	--	--	--
Florida	189,096	190,016	-0.5%	169,395	171,200	15,208	14,044	68	56	4,425	4,716
Georgia	104,329	107,333	-2.8%	85,598	92,033	14,680	11,360	25	23	4,026	3,917
Maryland	31,147	35,656	-12.6%	10	7	30,365	34,923	207	216	565	509
North Carolina	97,322	100,760	-3.4%	90,551	94,081	5,331	4,878	36	50	1,405	1,750
South Carolina	81,938	87,098	-5.9%	78,920	84,000	1,454	1,412	NM	*	1,560	1,686
Virginia	59,847	56,745	5.5%	47,148	45,450	10,738	9,478	346	323	1,615	1,493
West Virginia	59,250	67,143	-11.8%	38,658	47,396	19,750	18,903	--	--	843	844
East South Central	313,974	326,808	-3.9%	261,711	285,528	44,602	33,609	134	126	7,527	7,545
Alabama	128,527	130,559	-1.6%	89,968	100,208	34,865	26,785	--	--	3,693	3,566
Kentucky	74,610	82,935	-10.0%	73,900	82,297	340	149	--	--	370	489
Mississippi	46,438	43,804	6.0%	35,583	35,650	9,342	6,611	NM	20	1,492	1,523
Tennessee	64,400	69,509	-7.4%	62,259	67,374	55	63	113	106	1,972	1,967
West South Central	578,362	577,201	0.2%	213,920	220,216	304,375	298,993	533	493	59,534	57,499
Arkansas	55,530	52,126	6.5%	37,393	37,918	16,547	12,607	NM	4	1,586	1,596
Louisiana	88,293	88,749	-0.5%	45,089	46,657	20,334	18,631	NM	40	22,830	23,421
Oklahoma	68,078	64,176	6.1%	49,550	50,166	17,827	13,324	NM	21	668	664
Texas	366,461	372,150	-1.5%	81,888	85,475	249,667	254,431	457	427	34,449	31,818
Mountain	309,882	305,212	1.5%	243,424	247,854	63,482	54,408	237	225	2,739	2,724
Arizona	94,920	91,479	3.8%	78,331	78,851	16,315	12,316	65	60	209	253
Colorado	44,886	42,929	4.6%	35,165	37,066	9,641	5,792	23	19	56	52
Idaho	13,931	14,629	-4.8%	10,001	11,494	3,504	2,631	--	--	426	504
Montana	22,285	24,604	-9.4%	6,799	8,172	15,480	16,425	--	--	NM	7
Nevada	29,762	26,925	10.5%	20,249	18,158	9,178	8,542	81	80	253	144
New Mexico	30,704	31,842	-3.6%	25,436	26,962	5,130	4,778	66	66	72	36
Utah	32,893	34,230	-3.9%	30,513	32,135	1,656	1,358	NM	*	722	737
Wyoming	40,501	38,574	5.0%	36,929	35,016	2,577	2,566	--	--	995	992
Pacific Contiguous	318,152	313,957	1.3%	197,595	218,258	103,756	79,070	2,412	2,433	14,389	14,197
California	170,642	167,574	1.8%	69,174	89,076	86,206	63,378	2,338	2,384	12,924	12,735
Oregon	50,411	49,364	2.1%	39,273	41,179	10,725	7,763	61	45	352	378
Washington	97,099	97,019	0.1%	89,148	88,003	6,824	7,929	NM	4	1,113	1,084
Pacific Noncontiguous	14,228	14,505	-1.9%	10,229	10,370	3,158	3,238	422	483	419	415
Alaska	5,801	5,553	4.5%	5,355	5,066	171	173	174	223	102	91
Hawaii	8,427	8,953	-5.9%	4,874	5,304	2,987	3,065	248	260	317	323
U.S. Total	3,414,602	3,460,784	-1.3%	1,970,163	2,087,194	1,315,544	1,247,614	8,865	8,406	120,029	117,570

* = 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, October 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	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	51	179	-71.2%	2	44	46	133	--	--	4	2
Connecticut	*	-1	-100.4%	--	--	*	-1	--	--	--	--
Maine	6	4	41.7%	--	--	5	3	--	--	1	1
Massachusetts	44	132	-66.7%	--	--	41	131	--	--	NM	1
New Hampshire	2	44	-96.4%	2	44	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	7,552	7,884	-4.2%	--	*	7,445	7,829	--	*	106	54
New Jersey	95	100	-4.5%	--	--	95	100	--	--	--	--
New York	360	482	-25.4%	--	*	334	458	--	--	26	23
Pennsylvania	7,096	7,302	-2.8%	--	--	7,017	7,271	--	*	80	30
East North Central	25,692	30,914	-16.9%	19,115	21,887	6,315	8,734	11	22	251	271
Illinois	6,310	7,075	-10.8%	749	819	5,425	6,108	NM	2	136	146
Indiana	6,943	8,359	-16.9%	6,442	7,696	490	656	8	4	NM	4
Michigan	4,222	4,682	-9.8%	4,180	4,644	25	2	1	14	16	21
Ohio	5,416	7,696	-29.6%	5,022	5,707	376	1,967	--	*	18	22
Wisconsin	2,799	3,102	-9.7%	2,722	3,021	--	--	NM	2	76	79
West North Central	17,159	17,827	-3.7%	16,866	17,565	--	--	16	17	277	245
Iowa	2,713	2,885	-6.0%	2,527	2,700	--	--	11	11	175	175
Kansas	2,182	2,343	-6.9%	2,182	2,343	--	--	--	--	--	--
Minnesota	2,011	1,948	3.3%	1,942	1,909	--	--	NM	--	69	39
Missouri	5,464	6,280	-13.0%	5,457	6,271	--	--	5	6	NM	3
Nebraska	2,242	2,092	7.2%	2,218	2,072	--	--	--	--	23	20
North Dakota	2,241	2,268	-1.2%	2,234	2,260	--	--	--	--	7	8
South Dakota	305	11	2,734.2%	305	11	--	--	--	--	--	--
South Atlantic	19,782	18,511	6.9%	16,044	15,195	3,536	3,081	NM	2	199	233
Delaware	139	42	235.9%	--	--	139	42	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3,824	3,488	9.6%	3,688	3,318	114	145	--	--	NM	25
Georgia	3,064	3,063	0.0%	3,028	2,997	--	--	--	--	36	65
Maryland	1,501	1,374	9.3%	--	--	1,483	1,355	--	--	18	19
North Carolina	3,379	3,266	3.5%	3,177	3,134	174	108	3	1	NM	23
South Carolina	1,864	1,788	4.3%	1,851	1,757	--	11	--	--	14	20
Virginia	634	860	-26.2%	497	703	85	105	NM	1	51	51
West Virginia	5,376	4,631	16.1%	3,803	3,285	1,540	1,316	--	--	33	30
East South Central	13,548	14,150	-4.3%	13,345	13,884	76	143	NM	2	125	121
Alabama	3,815	4,100	-6.9%	3,801	4,085	--	*	--	--	14	15
Kentucky	6,555	7,366	-11.0%	6,555	7,366	--	--	--	--	--	--
Mississippi	257	514	-49.9%	181	371	76	143	--	--	--	--
Tennessee	2,920	2,171	34.5%	2,808	2,062	--	--	NM	2	111	106
West South Central	18,471	18,473	0.0%	9,514	10,005	8,915	8,432	--	--	42	36
Arkansas	1,765	2,383	-25.9%	1,553	1,992	203	383	--	--	9	8
Louisiana	1,834	1,647	11.4%	1,075	858	759	788	--	--	--	--
Oklahoma	2,360	2,320	1.7%	2,122	2,124	205	168	--	--	33	28
Texas	12,512	12,124	3.2%	4,764	5,030	7,748	7,093	--	--	NM	1
Mountain	17,880	17,108	4.5%	15,960	15,055	1,809	1,930	--	--	110	123
Arizona	3,615	3,772	-4.2%	3,595	3,748	--	--	--	--	NM	25
Colorado	3,058	2,718	12.5%	3,046	2,704	NM	14	--	--	--	--
Idaho	6	10	-36.2%	--	--	--	--	--	--	6	10
Montana	1,605	1,733	-7.4%	NM	18	1,579	1,714	--	--	NM	1
Nevada	513	485	5.7%	397	369	116	116	--	--	--	--
New Mexico	2,127	2,018	5.4%	2,127	2,018	--	--	--	--	--	--
Utah	3,032	3,010	0.7%	2,949	2,932	NM	28	--	--	44	49
Wyoming	3,924	3,361	16.7%	3,821	3,265	NM	58	--	--	39	38
Pacific Contiguous	1,278	1,405	-9.0%	402	408	839	964	--	--	36	33
California	133	167	-20.3%	--	--	98	137	--	--	34	30
Oregon	402	408	-1.4%	402	408	--	--	--	--	--	--
Washington	743	830	-10.5%	--	--	741	827	--	--	2	3
Pacific Noncontiguous	175	176	-0.9%	16	4	146	148	10	22	NM	3
Alaska	44	46	-3.9%	16	4	18	20	10	22	--	--
Hawaii	131	130	0.1%	--	--	128	127	--	--	NM	3
U.S. Total	121,587	126,627	-4.0%	91,264	94,046	29,128	31,395	43	65	1,152	1,120

* = 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 October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	2,526	6,307	-60.0%	898	1,908	1,589	4,356	--	--	39	43
Connecticut	71	526	-86.6%	--	--	71	526	--	--	--	--
Maine	35	46	-24.7%	--	--	23	31	--	--	12	15
Massachusetts	1,523	3,827	-60.2%	--	--	1,496	3,799	--	--	27	28
New Hampshire	898	1,908	-53.0%	898	1,908	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	78,649	98,612	-20.2%	NM	25	77,563	97,505	NM	4	1,072	1,078
New Jersey	1,653	3,968	-58.3%	--	--	1,653	3,968	--	--	--	--
New York	3,664	8,930	-59.0%	NM	25	3,382	8,598	--	1	269	306
Pennsylvania	73,333	85,714	-14.4%	--	--	72,529	84,939	NM	3	803	772
East North Central	285,289	339,228	-15.9%	206,372	244,109	76,094	91,935	269	368	2,552	2,816
Illinois	66,196	75,262	-12.0%	9,047	9,395	55,669	64,290	30	34	1,451	1,542
Indiana	76,056	87,864	-13.4%	70,988	80,544	4,915	7,166	112	115	40	39
Michigan	43,979	50,227	-12.4%	43,454	49,547	276	266	112	201	136	212
Ohio	72,117	91,964	-21.6%	56,671	71,503	15,233	20,212	NM	1	211	248
Wisconsin	26,940	33,911	-20.6%	26,213	33,118	--	--	13	17	714	776
West North Central	177,815	195,050	-8.8%	174,914	192,158	--	--	189	235	2,712	2,656
Iowa	29,164	32,413	-10.0%	27,354	30,640	--	--	129	154	1,681	1,619
Kansas	23,139	26,217	-11.7%	23,139	26,217	--	--	--	--	--	--
Minnesota	18,555	24,158	-23.2%	17,865	23,463	--	--	6	5	684	689
Missouri	60,494	65,995	-8.3%	60,409	65,861	--	--	54	76	31	58
Nebraska	20,615	21,600	-4.6%	20,375	21,391	--	--	--	--	241	210
North Dakota	23,455	22,405	4.7%	23,379	22,325	--	--	--	--	75	80
South Dakota	2,393	2,262	5.8%	2,393	2,262	--	--	--	--	--	--
South Atlantic	223,191	283,685	-21.3%	184,942	238,275	36,250	42,941	40	64	1,959	2,404
Delaware	1,180	1,376	-14.2%	--	--	1,180	1,376	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	38,049	45,297	-16.0%	36,354	42,976	1,495	2,053	--	--	199	268
Georgia	36,017	53,295	-32.4%	35,596	52,701	--	--	--	--	422	594
Maryland	12,976	18,421	-29.6%	--	--	12,841	18,257	--	--	135	164
North Carolina	42,318	52,529	-19.4%	40,546	50,398	1,545	1,840	22	41	205	250
South Carolina	24,054	30,151	-20.2%	23,881	29,816	30	113	--	--	144	223
Virginia	11,872	17,933	-33.8%	10,378	15,545	966	1,820	NM	23	511	544
West Virginia	56,723	64,682	-12.3%	38,188	46,839	18,192	17,482	--	--	344	360
East South Central	140,553	172,404	-18.5%	137,091	169,144	2,180	1,952	16	19	1,266	1,289
Alabama	37,720	49,747	-24.2%	37,532	49,520	27	54	--	--	161	172
Kentucky	68,319	77,204	-11.5%	68,319	77,204	--	--	--	--	--	--
Mississippi	6,085	8,472	-28.2%	3,932	6,574	2,153	1,897	--	--	--	--
Tennessee	28,429	36,981	-23.1%	27,309	35,845	--	--	16	19	1,104	1,117
West South Central	180,685	209,792	-13.9%	99,826	113,481	80,440	95,868	--	--	419	443
Arkansas	23,719	24,858	-4.6%	20,012	21,325	3,632	3,449	--	--	76	84
Louisiana	17,284	20,394	-15.3%	8,668	9,719	8,609	10,657	--	--	NM	19
Oklahoma	24,796	29,127	-14.9%	23,099	27,168	1,366	1,624	--	--	331	335
Texas	114,885	135,414	-15.2%	48,048	55,269	66,833	80,139	--	--	NM	6
Mountain	157,771	164,417	-4.0%	143,896	149,577	12,832	13,690	--	--	1,042	1,150
Arizona	33,105	36,150	-8.4%	32,905	35,901	--	--	--	--	200	249
Colorado	28,689	28,455	0.8%	28,576	28,315	113	140	--	--	--	--
Idaho	63	62	1.1%	--	--	--	--	--	--	63	62
Montana	11,136	11,814	-5.7%	236	245	10,895	11,562	--	--	NM	7
Nevada	3,139	4,326	-27.4%	2,257	3,276	882	1,050	--	--	--	--
New Mexico	20,750	22,690	-8.5%	20,750	22,690	--	--	--	--	--	--
Utah	25,397	27,828	-8.7%	24,653	27,043	339	343	--	--	405	441
Wyoming	35,491	33,093	7.2%	34,519	32,107	604	595	--	--	369	391
Pacific Contiguous	5,708	7,752	-26.4%	1,906	2,546	3,459	4,873	--	--	343	333
California	1,392	1,709	-18.6%	--	--	1,077	1,396	--	--	315	313
Oregon	1,906	2,546	-25.1%	1,906	2,546	--	--	--	--	--	--
Washington	2,410	3,497	-31.1%	--	--	2,382	3,477	--	--	28	20
Pacific Noncontiguous	1,795	1,791	0.2%	178	141	1,417	1,398	168	218	31	34
Alaska	517	532	-2.8%	178	141	171	173	168	218	--	--
Hawaii	1,278	1,260	1.4%	--	--	1,246	1,226	--	--	31	34
U.S. Total	1,253,981	1,479,039	-15.2%	950,035	1,111,364	291,826	354,518	684	909	11,435	12,248

* = 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.A. Net Generation from Petroleum Liquids by State, by Sector, October 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	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	25	24	2.9%	2	3	11	6	6	3	6	12
Connecticut	8	2	440.7%	NM	NM	8	1	--	--	NM	*
Maine	6	15	-59.4%	NM	*	1	4	NM	*	5	11
Massachusetts	8	5	45.6%	NM	1	3	1	4	3	NM	*
New Hampshire	NM	1	NM	NM	1	NM	*	NM	*	NM	*
Rhode Island	1	*	196.8%	1	*	NM	*	NM	NM	--	--
Vermont	NM	1	NM	NM	*	--	--	NM	*	--	--
Middle Atlantic	58	53	8.0%	23	15	28	30	NM	1	5	7
New Jersey	3	1	422.4%	NM	*	3	1	NM	*	NM	*
New York	40	30	36.7%	23	15	12	7	NM	1	5	7
Pennsylvania	14	23	-38.4%	NM	*	14	23	*	*	NM	*
East North Central	56	49	13.3%	46	37	8	11	NM	*	2	1
Illinois	6	8	-15.6%	2	2	4	5	NM	*	NM	*
Indiana	11	12	-15.3%	9	12	NM	*	NM	*	1	1
Michigan	14	12	19.7%	13	11	*	--	NM	*	1	*
Ohio	22	18	24.8%	18	12	3	5	NM	*	*	*
Wisconsin	3	*	-2,106.3%	3	*	*	--	NM	*	NM	*
West North Central	22	22	-2.2%	21	22	NM	*	NM	*	NM	*
Iowa	9	5	76.5%	9	5	NM	*	NM	*	NM	*
Kansas	2	4	-42.2%	2	4	--	--	--	--	--	--
Minnesota	2	1	346.8%	2	*	NM	*	NM	*	NM	*
Missouri	3	7	-51.5%	3	7	--	--	NM	*	--	--
Nebraska	1	2	-51.8%	1	2	--	--	--	--	--	--
North Dakota	3	2	31.9%	3	2	--	--	NM	*	NM	*
South Dakota	NM	1	NM	NM	1	NM	*	NM	*	--	--
South Atlantic	116	113	3.0%	88	91	21	7	NM	*	7	15
Delaware	1	*	383.9%	NM	*	1	*	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	53	47	12.0%	51	43	1	*	--	--	NM	4
Georgia	4	9	-52.4%	2	5	NM	*	NM	*	3	4
Maryland	8	7	1.8%	1	*	6	7	NM	*	NM	*
North Carolina	15	8	80.1%	13	6	NM	*	NM	*	NM	2
South Carolina	3	4	-28.4%	3	4	--	--	NM	*	1	*
Virginia	21	22	-5.5%	8	19	11	-1	*	*	2	4
West Virginia	11	14	-18.5%	11	14	--	--	--	--	--	--
East South Central	36	28	31.7%	32	25	*	*	--	--	4	2
Alabama	8	6	21.6%	4	5	*	*	--	--	3	1
Kentucky	11	10	8.7%	11	10	--	--	--	--	--	--
Mississippi	1	1	-14.5%	1	1	--	--	--	--	*	1
Tennessee	17	10	66.9%	16	10	--	--	--	--	NM	*
West South Central	11	20	-43.6%	5	9	5	9	NM	*	NM	1
Arkansas	3	3	-6.3%	1	2	2	*	--	--	NM	*
Louisiana	*	4	-88.0%	NM	1	*	3	--	--	*	1
Oklahoma	*	2	-72.1%	*	2	--	--	NM	*	--	--
Texas	7	11	-33.1%	4	4	3	6	NM	*	NM	*
Mountain	24	15	62.2%	22	14	2	1	NM	*	NM	*
Arizona	6	3	73.8%	5	3	--	--	NM	*	NM	*
Colorado	3	1	87.5%	3	1	*	--	--	*	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	1	1	146.8%	NM	*	1	*	--	--	--	--
Nevada	2	1	42.2%	1	1	*	*	--	--	--	--
New Mexico	5	2	140.5%	5	2	NM	*	--	--	--	--
Utah	4	2	153.5%	4	2	NM	*	--	--	--	--
Wyoming	4	5	-23.9%	4	5	--	--	--	--	NM	*
Pacific Contiguous	8	5	53.4%	3	3	4	*	NM	*	NM	2
California	6	3	87.9%	3	3	3	*	NM	*	NM	*
Oregon	NM	*	NM	*	*	--	--	NM	*	--	--
Washington	2	2	7.6%	NM	*	1	*	NM	*	NM	2
Pacific Noncontiguous	776	785	-1.2%	610	618	138	149	NM	*	27	18
Alaska	85	105	-18.7%	80	99	--	--	NM	*	5	5
Hawaii	690	680	1.5%	530	518	138	149	*	*	22	13
U.S. Total	1,132	1,114	1.6%	853	837	218	213	8	6	53	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 *.)
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 October 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	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	363	602	-39.7%	51	108	223	364	49	49	40	81
Connecticut	103	159	-34.9%	4	5	96	150	--	--	NM	4
Maine	89	168	-46.7%	NM	1	49	88	NM	2	38	77
Massachusetts	123	185	-33.5%	15	36	76	124	32	25	NM	NM
New Hampshire	31	70	-55.0%	19	51	NM	1	13	18	NM	*
Rhode Island	12	13	-9.8%	10	10	NM	1	NM	2	--	--
Vermont	NM	7	NM	NM	6	--	--	NM	2	--	--
Middle Atlantic	755	1,361	-44.5%	325	469	357	797	10	11	63	83
New Jersey	32	105	-70.0%	NM	4	28	99	NM	1	NM	1
New York	522	877	-40.4%	322	465	134	323	9	9	57	79
Pennsylvania	201	379	-47.0%	NM	*	195	375	1	1	4	2
East North Central	518	661	-21.7%	428	550	72	90	3	5	15	16
Illinois	56	68	-17.8%	19	21	37	47	NM	*	NM	*
Indiana	101	141	-28.2%	91	128	NM	*	NM	2	10	11
Michigan	127	163	-22.2%	122	158	*	*	2	3	3	2
Ohio	201	260	-22.7%	167	218	32	40	NM	*	2	1
Wisconsin	32	28	13.6%	29	24	2	3	NM	*	NM	1
West North Central	250	244	2.3%	240	237	5	2	NM	1	NM	3
Iowa	74	56	31.2%	73	55	1	1	NM	*	NM	*
Kansas	26	33	-20.9%	26	33	--	--	--	--	--	--
Minnesota	29	18	62.8%	22	15	4	1	NM	1	NM	1
Missouri	66	69	-5.2%	66	68	--	--	NM	*	--	1
Nebraska	18	32	-42.1%	18	32	--	--	--	--	--	--
North Dakota	29	32	-7.7%	28	30	--	--	NM	*	NM	1
South Dakota	8	5	70.8%	7	4	NM	*	NM	*	--	--
South Atlantic	1,615	2,687	-39.9%	1,278	2,087	235	443	3	3	99	154
Delaware	21	35	-41.1%	NM	1	20	34	--	--	--	--
District of Columbia	9	130	-92.8%	--	--	9	130	--	--	--	--
Florida	694	1,306	-46.9%	658	1,262	19	10	--	--	16	34
Georgia	85	110	-23.3%	47	53	NM	4	1	1	35	52
Maryland	105	197	-46.4%	8	6	91	187	NM	*	7	3
North Carolina	161	191	-15.5%	145	163	NM	3	NM	*	13	25
South Carolina	89	88	0.8%	81	79	--	--	NM	*	7	9
Virginia	332	468	-29.0%	219	370	91	66	1	1	22	31
West Virginia	119	163	-27.3%	118	153	1	10	--	--	--	--
East South Central	329	419	-21.4%	298	392	1	5	--	--	29	22
Alabama	85	101	-15.8%	59	79	1	5	--	--	24	17
Kentucky	102	112	-8.9%	102	112	--	--	--	--	--	--
Mississippi	16	33	-53.0%	12	30	--	--	--	--	3	3
Tennessee	127	173	-26.6%	125	171	--	--	--	--	NM	2
West South Central	140	220	-36.3%	52	119	79	91	NM	2	9	10
Arkansas	25	45	-45.7%	12	25	11	18	--	--	NM	2
Louisiana	27	41	-34.5%	8	22	13	14	--	--	5	5
Oklahoma	9	13	-28.6%	9	12	--	--	NM	*	--	--
Texas	80	122	-34.1%	23	60	54	58	NM	1	NM	2
Mountain	196	208	-5.5%	176	188	19	19	NM	*	NM	1
Arizona	36	46	-21.3%	35	45	--	--	NM	*	NM	1
Colorado	15	18	-20.3%	15	18	*	--	--	*	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	13	15	-14.4%	NM	2	12	13	--	--	--	--
Nevada	16	12	39.9%	11	8	5	4	--	--	--	--
New Mexico	38	31	22.6%	36	29	NM	2	--	--	--	--
Utah	37	41	-9.0%	37	41	NM	*	--	--	--	--
Wyoming	41	45	-8.7%	41	45	--	--	--	--	NM	*
Pacific Contiguous	72	80	-9.6%	40	43	18	15	NM	1	14	21
California	44	40	7.5%	29	32	12	6	NM	*	2	2
Oregon	5	7	-29.8%	5	6	--	--	NM	*	--	1
Washington	23	32	-26.7%	5	5	6	9	NM	*	12	17
Pacific Noncontiguous	7,022	7,345	-4.4%	5,653	5,793	1,200	1,385	NM	3	166	164
Alaska	855	752	13.7%	814	711	--	--	NM	2	39	39
Hawaii	6,167	6,593	-6.5%	4,839	5,083	1,200	1,385	1	1	127	124
U.S. Total	11,260	13,826	-18.6%	8,541	9,987	2,208	3,212	72	74	439	553

* = 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, October 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	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	9	NM	--	--	--	NM	--	--	NM	8
New Jersey	--	4	-100.0%	--	--	--	--	--	--	--	4
New York	--	NM	NM	--	--	--	NM	--	--	--	--
Pennsylvania	NM	4	NM	--	--	--	--	--	--	NM	4
East North Central	124	162	-23.4%	*	45	105	95	--	--	19	23
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	37	-100.0%	--	37	--	--	--	--	--	--
Michigan	NM	9	NM	--	--	5	*	--	--	NM	8
Ohio	99	94	5.3%	--	--	99	94	--	--	--	*
Wisconsin	16	22	-29.7%	*	8	--	--	--	--	15	14
West North Central	1	*	147.7%	--	*	--	--	1	--	--	--
Iowa	1	*	156.6%	--	*	--	--	1	--	--	--
Kansas	--	*	-100.0%	--	*	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	24	186	-87.2%	--	150	--	--	--	--	24	36
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	150	-100.0%	--	150	--	--	--	--	--	--
Georgia	24	36	-33.3%	--	--	--	--	--	--	24	36
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	110	132	-16.7%	110	132	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	110	132	-16.7%	110	132	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	414	365	13.6%	298	291	--	36	--	--	116	38
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	318	324	-1.9%	298	291	--	--	--	--	NM	33
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	96	41	136.2%	--	--	--	36	--	--	96	5
Mountain	44	22	100.2%	--	--	44	22	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	44	22	100.2%	--	--	44	22	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	71	NM	--	--	NM	71	--	--	--	--
California	NM	71	NM	--	--	NM	71	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	729	948	-23.1%	409	618	155	225	1	--	164	104

* = 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.B. Net Generation from Petroleum Coke
by State, by Sector, Year-to-Date through October 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	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	325	NM	--	--	--	260	--	--	NM	64
New Jersey	--	51	-100.0%	--	--	--	--	--	--	--	51
New York	--	260	-100.0%	--	--	--	260	--	--	--	--
Pennsylvania	NM	14	NM	--	--	--	--	--	--	NM	14
East North Central	1,999	2,610	-23.4%	886	1,392	884	951	--	--	228	267
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	831	1,092	-23.9%	831	1,092	--	--	--	--	--	--
Michigan	105	144	-26.6%	--	--	60	54	--	--	NM	89
Ohio	826	897	-7.9%	--	--	824	897	--	--	NM	*
Wisconsin	236	477	-50.5%	55	300	--	--	--	--	182	177
West North Central	16	90	-82.0%	12	88	--	--	4	2	--	--
Iowa	16	71	-77.1%	12	69	--	--	4	2	--	--
Kansas	*	19	-100.3%	*	19	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	866	2,081	-58.4%	606	1,725	--	--	--	--	260	355
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	606	1,725	-64.9%	606	1,725	--	--	--	--	--	--
Georgia	260	355	-26.8%	--	--	--	--	--	--	260	355
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	1,155	1,415	-18.4%	1,155	1,415	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	1,155	1,415	-18.4%	1,155	1,415	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	3,402	4,750	-28.4%	2,133	3,742	55	656	--	--	1,214	353
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	2,307	3,987	-42.1%	2,133	3,742	--	--	--	--	174	245
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	1,095	763	43.5%	--	--	55	656	--	--	1,040	107
Mountain	370	359	2.9%	--	--	370	359	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	370	359	2.9%	--	--	370	359	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	251	757	-66.9%	--	--	251	757	--	--	--	--
California	251	757	-66.9%	--	--	251	757	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	8,104	12,388	-34.6%	4,792	8,362	1,560	2,984	4	2	1,747	1,039

* = 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 1.10.A. Net Generation from Natural Gas
by State, by Sector, October 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	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	5,463	5,446	0.3%	18	56	5,195	5,153	45	49	205	188
Connecticut	1,543	1,390	11.0%	NM	NM	1,504	1,348	NM	19	NM	19
Maine	489	542	-9.8%	--	--	318	389	NM	*	172	154
Massachusetts	2,090	2,411	-13.3%	14	31	2,039	2,340	25	26	NM	14
New Hampshire	598	389	53.7%	*	21	596	366	--	--	NM	2
Rhode Island	742	713	4.1%	--	--	738	709	NM	NM	--	--
Vermont	*	*	-63.1%	*	*	--	--	--	--	--	--
Middle Atlantic	10,712	9,444	13.4%	1,142	943	9,391	8,331	63	60	117	109
New Jersey	2,050	2,056	-0.3%	--	--	2,001	2,008	NM	10	40	39
New York	4,804	4,224	13.7%	1,142	943	3,593	3,216	49	47	20	19
Pennsylvania	3,858	3,164	22.0%	NM	*	3,797	3,107	NM	4	57	52
East North Central	4,417	3,092	42.8%	1,487	1,229	2,697	1,706	110	76	123	80
Illinois	340	212	60.6%	NM	18	272	152	35	25	32	17
Indiana	1,054	500	110.9%	813	330	188	120	NM	5	48	44
Michigan	1,020	753	35.4%	78	183	870	537	48	25	24	9
Ohio	1,683	1,173	43.5%	456	465	1,207	688	NM	15	NM	4
Wisconsin	320	455	-29.6%	138	234	160	208	NM	6	13	7
West North Central	655	503	30.1%	501	438	115	40	22	15	17	10
Iowa	56	14	286.8%	54	14	--	*	NM	1	1	*
Kansas	NM	85	NM	NM	85	--	--	--	--	--	*
Minnesota	240	173	38.8%	142	123	75	39	NM	5	NM	6
Missouri	206	213	-3.1%	158	202	40	2	8	9	NM	*
Nebraska	10	9	17.6%	6	6	--	--	NM	*	NM	3
North Dakota	NM	1	NM	*	*	--	--	--	--	NM	1
South Dakota	NM	9	NM	NM	9	--	--	--	--	--	--
South Atlantic	20,760	17,694	17.3%	16,763	14,023	3,695	3,407	NM	7	286	256
Delaware	538	466	15.3%	NM	2	502	404	--	--	34	61
District of Columbia	NM	6	NM	NM	6	--	--	--	--	--	--
Florida	12,461	10,950	13.8%	11,607	10,195	730	632	NM	2	123	120
Georgia	3,285	2,560	28.3%	2,061	1,317	1,135	1,192	--	--	89	51
Maryland	250	62	302.5%	--	--	226	46	NM	5	NM	11
North Carolina	1,230	829	48.3%	1,005	606	219	218	*	*	NM	5
South Carolina	1,338	1,150	16.3%	1,275	1,111	NM	37	--	--	NM	3
Virginia	1,636	1,671	-2.1%	803	787	812	877	--	--	NM	7
West Virginia	17	*	4,972.1%	4	-1	12	1	--	--	NM	*
East South Central	6,512	6,281	3.7%	3,992	3,475	2,377	2,701	NM	10	132	95
Alabama	3,371	3,709	-9.1%	1,137	1,009	2,152	2,647	--	--	81	53
Kentucky	93	80	16.8%	72	66	NM	1	--	--	NM	12
Mississippi	2,477	2,226	11.2%	2,222	2,145	221	53	NM	2	NM	26
Tennessee	572	266	115.5%	561	254	--	--	NM	8	NM	4
West South Central	22,919	20,805	10.2%	5,992	5,663	11,752	10,544	44	41	5,131	4,557
Arkansas	1,262	891	41.6%	104	55	1,138	818	NM	*	NM	17
Louisiana	4,600	3,853	19.4%	1,705	1,565	735	428	NM	3	2,157	1,857
Oklahoma	2,104	1,985	6.0%	1,631	1,504	462	473	NM	1	NM	6
Texas	14,953	14,076	6.2%	2,552	2,538	9,417	8,825	38	37	2,946	2,676
Mountain	6,652	5,959	11.6%	3,882	3,937	2,653	1,938	17	16	100	68
Arizona	2,605	2,223	17.2%	1,194	1,058	1,405	1,159	NM	6	NM	--
Colorado	517	715	-27.8%	206	650	309	64	--	*	NM	1
Idaho	213	74	188.2%	27	6	184	64	--	--	NM	3
Montana	NM	13	NM	NM	13	NM	*	--	--	--	--
Nevada	2,215	1,871	18.4%	1,678	1,431	500	421	NM	5	33	14
New Mexico	681	590	15.4%	478	367	187	214	NM	5	10	3
Utah	375	437	-14.2%	291	409	69	15	NM	*	15	14
Wyoming	39	35	13.0%	NM	2	NM	1	--	--	37	32
Pacific Contiguous	13,734	9,276	48.1%	4,444	3,139	8,169	4,925	142	162	979	1,050
California	11,347	7,983	42.1%	3,164	2,573	7,083	4,216	137	158	964	1,037
Oregon	1,518	923	64.3%	588	267	916	644	NM	4	NM	9
Washington	869	370	135.2%	692	299	171	65	NM	*	6	5
Pacific Noncontiguous	317	319	-0.9%	309	315	--	--	NM	*	NM	5
Alaska	317	319	-0.9%	309	315	--	--	NM	*	NM	5
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	92,141	78,819	16.9%	38,530	33,218	46,044	38,745	471	438	7,096	6,419

* = 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 1.10.B. Net Generation from Natural Gas
by State, by Sector, Year-to-Date through October 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	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	54,145	53,039	2.1%	330	323	51,017	50,157	572	580	2,226	1,979
Connecticut	13,571	12,534	8.3%	NM	NM	13,119	12,144	176	174	241	189
Maine	5,398	5,642	-4.3%	--	--	3,610	3,986	NM	*	1,788	1,655
Massachusetts	21,648	22,400	-3.4%	238	220	20,887	21,698	349	368	174	114
New Hampshire	6,248	5,400	15.7%	55	72	6,170	5,307	--	--	23	21
Rhode Island	7,277	7,060	3.1%	--	--	7,230	7,022	47	38	--	--
Vermont	2	3	-31.1%	2	3	--	--	--	--	--	--
Middle Atlantic	120,912	98,455	22.8%	12,046	11,253	106,933	85,460	665	542	1,267	1,201
New Jersey	24,492	20,980	16.7%	--	--	23,950	20,472	109	101	433	408
New York	51,268	42,971	19.3%	12,038	11,248	38,526	31,118	491	398	213	206
Pennsylvania	45,152	34,503	30.9%	NM	4	44,457	33,870	65	43	621	587
East North Central	74,011	39,223	88.7%	26,547	13,606	45,125	23,793	1,023	809	1,316	1,015
Illinois	10,551	5,525	91.0%	1,521	992	8,305	3,826	334	338	391	370
Indiana	12,926	7,926	63.1%	10,260	5,684	2,138	1,814	48	39	479	389
Michigan	20,691	10,661	94.1%	4,293	2,121	15,813	8,213	374	203	211	123
Ohio	19,382	10,001	93.8%	5,107	2,472	14,050	7,311	163	163	62	54
Wisconsin	10,461	5,111	104.7%	5,366	2,336	4,818	2,629	104	66	173	80
West North Central	17,793	11,109	60.2%	14,831	9,451	2,562	1,422	236	144	164	93
Iowa	1,756	963	82.3%	1,733	953	NM	*	NM	6	NM	3
Kansas	2,922	2,397	21.9%	2,901	2,396	--	--	--	--	NM	1
Minnesota	6,191	2,995	106.7%	4,965	2,262	1,021	588	131	92	74	53
Missouri	5,770	4,194	37.6%	4,137	3,317	1,540	835	91	42	NM	1
Nebraska	842	413	104.2%	806	393	--	--	NM	3	33	16
North Dakota	NM	18	NM	NM	*	--	--	--	--	NM	18
South Dakota	290	129	124.0%	290	129	--	--	--	--	--	--
South Atlantic	225,938	180,500	25.2%	174,837	142,540	48,134	35,890	194	196	2,773	1,874
Delaware	6,123	3,720	64.6%	NM	14	5,655	3,587	--	--	444	119
District of Columbia	NM	60	NM	NM	60	--	--	--	--	--	--
Florida	128,727	116,515	10.5%	116,982	106,583	10,477	8,792	NM	25	1,233	1,115
Georgia	36,050	22,747	58.5%	20,871	11,127	14,540	11,210	--	--	639	409
Maryland	4,510	2,180	106.9%	--	--	4,223	1,922	151	171	136	87
North Carolina	16,816	8,969	87.5%	13,942	6,810	2,783	2,110	5	*	86	49
South Carolina	11,748	10,782	9.0%	10,329	9,524	1,375	1,244	NM	--	41	15
Virginia	21,675	15,283	41.8%	12,587	8,392	8,901	6,816	--	--	186	76
West Virginia	219	243	-10.0%	32	29	179	208	--	--	NM	6
East South Central	90,600	68,181	32.9%	46,982	35,477	42,196	31,385	117	107	1,304	1,212
Alabama	47,553	38,689	22.9%	12,090	11,496	34,675	26,529	--	--	787	663
Kentucky	2,782	1,432	94.3%	2,266	1,072	333	142	--	--	182	218
Mississippi	33,517	25,326	32.3%	26,010	20,326	7,189	4,714	NM	20	298	266
Tennessee	6,748	2,734	146.8%	6,615	2,583	--	--	97	86	36	64
West South Central	289,073	258,688	11.7%	79,937	72,646	157,512	136,047	495	457	51,129	49,537
Arkansas	15,569	11,436	36.1%	2,592	2,220	12,801	9,046	NM	*	174	170
Louisiana	50,666	46,409	9.2%	20,025	19,607	10,798	6,819	NM	40	19,803	19,943
Oklahoma	35,663	29,104	22.5%	24,193	21,240	11,354	7,768	NM	21	86	76
Texas	187,175	171,738	9.0%	33,127	29,579	122,558	112,415	424	396	31,066	29,348
Mountain	74,834	60,279	24.1%	43,704	36,789	29,986	22,611	175	172	969	708
Arizona	28,253	20,533	37.6%	12,871	8,544	15,318	11,931	56	54	NM	3
Colorado	9,416	8,343	12.9%	5,108	7,013	4,289	1,316	4	4	16	10
Idaho	1,703	689	147.0%	558	99	1,116	554	--	--	28	37
Montana	154	310	-50.3%	131	301	NM	9	--	--	--	--
Nevada	21,757	18,607	16.9%	15,861	12,981	5,593	5,432	50	51	253	143
New Mexico	7,626	7,103	7.4%	4,475	4,072	3,015	2,932	63	63	72	36
Utah	5,465	4,324	26.4%	4,651	3,753	615	432	NM	*	196	139
Wyoming	461	371	24.2%	NM	24	NM	6	--	--	396	340
Pacific Contiguous	116,370	79,461	46.4%	37,123	24,899	67,427	42,945	1,463	1,542	10,357	10,074
California	101,928	70,853	43.9%	29,946	20,970	60,344	38,407	1,410	1,513	10,229	9,962
Oregon	9,664	5,481	76.3%	3,400	1,678	6,142	3,712	39	25	82	66
Washington	4,777	3,126	52.8%	3,777	2,251	941	826	NM	4	47	46
Pacific Noncontiguous	3,224	3,192	1.0%	3,162	3,142	--	--	NM	2	58	47
Alaska	3,224	3,192	1.0%	3,162	3,142	--	--	NM	2	58	47
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	1,066,899	852,126	25.2%	439,499	350,125	550,891	429,710	4,945	4,551	71,564	67,740

* = 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, October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	44	64	-31.7%	--	--	--	4	--	*	44	61
New Jersey	NM	11	NM	--	--	--	--	--	*	NM	11
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	36	54	-31.9%	--	--	--	4	--	--	36	50
East North Central	207	254	-18.6%	--	--	30	36	--	--	177	219
Illinois	NM	12	NM	--	--	2	--	--	--	NM	12
Indiana	149	191	-22.0%	--	--	--	--	--	--	149	191
Michigan	28	24	14.1%	--	--	28	24	--	--	--	--
Ohio	NM	26	NM	--	--	--	11	--	--	NM	15
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	NM	7	NM	--	--	--	--	--	--	NM	7
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	NM	7	NM	--	--	--	--	--	--	NM	7
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	28	50	-44.2%	--	--	--	--	--	--	28	50
Delaware	13	18	-27.2%	--	--	--	--	--	--	13	18
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	*	1	-37.2%	--	--	--	--	--	--	*	1
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	NM	29	NM	--	--	--	--	--	--	NM	29
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	3	2	23.8%	--	--	--	--	--	--	3	2
East South Central	6	28	-78.2%	--	--	--	--	--	--	6	28
Alabama	5	27	-81.4%	--	--	--	--	--	--	5	27
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	1	1	19.4%	--	--	--	--	--	--	1	1
West South Central	341	350	-2.7%	--	--	142	170	--	--	199	180
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	133	91	46.9%	--	--	22	24	--	--	111	67
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	208	260	-20.0%	--	--	120	147	--	--	88	113
Mountain	23	23	-1.0%	--	--	1	*	--	--	23	23
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	*	*	-27.8%	--	--	*	*	--	--	--	--
Nevada	1	*	62.2%	--	--	1	*	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	NM	3	NM	--	--	--	--	--	--	NM	3
Wyoming	20	21	-3.0%	--	--	--	--	--	--	20	21
Pacific Contiguous	166	160	3.7%	NM	1	33	29	--	--	132	130
California	133	131	1.4%	NM	1	--	--	--	--	132	130
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	33	29	14.0%	--	--	33	29	--	--	--	--
Pacific Noncontiguous	NM	3	NM	--	--	--	--	--	--	NM	3
Alaska	NM	*	NM	--	--	--	--	--	--	NM	*
Hawaii	NM	3	NM	--	--	--	--	--	--	NM	3
U.S. Total	820	941	-12.8%	NM	1	206	239	--	*	614	700

* = 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 October 2012 and 2011 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	665	610	9.1%	--	--	43	33	NM	3	619	574
New Jersey	130	114	14.8%	--	--	--	--	NM	3	127	111
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	535	496	7.8%	--	--	43	33	--	--	492	463
East North Central	2,667	2,567	3.9%	--	--	315	339	--	--	2,352	2,228
Illinois	271	257	5.4%	--	--	7	*	--	--	264	257
Indiana	1,914	1,809	5.8%	--	--	--	--	--	--	1,914	1,809
Michigan	277	242	14.3%	--	--	277	242	--	--	--	--
Ohio	206	259	-20.5%	--	--	31	96	--	--	175	163
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	35	35	0.2%	--	--	--	--	--	--	35	35
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	35	35	0.2%	--	--	--	--	--	--	35	35
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	438	331	32.4%	--	--	--	--	--	--	438	331
Delaware	229	169	35.6%	--	--	--	--	--	--	229	169
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	6	5	5.3%	--	--	--	--	--	--	6	5
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	177	132	34.9%	--	--	--	--	--	--	177	132
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	26	25	4.0%	--	--	--	--	--	--	26	25
East South Central	198	251	-21.1%	--	--	--	--	--	--	198	251
Alabama	186	237	-21.7%	--	--	--	--	--	--	186	237
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	12	14	-12.1%	--	--	--	--	--	--	12	14
West South Central	3,569	3,946	-9.6%	--	--	1,597	1,824	--	--	1,972	2,121
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,024	1,108	-7.6%	--	--	225	210	--	--	800	898
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	2,545	2,838	-10.3%	--	--	1,372	1,614	--	--	1,173	1,223
Mountain	261	244	7.1%	--	--	6	6	--	--	255	238
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	*	*	-22.3%	--	--	*	*	--	--	--	--
Nevada	6	6	1.9%	--	--	6	6	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	24	26	-6.1%	--	--	--	--	--	--	24	26
Wyoming	230	211	8.9%	--	--	--	--	--	--	230	211
Pacific Contiguous	1,731	1,603	8.0%	NM	22	341	240	--	--	1,381	1,341
California	1,390	1,363	2.0%	NM	22	--	--	--	--	1,381	1,341
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	341	240	42.0%	--	--	341	240	--	--	--	--
Pacific Noncontiguous	30	32	-6.8%	--	--	--	--	--	--	30	32
Alaska	NM	2	NM	--	--	--	--	--	--	NM	2
Hawaii	27	30	-7.5%	--	--	--	--	--	--	27	30
U.S. Total	9,595	9,618	-0.2%	NM	22	2,303	2,443	NM	3	7,280	7,151

* = 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, October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	1,976	1,687	17.1%	--	--	1,976	1,687	--	--	--	--
Connecticut	1,016	859	18.3%	--	--	1,016	859	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	505	503	0.4%	--	--	505	503	--	--	--	--
New Hampshire	17	231	-92.5%	--	--	17	231	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	438	95	363.1%	--	--	438	95	--	--	--	--
Middle Atlantic	11,015	13,399	-17.8%	--	--	11,015	13,399	--	--	--	--
New Jersey	2,365	2,838	-16.7%	--	--	2,365	2,838	--	--	--	--
New York	3,342	3,846	-13.1%	--	--	3,342	3,846	--	--	--	--
Pennsylvania	5,308	6,715	-21.0%	--	--	5,308	6,715	--	--	--	--
East North Central	13,545	11,616	16.6%	2,113	1,747	11,432	9,870	--	--	--	--
Illinois	7,923	8,042	-1.5%	--	--	7,923	8,042	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	2,712	2,305	17.7%	2,113	1,747	599	558	--	--	--	--
Ohio	1,605	372	331.7%	--	--	1,605	372	--	--	--	--
Wisconsin	1,304	898	45.2%	--	--	1,304	898	--	--	--	--
West North Central	3,193	3,261	-2.1%	3,136	2,807	57	454	--	--	--	--
Iowa	57	454	-87.4%	--	--	57	454	--	--	--	--
Kansas	900	896	0.4%	900	896	--	--	--	--	--	--
Minnesota	1,104	915	20.6%	1,104	915	--	--	--	--	--	--
Missouri	912	405	125.1%	912	405	--	--	--	--	--	--
Nebraska	220	590	-62.8%	220	590	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	15,050	14,888	1.1%	13,749	13,610	1,302	1,278	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,513	1,852	-18.3%	1,513	1,852	--	--	--	--	--	--
Georgia	2,514	2,452	2.5%	2,514	2,452	--	--	--	--	--	--
Maryland	1,302	1,278	1.9%	--	--	1,302	1,278	--	--	--	--
North Carolina	2,961	3,354	-11.7%	2,961	3,354	--	--	--	--	--	--
South Carolina	4,381	4,669	-6.2%	4,381	4,669	--	--	--	--	--	--
Virginia	2,380	1,283	85.5%	2,380	1,283	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	5,784	6,479	-10.7%	5,784	6,479	--	--	--	--	--	--
Alabama	3,467	3,264	6.2%	3,467	3,264	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	1,078	887	21.5%	1,078	887	--	--	--	--	--	--
Tennessee	1,239	2,328	-46.8%	1,239	2,328	--	--	--	--	--	--
West South Central	4,966	5,719	-13.2%	2,292	2,628	2,674	3,091	--	--	--	--
Arkansas	1,128	1,015	11.1%	1,128	1,015	--	--	--	--	--	--
Louisiana	1,164	1,612	-27.8%	1,164	1,612	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	2,674	3,091	-13.5%	--	--	2,674	3,091	--	--	--	--
Mountain	1,861	2,124	-12.4%	1,861	2,124	--	--	--	--	--	--
Arizona	1,861	2,124	-12.4%	1,861	2,124	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	2,354	4,164	-43.5%	2,354	4,164	--	--	--	--	--	--
California	1,521	3,359	-54.7%	1,521	3,359	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	833	805	3.5%	833	805	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	59,743	63,337	-5.7%	31,289	33,558	28,455	29,779	--	--	--	--

* = 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 October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	29,843	28,595	4.4%	--	--	29,843	28,595	--	--	--	--
Connecticut	14,485	13,533	7.0%	--	--	14,485	13,533	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	4,869	4,290	13.5%	--	--	4,869	4,290	--	--	--	--
New Hampshire	6,385	6,727	-5.1%	--	--	6,385	6,727	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	4,105	4,046	1.5%	--	--	4,105	4,046	--	--	--	--
Middle Atlantic	124,583	125,813	-1.0%	--	--	124,583	125,813	--	--	--	--
New Jersey	28,283	28,095	0.7%	--	--	28,283	28,095	--	--	--	--
New York	34,145	35,269	-3.2%	--	--	34,145	35,269	--	--	--	--
Pennsylvania	62,155	62,450	-0.5%	--	--	62,155	62,450	--	--	--	--
East North Central	129,727	128,812	0.7%	19,611	21,611	110,116	107,201	--	--	--	--
Illinois	79,957	79,517	0.6%	--	--	79,957	79,517	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	23,667	27,111	-12.7%	19,611	21,611	4,056	5,499	--	--	--	--
Ohio	13,949	12,492	11.7%	--	--	13,949	12,492	--	--	--	--
Wisconsin	12,153	9,692	25.4%	--	--	12,153	9,692	--	--	--	--
West North Central	34,962	33,776	3.5%	30,982	29,460	3,980	4,316	--	--	--	--
Iowa	3,980	4,316	-7.8%	--	--	3,980	4,316	--	--	--	--
Kansas	6,518	5,559	17.3%	6,518	5,559	--	--	--	--	--	--
Minnesota	10,307	9,797	5.2%	10,307	9,797	--	--	--	--	--	--
Missouri	8,908	8,334	6.9%	8,908	8,334	--	--	--	--	--	--
Nebraska	5,248	5,771	-9.1%	5,248	5,771	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	154,205	155,043	-0.5%	143,119	143,235	11,086	11,807	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	14,453	18,345	-21.2%	14,453	18,345	--	--	--	--	--	--
Georgia	27,856	26,428	5.4%	27,856	26,428	--	--	--	--	--	--
Maryland	11,086	11,807	-6.1%	--	--	11,086	11,807	--	--	--	--
North Carolina	32,944	33,672	-2.2%	32,944	33,672	--	--	--	--	--	--
South Carolina	43,832	43,693	0.3%	43,832	43,693	--	--	--	--	--	--
Virginia	24,033	21,097	13.9%	24,033	21,097	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	61,743	62,734	-1.6%	61,743	62,734	--	--	--	--	--	--
Alabama	34,376	32,173	6.8%	34,376	32,173	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	5,629	8,719	-35.4%	5,629	8,719	--	--	--	--	--	--
Tennessee	21,738	21,842	-0.5%	21,738	21,842	--	--	--	--	--	--
West South Central	59,315	59,436	-0.2%	27,017	25,514	32,298	33,922	--	--	--	--
Arkansas	12,762	11,947	6.8%	12,762	11,947	--	--	--	--	--	--
Louisiana	14,255	13,567	5.1%	14,255	13,567	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	32,298	33,922	-4.8%	--	--	32,298	33,922	--	--	--	--
Mountain	26,526	26,389	0.5%	26,526	26,389	--	--	--	--	--	--
Arizona	26,526	26,389	0.5%	26,526	26,389	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	23,130	33,295	-30.5%	23,130	33,295	--	--	--	--	--	--
California	15,442	30,070	-48.6%	15,442	30,070	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	7,688	3,225	138.4%	7,688	3,225	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	644,035	653,893	-1.5%	332,129	342,239	311,906	311,654	--	--	--	--

* = 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.
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, October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	566	829	-31.7%	75	113	429	644	NM	1	61	71
Connecticut	NM	53	NM	NM	5	NM	48	--	--	--	--
Maine	277	349	-20.5%	--	--	218	281	--	--	59	68
Massachusetts	69	116	-40.3%	NM	28	52	86	NM	1	NM	1
New Hampshire	99	157	-37.1%	27	31	72	126	--	--	NM	*
Rhode Island	NM	1	NM	--	--	NM	1	--	--	--	--
Vermont	86	154	-43.9%	NM	49	56	102	--	--	NM	3
Middle Atlantic	1,853	2,671	-30.6%	1,447	2,084	401	580	NM	*	NM	6
New Jersey	NM	2	NM	--	--	NM	2	--	--	--	--
New York	1,709	2,322	-26.4%	1,393	1,887	312	428	NM	*	NM	6
Pennsylvania	141	347	-59.2%	54	197	88	150	--	--	--	--
East North Central	254	413	-38.6%	233	374	NM	21	NM	--	NM	18
Illinois	NM	9	NM	NM	3	NM	6	--	--	--	--
Indiana	44	47	-6.7%	44	47	--	--	--	--	--	--
Michigan	66	75	-12.5%	60	68	NM	5	--	--	NM	2
Ohio	34	46	-26.5%	34	46	--	--	--	--	--	--
Wisconsin	105	236	-55.6%	92	210	NM	9	NM	--	NM	17
West North Central	894	948	-5.7%	878	936	NM	7	--	--	NM	4
Iowa	NM	66	NM	NM	65	NM	1	--	--	--	--
Kansas	NM	1	NM	--	--	NM	1	--	--	--	--
Minnesota	NM	27	NM	NM	17	NM	6	--	--	NM	4
Missouri	16	22	-28.1%	16	22	--	--	--	--	--	--
Nebraska	80	116	-30.9%	80	116	--	--	--	--	--	--
North Dakota	180	228	-20.8%	180	228	--	--	--	--	--	--
South Dakota	535	488	9.5%	535	488	--	--	--	--	--	--
South Atlantic	838	1,001	-16.3%	693	618	118	357	NM	1	26	25
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	14	NM	NM	14	--	--	--	--	--	--
Georgia	198	191	3.9%	197	189	NM	1	--	--	NM	1
Maryland	87	300	-70.9%	--	--	87	300	--	--	--	--
North Carolina	306	242	26.4%	303	240	NM	1	NM	1	NM	*
South Carolina	102	98	3.7%	100	96	NM	3	--	*	--	--
Virginia	60	49	23.9%	56	45	NM	3	--	--	NM	*
West Virginia	73	106	-31.0%	NM	34	23	49	--	--	23	23
East South Central	1,399	1,149	21.8%	1,398	1,148	NM	*	--	--	--	--
Alabama	515	395	30.5%	515	395	--	--	--	--	--	--
Kentucky	196	133	47.2%	196	133	NM	*	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	687	620	10.8%	687	620	--	--	--	--	--	--
West South Central	191	196	-2.4%	167	147	24	48	--	--	--	--
Arkansas	83	119	-30.4%	80	117	NM	2	--	--	--	--
Louisiana	19	46	-57.8%	--	--	19	46	--	--	--	--
Oklahoma	48	15	227.3%	48	15	--	--	--	--	--	--
Texas	41	17	149.8%	39	15	NM	1	--	--	--	--
Mountain	1,771	2,323	-23.8%	1,497	2,004	274	319	--	--	--	--
Arizona	352	622	-43.4%	352	622	--	--	--	--	--	--
Colorado	146	224	-35.1%	137	206	NM	18	--	--	--	--
Idaho	556	614	-9.4%	516	574	40	39	--	--	--	--
Montana	522	665	-21.4%	300	406	222	259	--	--	--	--
Nevada	103	97	6.6%	101	94	NM	2	--	--	--	--
New Mexico	NM	11	NM	NM	11	--	--	--	--	--	--
Utah	60	68	-11.5%	59	67	NM	1	--	--	--	--
Wyoming	23	24	-4.3%	22	24	NM	*	--	--	--	--
Pacific Contiguous	8,310	10,169	-18.3%	8,187	9,996	122	173	NM	*	NM	*
California	1,829	2,277	-19.7%	1,734	2,137	94	140	NM	*	--	--
Oregon	2,100	2,619	-19.8%	2,083	2,599	NM	19	--	--	--	--
Washington	4,381	5,274	-16.9%	4,370	5,260	NM	14	--	--	NM	*
Pacific Noncontiguous	132	89	47.4%	129	88	*	*	--	--	NM	1
Alaska	128	88	45.5%	128	88	--	--	--	--	--	--
Hawaii	NM	1	NM	NM	*	*	*	--	--	NM	1
U.S. Total	16,207	19,787	-18.1%	14,704	17,509	1,393	2,150	NM	2	107	126

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	6,206	7,286	-14.8%	827	946	4,792	5,696	NM	4	584	639
Connecticut	395	477	-17.1%	NM	45	359	432	--	--	--	--
Maine	2,923	3,315	-11.8%	--	--	2,365	2,704	--	--	559	610
Massachusetts	806	902	-10.6%	195	220	603	672	NM	4	NM	5
New Hampshire	1,077	1,403	-23.3%	271	303	802	1,096	--	--	NM	4
Rhode Island	NM	6	NM	--	--	NM	6	--	--	--	--
Vermont	999	1,183	-15.5%	324	378	658	785	--	--	NM	20
Middle Atlantic	22,891	25,371	-9.8%	18,257	19,945	4,577	5,361	NM	4	NM	61
New Jersey	NM	20	NM	--	--	NM	20	--	--	--	--
New York	20,983	22,760	-7.8%	17,426	18,533	3,500	4,162	NM	4	NM	61
Pennsylvania	1,884	2,591	-27.3%	831	1,412	1,053	1,179	--	--	--	--
East North Central	3,612	3,826	-5.6%	3,267	3,433	193	234	NM	--	139	158
Illinois	84	118	-28.9%	NM	40	51	78	--	--	--	--
Indiana	381	356	7.2%	381	356	--	--	--	--	--	--
Michigan	1,115	1,143	-2.4%	1,016	1,036	77	82	--	--	NM	25
Ohio	314	339	-7.4%	314	339	--	--	--	--	--	--
Wisconsin	1,718	1,870	-8.2%	1,523	1,663	66	74	NM	--	117	134
West North Central	10,652	11,672	-8.7%	10,390	11,400	171	165	--	--	91	108
Iowa	687	786	-12.7%	680	779	NM	7	--	--	--	--
Kansas	NM	13	NM	--	--	NM	13	--	--	--	--
Minnesota	632	684	-7.7%	387	431	154	145	--	--	91	108
Missouri	680	1,072	-36.5%	680	1,072	--	--	--	--	--	--
Nebraska	1,273	1,374	-7.4%	1,273	1,374	--	--	--	--	--	--
North Dakota	2,133	2,124	0.4%	2,133	2,124	--	--	--	--	--	--
South Dakota	5,237	5,619	-6.8%	5,237	5,619	--	--	--	--	--	--
South Atlantic	9,613	11,097	-13.4%	7,353	8,118	1,762	2,491	NM	9	489	479
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	129	148	-12.9%	129	148	--	--	--	--	--	--
Georgia	1,964	2,316	-15.2%	1,943	2,293	NM	6	--	--	NM	16
Maryland	1,336	2,023	-34.0%	--	--	1,336	2,023	--	--	--	--
North Carolina	2,999	3,057	-1.9%	2,972	3,029	NM	19	NM	9	NM	1
South Carolina	1,192	1,363	-12.5%	1,161	1,325	NM	38	NM	*	--	--
Virginia	883	1,015	-13.0%	827	949	47	57	--	--	NM	9
West Virginia	1,110	1,175	-5.5%	321	373	325	349	--	--	465	452
East South Central	14,500	16,837	-13.9%	14,493	16,829	NM	8	--	--	--	--
Alabama	5,910	6,938	-14.8%	5,910	6,938	--	--	--	--	--	--
Kentucky	1,975	2,409	-18.0%	1,968	2,402	NM	8	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	6,615	7,489	-11.7%	6,615	7,489	--	--	--	--	--	--
West South Central	4,149	5,137	-19.2%	3,465	4,192	684	945	--	--	--	--
Arkansas	2,006	2,405	-16.6%	1,974	2,373	NM	32	--	--	--	--
Louisiana	625	875	-28.6%	--	--	625	875	--	--	--	--
Oklahoma	1,063	1,313	-19.0%	1,063	1,313	--	--	--	--	--	--
Texas	455	545	-16.5%	427	506	NM	39	--	--	--	--
Mountain	31,263	37,334	-16.3%	27,206	32,898	4,057	4,437	--	--	--	--
Arizona	5,772	7,805	-26.0%	5,772	7,805	--	--	--	--	--	--
Colorado	1,766	2,038	-13.3%	1,616	1,875	151	164	--	--	--	--
Idaho	10,255	12,281	-16.5%	9,424	11,395	832	886	--	--	--	--
Montana	9,374	10,875	-13.8%	6,353	7,548	3,021	3,327	--	--	--	--
Nevada	2,119	1,903	11.3%	2,083	1,863	NM	40	--	--	--	--
New Mexico	175	171	2.0%	175	171	--	--	--	--	--	--
Utah	963	1,081	-11.0%	953	1,070	NM	12	--	--	--	--
Wyoming	839	1,179	-28.9%	831	1,170	NM	9	--	--	--	--
Pacific Contiguous	130,302	155,267	-16.1%	128,669	152,548	1,625	2,712	NM	4	NM	3
California	22,580	38,822	-41.8%	21,389	36,588	1,186	2,230	NM	4	--	--
Oregon	32,945	36,568	-9.9%	32,709	36,313	236	254	--	--	--	--
Washington	74,777	79,877	-6.4%	74,571	79,646	203	228	--	--	NM	3
Pacific Noncontiguous	1,265	1,116	13.3%	1,204	1,074	23	14	--	--	NM	28
Alaska	1,188	1,063	11.8%	1,188	1,063	--	--	--	--	--	--
Hawaii	76	53	42.8%	NM	11	23	14	--	--	NM	28
U.S. Total	234,453	274,942	-14.7%	215,132	251,382	17,890	22,064	NM	22	1,396	1,475

* = 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.A. Net Generation from Other Renewable Sources by State, by Sector, October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	744	639	16.5%	44	57	511	434	11	9	178	139
Connecticut	54	59	-8.7%	--	--	54	59	--	--	--	--
Maine	431	332	30.1%	--	--	244	185	10	8	178	139
Massachusetts	113	109	3.9%	NM	8	106	100	NM	NM	--	--
New Hampshire	107	104	3.2%	32	33	75	71	--	--	NM	*
Rhode Island	11	12	-8.5%	--	--	11	12	--	--	--	--
Vermont	28	24	16.9%	6	17	22	7	NM	*	--	--
Middle Atlantic	985	840	17.3%	NM	2	869	747	42	43	70	48
New Jersey	108	87	25.2%	NM	2	80	63	23	22	NM	--
New York	452	425	6.4%	--	--	420	395	11	11	21	19
Pennsylvania	425	328	29.4%	--	--	369	289	8	10	48	29
East North Central	1,959	1,407	39.2%	167	99	1,632	1,150	29	19	132	138
Illinois	821	564	45.5%	NM	1	820	563	--	*	--	--
Indiana	353	275	28.5%	25	25	324	246	NM	2	NM	2
Michigan	317	257	23.7%	25	*	221	182	26	16	46	58
Ohio	177	67	164.2%	NM	1	146	40	--	--	30	26
Wisconsin	290	244	18.8%	114	72	121	118	NM	1	54	52
West North Central	3,818	3,292	16.0%	1,188	993	2,575	2,250	7	7	48	41
Iowa	1,368	1,114	22.9%	725	515	641	595	NM	2	*	1
Kansas	451	361	24.9%	40	100	410	260	--	--	--	--
Minnesota	915	875	4.5%	205	187	659	646	NM	3	47	39
Missouri	120	111	8.2%	NM	3	117	108	--	--	NM	*
Nebraska	118	102	15.4%	22	24	95	77	NM	1	--	--
North Dakota	553	476	16.3%	132	105	421	370	--	--	NM	1
South Dakota	294	253	15.9%	62	59	232	194	--	--	--	--
South Atlantic	1,369	1,344	1.8%	64	72	495	505	30	24	780	743
Delaware	9	9	0.5%	NM	*	9	9	NM	1	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	387	395	-2.0%	21	16	183	185	NM	3	179	191
Georgia	280	257	8.9%	--	--	12	12	NM	1	265	245
Maryland	74	75	-1.9%	NM	*	56	66	6	4	12	6
North Carolina	205	181	13.0%	NM	*	90	63	--	--	115	119
South Carolina	141	162	-12.8%	32	33	NM	2	--	--	108	127
Virginia	174	141	23.2%	11	23	44	47	17	16	102	56
West Virginia	98	123	-20.0%	--	--	98	123	--	--	--	--
East South Central	482	435	10.9%	8	7	19	20	--	--	455	407
Alabama	246	194	27.1%	NM	*	13	14	--	--	233	179
Kentucky	30	36	-18.5%	8	7	--	--	--	--	22	29
Mississippi	117	131	-11.1%	*	*	--	--	--	--	117	131
Tennessee	89	73	22.3%	--	--	6	6	--	--	83	67
West South Central	4,020	3,699	8.7%	177	92	3,412	3,145	4	4	427	458
Arkansas	136	131	4.0%	--	--	7	7	NM	*	129	123
Louisiana	198	224	-11.4%	--	--	6	7	--	--	192	217
Oklahoma	816	529	54.2%	151	56	640	443	--	--	25	31
Texas	2,871	2,816	1.9%	26	37	2,759	2,688	NM	3	82	88
Mountain	1,961	1,653	18.6%	236	220	1,685	1,391	6	5	35	37
Arizona	143	38	280.2%	14	7	128	30	NM	1	--	--
Colorado	470	521	-9.7%	6	6	462	512	NM	2	NM	*
Idaho	212	173	22.8%	12	--	165	136	--	--	34	37
Montana	119	113	5.4%	9	9	110	104	--	--	--	--
Nevada	310	186	66.1%	--	--	307	184	3	3	NM	*
New Mexico	229	177	29.7%	--	--	229	177	NM	*	--	--
Utah	76	71	7.2%	23	25	53	46	--	--	--	--
Wyoming	402	375	7.2%	172	173	230	202	--	--	--	--
Pacific Contiguous	3,684	3,163	16.5%	574	497	2,819	2,382	99	81	191	203
California	2,564	2,068	24.0%	174	133	2,233	1,789	97	80	61	66
Oregon	453	436	3.9%	76	94	343	313	NM	2	32	27
Washington	667	659	1.1%	325	271	244	280	--	--	98	109
Pacific Noncontiguous	68	82	-17.3%	NM	1	44	52	13	12	10	18
Alaska	NM	1	NM	NM	1	--	--	--	--	NM	*
Hawaii	67	81	-17.5%	*	*	44	52	13	12	10	17
U.S. Total	19,091	16,554	15.3%	2,465	2,041	14,061	12,075	239	204	2,326	2,233

* = 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 1.14.B. Net Generation from Other Renewable Sources
by State, by Sector, Year-to-Date through October 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	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	7,210	6,559	9.9%	514	470	4,880	4,372	103	85	1,712	1,631
Connecticut	579	541	6.9%	--	--	579	541	--	--	--	--
Maine	3,910	3,666	6.7%	--	--	2,108	1,962	89	73	1,712	1,631
Massachusetts	1,093	985	10.9%	61	33	1,020	942	12	11	--	--
New Hampshire	1,128	906	24.5%	280	243	848	663	--	--	NM	*
Rhode Island	108	107	0.8%	--	--	108	107	--	--	--	--
Vermont	392	353	11.1%	174	194	217	157	NM	2	--	--
Middle Atlantic	9,087	8,017	13.3%	48	18	7,972	7,016	443	394	624	589
New Jersey	1,095	794	37.8%	48	18	810	574	235	203	NM	--
New York	4,229	3,893	8.6%	--	--	3,919	3,615	103	90	207	187
Pennsylvania	3,762	3,330	13.0%	--	--	3,243	2,827	105	101	414	402
East North Central	16,603	13,318	24.7%	1,499	902	13,509	10,853	205	159	1,390	1,403
Illinois	6,788	5,181	31.0%	12	8	6,776	5,173	NM	*	--	1
Indiana	2,860	2,835	0.9%	254	243	2,570	2,558	19	18	17	17
Michigan	2,873	2,399	19.8%	228	2	1,953	1,701	175	130	517	567
Ohio	1,407	683	106.2%	14	12	1,074	360	--	--	319	311
Wisconsin	2,674	2,220	20.4%	991	637	1,136	1,062	12	12	536	508
West North Central	31,945	26,255	21.7%	10,159	7,697	21,286	18,033	67	63	433	462
Iowa	11,355	8,425	34.8%	5,941	3,952	5,375	4,430	29	29	10	14
Kansas	3,873	3,060	26.6%	750	833	3,123	2,227	--	--	--	--
Minnesota	7,623	6,625	15.1%	1,597	1,380	5,586	4,787	27	23	413	436
Missouri	1,071	994	7.8%	29	30	1,039	961	--	--	3	3
Nebraska	1,071	859	24.6%	209	225	851	622	11	12	--	--
North Dakota	4,513	4,156	8.6%	1,069	878	3,438	3,270	--	--	6	8
South Dakota	2,438	2,136	14.1%	563	399	1,875	1,737	--	--	--	--
South Atlantic	14,143	13,655	3.6%	915	900	5,221	4,877	286	254	7,722	7,624
Delaware	125	131	-4.3%	NM	*	118	127	NM	4	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3,925	3,845	2.1%	212	160	1,966	1,957	33	31	1,714	1,697
Georgia	2,769	2,629	5.3%	--	*	133	140	23	21	2,613	2,467
Maryland	714	649	9.9%	NM	*	546	479	55	45	110	124
North Carolina	1,990	1,945	2.3%	NM	10	889	822	--	--	1,100	1,114
South Carolina	1,725	1,759	-1.9%	410	352	18	18	--	--	1,297	1,390
Virginia	1,843	1,843	0.0%	287	377	499	480	170	152	888	833
West Virginia	1,053	854	23.2%	*	*	1,053	854	--	--	--	--
East South Central	5,028	4,794	4.9%	83	85	217	260	--	--	4,728	4,449
Alabama	2,697	2,357	14.4%	NM	1	162	197	--	--	2,534	2,159
Kentucky	270	354	-23.7%	82	83	--	--	--	--	188	271
Mississippi	1,189	1,252	-5.0%	*	*	--	--	--	--	1,189	1,252
Tennessee	872	831	5.0%	--	--	55	63	--	--	817	768
West South Central	37,459	34,682	8.0%	1,544	626	31,711	29,640	36	34	4,168	4,382
Arkansas	1,384	1,380	0.3%	--	--	71	63	4	4	1,308	1,314
Louisiana	1,838	2,011	-8.6%	--	--	64	57	--	--	1,775	1,954
Oklahoma	6,633	4,750	39.6%	1,281	565	5,107	3,932	--	--	246	253
Texas	27,603	26,541	4.0%	264	61	26,469	25,587	32	30	839	862
Mountain	18,332	15,455	18.6%	2,004	2,069	15,928	12,987	62	53	338	345
Arizona	1,124	414	171.3%	142	39	974	370	8	5	--	--
Colorado	5,151	4,236	21.6%	55	58	5,073	4,161	20	15	NM	2
Idaho	1,910	1,533	24.6%	19	--	1,557	1,191	--	--	334	342
Montana	996	963	3.5%	78	75	918	887	--	--	--	--
Nevada	2,689	2,041	31.8%	--	--	2,657	2,010	31	29	NM	1
New Mexico	2,116	1,848	14.5%	--	--	2,113	1,845	NM	3	--	--
Utah	907	796	14.0%	220	228	688	568	--	--	--	--
Wyoming	3,439	3,625	-5.1%	1,490	1,670	1,949	1,955	--	--	--	--
Pacific Contiguous	39,100	34,782	12.4%	5,986	4,872	30,349	27,250	943	886	1,821	1,774
California	26,337	23,224	13.4%	1,666	1,414	23,157	20,398	921	866	593	546
Oregon	5,852	4,720	24.0%	1,253	636	4,308	3,761	21	20	270	303
Washington	6,910	6,838	1.1%	3,068	2,822	2,884	3,091	--	--	958	925
Pacific Noncontiguous	772	729	5.9%	32	46	518	441	126	132	96	111
Alaska	15	12	20.8%	12	9	--	--	--	--	NM	3
Hawaii	758	717	5.6%	20	37	518	441	126	132	94	108
U.S. Total	179,678	158,246	13.5%	22,784	17,685	131,592	115,729	2,269	2,061	23,033	22,772

* = 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, October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	-22	-47	-52.6%	--	--	-22	-47	--	--	--	--
Connecticut	--	1	-100.0%	--	--	--	1	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-22	-48	-53.6%	--	--	-22	-48	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-61	-52	18.1%	-28	-15	-33	-37	--	--	--	--
New Jersey	-14	-5	164.9%	-14	-5	--	--	--	--	--	--
New York	-14	-9	47.7%	-14	-9	--	--	--	--	--	--
Pennsylvania	-33	-37	-10.4%	--	--	-33	-37	--	--	--	--
East North Central	-65	-72	-9.5%	-65	-72	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-65	-72	-9.5%	-65	-72	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	-5	-11	-55.3%	-5	-11	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	-5	-11	-55.3%	-5	-11	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-188	-254	-25.8%	-188	-254	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-34	-82	-58.4%	-34	-82	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-72	-68	6.4%	-72	-68	--	--	--	--	--	--
Virginia	-82	-103	-21.1%	-82	-103	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	1	-45	-103.1%	1	-45	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	1	-45	-103.1%	1	-45	--	--	--	--	--	--
West South Central	-10	-10	-0.9%	-10	-10	--	--	--	--	--	--
Arkansas	2	2	0.7%	2	2	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-12	-12	-0.6%	-12	-12	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	*	*	369.6%	*	*	--	--	--	--	--	--
Arizona	12	13	-12.9%	12	13	--	--	--	--	--	--
Colorado	-11	-13	-15.6%	-11	-13	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	-1	-81	-98.8%	-1	-81	--	--	--	--	--	--
California	-2	-81	-97.9%	-2	-81	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	1	*	-627.6%	1	*	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-351	-572	-38.7%	-295	-488	-55	-84	--	--	--	--

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	-260	-382	-32.0%	--	--	-260	-382	--	--	--	--
Connecticut	1	3	-62.4%	--	--	1	3	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-261	-385	-32.2%	--	--	-261	-385	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-585	-570	2.6%	-228	-464	-357	-106	--	--	--	--
New Jersey	-136	-167	-18.7%	-136	-167	--	--	--	--	--	--
New York	-92	-297	-69.1%	-92	-297	--	--	--	--	--	--
Pennsylvania	-357	-106	237.3%	--	--	-357	-106	--	--	--	--
East North Central	-661	-837	-21.0%	-661	-837	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-661	-837	-21.0%	-661	-837	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	48	170	-71.9%	48	170	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	48	170	-71.9%	48	170	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-2,672	-2,638	1.3%	-2,672	-2,638	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-715	-569	25.6%	-715	-569	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-774	-788	-1.8%	-774	-788	--	--	--	--	--	--
Virginia	-1,183	-1,280	-7.6%	-1,183	-1,280	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	-142	-556	-74.5%	-142	-556	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-142	-556	-74.5%	-142	-556	--	--	--	--	--	--
West South Central	-53	-103	-48.4%	-53	-103	--	--	--	--	--	--
Arkansas	41	28	43.0%	41	28	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-94	-132	-28.7%	-94	-132	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-124	-85	45.6%	-124	-85	--	--	--	--	--	--
Arizona	80	128	-37.7%	80	128	--	--	--	--	--	--
Colorado	-204	-214	-4.5%	-204	-214	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	732	33	2,109.7%	732	33	--	--	--	--	--	--
California	693	-19	-3,691.5%	693	-19	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	39	52	-25.7%	39	52	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-3,718	-4,968	-25.2%	-3,101	-4,480	-617	-488	--	--	--	--

* = 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, October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	176	167	5.5%	--	--	165	157	8	8	2	2
Connecticut	63	55	14.8%	--	--	63	55	--	--	NM	*
Maine	29	29	-0.6%	--	--	19	20	8	8	2	2
Massachusetts	78	77	1.6%	--	--	78	77	--	--	--	--
New Hampshire	6	6	-1.9%	--	--	6	6	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	199	215	-7.6%	--	--	172	173	27	31	--	10
New Jersey	43	55	-21.4%	--	--	32	32	11	12	--	10
New York	81	84	-3.3%	--	--	72	73	9	10	--	--
Pennsylvania	75	76	-2.2%	--	--	68	68	6	9	--	--
East North Central	93	86	8.5%	6	8	13	10	25	16	49	52
Illinois	22	20	6.6%	--	--	--	--	--	--	22	20
Indiana	23	30	-22.1%	--	2	--	--	NM	2	22	26
Michigan	41	29	40.3%	3	3	13	10	24	14	2	3
Ohio	1	1	-23.3%	--	--	--	--	--	--	1	1
Wisconsin	6	6	15.0%	4	3	--	--	NM	*	NM	2
West North Central	34	34	0.4%	19	19	9	9	NM	2	NM	4
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	30	29	2.8%	15	14	9	9	NM	2	NM	4
Missouri	1	1	-32.8%	1	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	4	4	-7.5%	4	4	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	338	384	-11.9%	--	--	168	169	16	15	155	200
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	247	268	-7.7%	--	--	114	113	--	--	133	155
Georgia	9	3	157.0%	--	--	--	--	--	--	9	3
Maryland	24	23	4.6%	--	--	24	23	NM	*	--	--
North Carolina	11	46	-76.9%	--	--	11	10	--	--	--	36
South Carolina	13	5	165.7%	--	--	--	--	--	--	13	5
Virginia	35	38	-10.1%	--	--	19	23	16	15	--	*
West Virginia	--	*	-100.0%	--	--	--	--	--	--	--	*
East South Central	2	36	-95.5%	1	--	--	--	--	--	NM	36
Alabama	*	36	-100.0%	--	--	--	--	--	--	*	36
Kentucky	1	--	--	1	--	--	--	--	--	--	--
Mississippi	NM	*	NM	--	--	--	--	--	--	NM	*
Tennessee	*	*	-11.3%	--	--	--	--	--	--	*	*
West South Central	68	66	3.0%	--	--	--	--	--	--	68	66
Arkansas	3	3	-6.9%	--	--	--	--	--	--	3	3
Louisiana	28	31	-8.7%	--	--	--	--	--	--	28	31
Oklahoma	NM	*	NM	--	--	--	--	--	--	NM	*
Texas	36	32	12.7%	--	--	--	--	--	--	36	32
Mountain	57	66	-13.4%	3	3	35	33	--	--	19	30
Arizona	1	2	-47.7%	--	--	1	2	--	--	--	--
Colorado	5	6	-6.1%	--	--	NM	1	--	--	NM	4
Idaho	--	7	-100.0%	--	--	--	--	--	--	--	7
Montana	32	29	9.2%	--	--	32	29	--	--	--	--
Nevada	3	3	3.4%	3	3	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	15	15	1.9%	--	--	NM	*	--	--	15	15
Wyoming	--	4	-100.0%	--	--	--	--	--	--	--	4
Pacific Contiguous	78	92	-14.9%	--	--	27	27	--	*	51	65
California	58	73	-20.1%	--	--	17	17	--	*	41	56
Oregon	4	4	-3.1%	--	--	4	3	--	--	--	1
Washington	16	15	7.1%	--	--	6	7	--	--	10	8
Pacific Noncontiguous	12	27	-53.2%	--	15	--	--	12	11	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	12	27	-53.2%	--	15	--	--	12	11	--	--
U.S. Total	1,057	1,172	-9.7%	30	46	590	578	91	84	347	463

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	1,773	1,672	6.0%	--	--	1,668	1,562	78	69	27	41
Connecticut	645	587	10.0%	--	--	645	586	--	--	NM	1
Maine	322	325	-0.9%	--	--	218	215	78	69	26	40
Massachusetts	748	708	5.6%	--	--	748	708	--	--	--	--
New Hampshire	58	53	10.0%	--	--	58	53	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	1,999	2,013	-0.7%	--	--	1,698	1,627	301	285	--	101
New Jersey	456	529	-13.8%	--	--	334	315	123	114	--	101
New York	776	745	4.2%	--	--	686	658	90	87	--	--
Pennsylvania	767	739	3.7%	--	--	678	655	88	85	--	--
East North Central	896	918	-2.4%	112	116	135	138	174	137	475	527
Illinois	201	247	-18.6%	--	--	--	6	--	--	201	241
Indiana	298	322	-7.5%	57	71	--	--	15	17	225	234
Michigan	337	300	12.4%	23	20	135	132	159	120	21	28
Ohio	9	7	29.2%	--	--	--	--	--	--	9	7
Wisconsin	52	43	19.3%	32	25	--	--	NM	*	20	18
West North Central	335	317	5.7%	188	181	94	83	21	20	32	34
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	283	260	8.7%	136	124	94	83	21	19	32	34
Missouri	17	20	-16.0%	17	19	--	--	--	*	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	36	37	-4.1%	36	37	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	3,349	3,931	-14.8%	--	--	1,820	1,802	158	147	1,370	1,982
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,508	2,829	-11.4%	--	--	1,250	1,232	--	--	1,257	1,597
Georgia	42	22	91.3%	--	--	--	--	--	--	42	22
Maryland	243	247	-1.4%	--	--	243	246	NM	*	--	--
North Carolina	94	396	-76.4%	--	--	94	85	--	--	--	312
South Carolina	71	50	42.8%	--	--	--	--	--	--	71	50
Virginia	392	387	1.3%	--	--	234	240	158	146	--	1
West Virginia	--	*	-100.0%	--	--	--	--	--	--	--	*
East South Central	10	330	-97.0%	7	9	--	--	--	--	NM	321
Alabama	*	318	-100.0%	--	--	--	--	--	--	*	318
Kentucky	7	9	-18.1%	7	9	--	--	--	--	--	--
Mississippi	NM	2	NM	--	--	--	--	--	--	NM	2
Tennessee	*	1	-56.0%	--	--	--	--	--	--	*	1
West South Central	624	653	-4.5%	--	--	--	--	--	--	624	653
Arkansas	25	26	-4.0%	--	--	--	--	--	--	25	26
Louisiana	266	357	-25.4%	--	--	--	--	--	--	266	357
Oklahoma	6	1	530.3%	--	--	--	--	--	--	6	1
Texas	326	269	21.3%	--	--	--	--	--	--	326	269
Mountain	453	612	-26.0%	35	31	284	299	--	--	133	282
Arizona	23	14	65.5%	--	--	23	14	--	--	--	--
Colorado	53	52	2.8%	--	--	16	12	--	--	37	39
Idaho	--	63	-100.0%	--	--	--	--	--	--	--	63
Montana	241	269	-10.1%	--	--	241	269	--	--	--	--
Nevada	35	31	15.3%	35	31	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	100	134	-25.7%	--	--	4	4	--	--	96	130
Wyoming	--	49	-100.0%	--	--	--	--	--	--	--	49
Pacific Contiguous	756	928	-18.5%	--	--	285	277	--	*	471	651
California	585	755	-22.5%	--	--	180	184	--	*	405	571
Oregon	38	42	-9.8%	--	--	38	35	--	--	--	7
Washington	133	131	1.7%	--	--	66	57	--	--	67	73
Pacific Noncontiguous	121	300	-59.6%	--	173	--	--	121	127	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	121	300	-59.6%	--	173	--	--	121	127	--	--
U.S. Total	10,316	11,674	-11.6%	343	509	5,985	5,788	853	785	3,135	4,592

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	128	103	24.7%	9	9	118	93	NM	NM	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	95	81	17.5%	--	--	95	81	--	--	--	--
Massachusetts	NM	9	NM	NM	7	NM	1	NM	NM	--	--
New Hampshire	14	8	87.1%	--	--	14	8	--	--	--	--
Rhode Island	NM	*	NM	--	--	NM	*	--	--	--	--
Vermont	12	5	153.9%	4	1	8	3	--	--	--	--
Middle Atlantic	484	386	25.4%	--	--	483	386	--	--	NM	--
New Jersey	NM	1	NM	--	--	NM	1	--	--	--	--
New York	274	242	13.4%	--	--	273	242	--	--	NM	--
Pennsylvania	209	144	45.6%	--	--	209	144	--	--	--	--
East North Central	1,469	931	57.7%	118	52	1,349	878	NM	*	NM	*
Illinois	762	512	48.8%	NM	1	760	511	--	--	--	--
Indiana	324	246	31.6%	--	--	324	246	NM	*	--	--
Michigan	113	40	180.8%	25	--	88	40	--	--	--	--
Ohio	119	28	325.2%	NM	1	116	26	--	--	NM	*
Wisconsin	151	105	44.3%	91	50	60	55	--	--	--	--
West North Central	3,641	3,120	16.7%	1,148	952	2,490	2,165	NM	3	--	--
Iowa	1,356	1,102	23.0%	722	513	633	589	NM	*	--	--
Kansas	446	355	25.4%	40	100	405	255	--	--	--	--
Minnesota	766	732	4.6%	175	156	589	574	NM	3	--	--
Missouri	115	106	8.3%	--	--	115	106	--	--	--	--
Nebraska	113	96	16.8%	18	19	95	77	--	--	--	--
North Dakota	553	475	16.4%	132	105	421	370	--	--	--	--
South Dakota	294	253	15.9%	62	59	232	194	--	--	--	--
South Atlantic	124	162	-23.4%	--	--	123	161	NM	1	--	--
Delaware	NM	1	NM	--	--	--	--	NM	1	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	25	39	-35.7%	--	--	25	39	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	98	122	-19.5%	--	--	98	122	--	--	--	--
East South Central	4	4	19.3%	--	--	4	4	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	4	4	19.3%	--	--	4	4	--	--	--	--
West South Central	3,508	3,170	10.7%	177	92	3,330	3,078	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	791	498	58.6%	151	56	640	443	--	--	--	--
Texas	2,717	2,671	1.7%	26	37	2,691	2,635	--	--	--	--
Mountain	1,410	1,326	6.3%	199	189	1,210	1,137	NM	1	NM	*
Arizona	18	14	29.2%	--	--	18	14	--	--	--	--
Colorado	449	507	-11.4%	6	6	441	500	NM	1	NM	*
Idaho	162	122	33.3%	12	--	150	122	--	--	--	--
Montana	119	113	5.4%	9	9	110	104	--	--	--	--
Nevada	20	--	--	--	--	20	--	--	--	--	--
New Mexico	198	159	24.3%	--	--	197	159	NM	*	--	--
Utah	42	36	15.5%	--	--	42	36	--	--	--	--
Wyoming	402	375	7.2%	172	173	230	202	--	--	--	--
Pacific Contiguous	1,725	1,290	33.7%	416	342	1,310	948	--	--	--	--
California	806	415	94.1%	54	28	752	387	--	--	--	--
Oregon	391	378	3.4%	70	89	321	289	--	--	--	--
Washington	528	497	6.3%	292	225	236	272	--	--	--	--
Pacific Noncontiguous	21	33	-37.2%	NM	1	19	32	--	--	--	--
Alaska	NM	1	NM	NM	1	--	--	--	--	--	--
Hawaii	19	32	-38.6%	--	--	19	32	--	--	--	--
U.S. Total	12,514	10,525	18.9%	2,069	1,637	10,438	8,882	NM	6	NM	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 *.)
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 1.17.B. Net Generation from Wind
by State, by Sector, Year-to-Date through October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	1,087	656	65.6%	62	38	1,015	612	9	7	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	724	550	31.8%	--	--	724	550	--	--	--	--
Massachusetts	67	42	59.2%	49	29	9	6	9	7	--	--
New Hampshire	212	50	320.4%	--	--	212	50	--	--	--	--
Rhode Island	NM	2	NM	--	--	NM	2	--	--	--	--
Vermont	80	12	576.9%	13	8	68	3	--	--	--	--
Middle Atlantic	4,177	3,615	15.6%	--	--	4,170	3,615	--	--	NM	--
New Jersey	11	8	33.5%	--	--	11	8	--	--	--	--
New York	2,436	2,194	11.0%	--	--	2,428	2,194	--	--	NM	--
Pennsylvania	1,731	1,412	22.5%	--	--	1,731	1,412	--	--	--	--
East North Central	11,705	8,524	37.3%	1,028	461	10,665	8,061	NM	1	11	1
Illinois	6,201	4,633	33.8%	12	8	6,189	4,625	--	--	--	--
Indiana	2,571	2,559	0.5%	--	--	2,570	2,558	NM	1	--	--
Michigan	844	321	162.6%	227	--	617	321	--	--	--	--
Ohio	804	86	830.9%	13	11	780	75	--	--	11	1
Wisconsin	1,285	925	39.0%	776	443	510	482	--	--	--	--
West North Central	30,221	24,510	23.3%	9,763	7,294	20,436	17,196	23	20	--	--
Iowa	11,220	8,284	35.4%	5,917	3,929	5,300	4,353	NM	3	--	--
Kansas	3,823	3,010	27.0%	750	833	3,072	2,177	--	--	--	--
Minnesota	6,199	5,186	19.5%	1,298	1,074	4,881	4,095	20	17	--	--
Missouri	1,020	941	8.3%	--	--	1,020	941	--	--	--	--
Nebraska	1,015	804	26.2%	165	182	851	622	--	--	--	--
North Dakota	4,507	4,148	8.7%	1,069	878	3,438	3,270	--	--	--	--
South Dakota	2,438	2,136	14.1%	563	399	1,875	1,737	--	--	--	--
South Atlantic	1,303	1,046	24.6%	--	--	1,299	1,042	NM	4	--	--
Delaware	NM	4	NM	--	--	--	--	NM	4	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	247	195	26.2%	--	--	247	195	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	1,053	847	24.3%	--	--	1,053	847	--	--	--	--
East South Central	37	39	-4.3%	--	--	37	39	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	37	39	-4.3%	--	--	37	39	--	--	--	--
West South Central	32,444	29,706	9.2%	1,544	626	30,900	29,080	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	6,388	4,497	42.0%	1,281	565	5,107	3,932	--	--	--	--
Texas	26,056	25,209	3.4%	264	61	25,792	25,147	--	--	--	--
Mountain	13,426	12,181	10.2%	1,642	1,803	11,769	10,369	12	7	NM	2
Arizona	219	220	-0.4%	--	--	219	220	--	--	--	--
Colorado	4,947	4,094	20.8%	55	58	4,880	4,030	9	4	NM	2
Idaho	1,419	1,056	34.3%	19	--	1,400	1,056	--	--	--	--
Montana	953	963	-1.0%	78	75	875	887	--	--	--	--
Nevada	61	--	--	--	--	61	--	--	--	--	--
New Mexico	1,811	1,747	3.7%	--	--	1,808	1,744	NM	3	--	--
Utah	578	477	21.1%	--	--	578	477	--	--	--	--
Wyoming	3,439	3,625	-5.1%	1,490	1,670	1,949	1,955	--	--	--	--
Pacific Contiguous	19,688	16,546	19.0%	4,565	3,437	15,123	13,110	--	--	--	--
California	8,766	6,998	25.3%	533	459	8,233	6,539	--	--	--	--
Oregon	5,273	4,127	27.8%	1,190	580	4,083	3,547	--	--	--	--
Washington	5,649	5,421	4.2%	2,842	2,398	2,807	3,024	--	--	--	--
Pacific Noncontiguous	311	260	19.9%	12	9	299	250	--	--	--	--
Alaska	12	9	32.8%	12	9	--	--	--	--	--	--
Hawaii	299	250	19.4%	--	--	299	250	--	--	--	--
U.S. Total	114,401	97,082	17.8%	18,617	13,667	95,712	83,373	50	39	21	3

* = 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 1.18.A. Net Generation from Biomass
by State, by Sector, October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	612	535	14.3%	34	48	390	340	NM	8	178	139
Connecticut	NM	59	NM	--	--	NM	59	--	--	--	--
Maine	336	251	34.2%	--	--	149	104	NM	8	178	139
Massachusetts	NM	99	NM	--	--	NM	99	--	*	--	--
New Hampshire	93	96	-3.5%	32	33	61	63	--	--	NM	*
Rhode Island	10	11	-8.1%	--	--	10	11	--	--	--	--
Vermont	NM	19	NM	2	15	NM	4	NM	*	--	--
Middle Atlantic	460	445	3.4%	--	--	352	355	40	43	68	48
New Jersey	76	79	-3.7%	--	--	55	57	21	22	--	--
New York	174	183	-4.8%	--	--	143	153	11	11	20	19
Pennsylvania	210	183	14.7%	--	--	154	144	8	10	48	28
East North Central	481	473	1.6%	48	47	274	270	NM	19	130	138
Illinois	55	52	5.8%	--	--	55	52	--	*	--	--
Indiana	29	28	1.2%	25	25	--	--	NM	2	NM	2
Michigan	205	216	-5.4%	NM	*	133	142	NM	16	46	58
Ohio	55	38	43.9%	--	--	26	13	--	--	NM	25
Wisconsin	138	139	-0.5%	23	22	61	63	NM	1	NM	52
West North Central	177	167	6.0%	39	41	85	81	4	4	NM	41
Iowa	13	12	9.4%	NM	2	7	6	NM	2	*	1
Kansas	5	5	-6.5%	--	--	5	5	--	--	--	--
Minnesota	149	139	7.2%	30	31	71	68	NM	1	NM	39
Missouri	5	5	5.9%	NM	3	NM	2	--	--	NM	*
Nebraska	6	6	-7.0%	4	5	--	--	NM	1	--	--
North Dakota	NM	1	NM	--	--	--	--	--	--	NM	1
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	1,217	1,174	3.7%	51	66	357	340	NM	24	780	743
Delaware	6	8	-17.6%	--	--	6	8	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	369	388	-5.0%	8	11	178	183	3	3	179	191
Georgia	280	257	8.7%	--	--	NM	12	NM	1	265	245
Maryland	45	36	24.9%	--	*	28	27	NM	4	12	6
North Carolina	202	181	11.9%	--	*	87	62	--	--	115	119
South Carolina	141	162	-12.8%	32	33	NM	2	--	--	108	127
Virginia	174	141	23.2%	NM	23	44	47	17	16	102	56
West Virginia	--	1	-100.0%	--	--	--	1	--	--	--	--
East South Central	478	431	10.9%	8	7	NM	17	--	--	455	407
Alabama	NM	194	NM	NM	*	13	14	--	--	NM	179
Kentucky	30	36	-18.5%	8	7	--	--	--	--	22	29
Mississippi	NM	131	NM	*	*	--	--	--	--	NM	131
Tennessee	85	69	22.4%	--	--	NM	3	--	--	83	67
West South Central	499	527	-5.3%	--	--	68	65	4	4	427	458
Arkansas	136	131	4.0%	--	--	7	7	NM	*	129	123
Louisiana	198	224	-11.4%	--	--	6	7	--	--	192	217
Oklahoma	25	31	-18.7%	--	--	--	--	--	--	25	31
Texas	140	142	-1.3%	--	--	55	51	3	3	82	88
Mountain	68	74	-7.0%	NM	2	32	34	NM	*	NM	37
Arizona	14	17	-12.6%	NM	2	NM	14	NM	*	--	--
Colorado	6	5	4.4%	--	--	6	5	--	--	--	--
Idaho	43	46	-6.9%	--	--	NM	9	--	--	NM	37
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	NM	1	NM	--	--	NM	1	--	--	--	--
Utah	5	5	-1.8%	--	--	5	5	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	716	729	-1.7%	60	72	372	375	93	79	191	203
California	517	508	1.7%	21	21	345	343	91	77	60	66
Oregon	61	58	4.3%	6	5	NM	24	NM	2	32	27
Washington	139	162	-14.6%	33	46	8	8	--	--	98	109
Pacific Noncontiguous	23	30	-21.7%	*	*	--	--	13	12	10	18
Alaska	NM	*	NM	--	--	--	--	--	--	NM	*
Hawaii	23	29	-21.6%	*	*	--	--	13	12	10	17
U.S. Total	4,733	4,585	3.2%	243	284	1,946	1,878	NM	192	2,322	2,232

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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 October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	6,093	5,897	3.3%	440	429	3,847	3,759	NM	78	1,712	1,631
Connecticut	NM	541	NM	--	--	NM	541	--	--	--	--
Maine	3,186	3,117	2.2%	--	--	1,384	1,413	NM	73	1,712	1,631
Massachusetts	1,000	939	6.4%	--	--	998	936	NM	3	--	--
New Hampshire	916	856	7.0%	280	243	636	612	--	--	NM	*
Rhode Island	105	105	0.4%	--	--	105	105	--	--	--	--
Vermont	307	340	-9.5%	161	186	145	152	NM	2	--	--
Middle Atlantic	4,516	4,324	4.4%	--	--	3,487	3,354	422	387	NM	584
New Jersey	774	727	6.4%	--	--	557	532	217	195	--	--
New York	1,744	1,699	2.7%	--	--	1,444	1,421	101	90	200	187
Pennsylvania	1,998	1,898	5.2%	--	--	1,486	1,401	105	101	NM	397
East North Central	4,834	4,767	1.4%	470	440	2,781	2,766	204	158	1,379	1,403
Illinois	556	535	4.0%	--	--	556	535	NM	*	--	1
Indiana	289	276	4.5%	254	243	--	--	17	17	17	17
Michigan	2,030	2,078	-2.3%	NM	2	1,336	1,380	175	130	517	567
Ohio	570	582	-2.0%	--	--	262	272	--	--	308	310
Wisconsin	1,388	1,295	7.2%	215	195	626	580	NM	12	536	508
West North Central	1,723	1,705	1.1%	396	403	851	797	44	44	433	462
Iowa	135	141	-4.0%	24	23	75	77	26	26	10	14
Kansas	51	49	2.7%	--	--	51	49	--	--	--	--
Minnesota	1,424	1,400	1.7%	299	306	706	652	7	6	413	436
Missouri	NM	52	NM	29	30	19	19	--	--	NM	3
Nebraska	56	55	1.3%	44	43	--	--	11	12	--	--
North Dakota	6	8	-23.7%	--	--	--	--	--	--	6	8
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	12,556	12,477	0.6%	767	810	3,790	3,793	276	250	7,722	7,624
Delaware	95	121	-21.6%	--	--	95	121	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3,727	3,736	-0.2%	70	73	1,910	1,936	32	31	1,714	1,697
Georgia	2,767	2,629	5.2%	--	*	133	140	21	21	2,613	2,467
Maryland	444	452	-1.7%	NM	*	280	282	53	45	110	124
North Carolina	1,954	1,930	1.3%	*	8	854	809	--	--	1,100	1,114
South Carolina	1,725	1,759	-1.9%	410	352	18	18	--	--	1,297	1,390
Virginia	1,843	1,843	0.0%	287	377	499	480	170	152	888	833
West Virginia	*	8	-100.0%	*	*	--	7	--	--	--	--
East South Central	4,991	4,755	5.0%	83	85	180	221	--	--	4,728	4,449
Alabama	2,697	2,357	14.4%	NM	1	162	197	--	--	2,534	2,159
Kentucky	270	354	-23.7%	82	83	--	--	--	--	188	271
Mississippi	1,189	1,252	-5.0%	*	*	--	--	--	--	1,189	1,252
Tennessee	835	792	5.4%	--	--	18	24	--	--	817	768
West South Central	4,895	4,950	-1.1%	--	--	692	534	35	34	4,168	4,382
Arkansas	1,384	1,380	0.3%	--	--	71	63	4	4	1,308	1,314
Louisiana	1,838	2,011	-8.6%	--	--	64	57	--	--	NM	1,954
Oklahoma	246	253	-2.9%	--	--	--	--	--	--	246	253
Texas	1,427	1,306	9.3%	--	--	557	414	31	30	839	862
Mountain	705	690	2.1%	20	20	346	324	4	4	334	342
Arizona	171	159	7.5%	20	20	147	135	4	4	--	--
Colorado	54	51	5.7%	--	*	54	51	--	--	--	--
Idaho	423	425	-0.5%	--	--	88	83	--	--	334	342
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	8	8	1.2%	--	--	8	8	--	--	--	--
Utah	49	48	3.0%	--	--	49	48	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	7,051	6,969	1.2%	489	684	3,838	3,651	904	860	1,820	1,774
California	5,222	4,961	5.3%	205	205	3,543	3,370	883	840	592	546
Oregon	569	593	-4.0%	59	56	219	214	21	20	270	303
Washington	1,260	1,416	-11.0%	225	424	77	67	--	--	958	925
Pacific Noncontiguous	242	280	-13.5%	20	37	--	--	126	132	96	111
Alaska	NM	3	NM	--	--	--	--	--	--	NM	3
Hawaii	240	277	-13.5%	20	37	--	--	126	132	94	108
U.S. Total	47,604	46,814	1.7%	2,685	2,907	19,812	19,198	2,108	1,946	22,999	22,762

* = 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 1.19.A. Net Generation from Geothermal by State, by Sector, October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 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	--	4	-100.0%	--	--	--	4	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	4	-100.0%	--	--	--	4	--	--	--	--
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	273	198	37.5%	23	25	250	173	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	7	5	38.8%	--	--	7	5	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	237	163	44.8%	--	--	237	163	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	29	30	-2.4%	23	25	6	5	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	1,116	1,063	5.0%	76	74	1,041	989	--	--	--	--
California	1,116	1,063	5.0%	76	74	1,041	989	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	24	20	22.1%	--	--	24	20	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	24	20	22.1%	--	--	24	20	--	--	--	--
U.S. Total	1,413	1,285	10.0%	99	99	1,314	1,186	--	--	--	--

* = 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 1.19.B. Net Generation from Geothermal
by State, by Sector, Year-to-Date through October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 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	--	40	-100.0%	--	--	--	40	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	40	-100.0%	--	--	--	40	--	--	--	--
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	2,611	2,099	24.4%	220	228	2,391	1,871	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	69	52	31.0%	--	--	69	52	--	--	--	--
Montana	43	--	--	--	--	43	--	--	--	--	--
Nevada	2,221	1,776	25.1%	--	--	2,221	1,776	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	278	271	2.7%	220	228	59	43	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	11,076	10,434	6.1%	728	710	10,348	9,724	--	--	--	--
California	11,076	10,434	6.1%	728	710	10,348	9,724	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	216	187	15.5%	--	--	216	187	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	216	187	15.5%	--	--	216	187	--	--	--	--
U.S. Total	13,903	12,760	9.0%	947	938	12,956	11,822	--	--	--	--

* = 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, October 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	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	NM	1	NM	NM	*	NM	*	NM	*	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	NM	*	NM	NM	*	NM	--	NM	*	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	NM	*	NM	--	--	NM	*	--	--	--	--
Middle Atlantic	41	8	389.4%	NM	2	33	6	NM	1	NM	*
New Jersey	31	7	370.9%	NM	2	25	4	NM	1	NM	--
New York	4	--	--	--	--	3	--	NM	--	--	--
Pennsylvania	NM	2	NM	--	--	NM	1	--	*	NM	*
East North Central	NM	2	NM	NM	*	NM	2	--	--	--	--
Illinois	NM	1	NM	--	--	NM	1	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	NM	1	NM	NM	*	NM	1	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	28	9	216.0%	13	5	14	3	NM	--	--	--
Delaware	NM	1	NM	NM	*	NM	1	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	18	7	172.9%	12	5	NM	1	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	13	2	514.4%	--	--	13	2	NM	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	13	2	514.4%	--	--	13	2	NM	--	--	--
Mountain	210	55	281.5%	12	5	194	46	4	4	NM	*
Arizona	110	7	1,523.1%	12	5	98	2	NM	*	--	--
Colorado	16	8	87.7%	--	--	15	7	NM	1	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	53	23	132.3%	--	--	51	20	3	3	NM	*
New Mexico	31	17	81.7%	--	--	31	17	--	--	--	--
Utah	NM	--	--	--	--	NM	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	126	81	54.9%	24	10	96	69	NM	3	NM	--
California	124	81	52.9%	23	9	95	69	NM	3	NM	--
Oregon	NM	*	NM	NM	--	NM	*	--	--	--	--
Washington	*	*	0.0%	*	*	--	--	--	--	--	--
Pacific Noncontiguous	NM	*	NM	--	--	NM	*	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	*	NM	--	--	NM	*	--	--	--	--
U.S. Total	431	159	171.5%	55	21	362	130	13	7	NM	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 *.)
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 October 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	30	6	426.9%	12	4	18	2	NM	1	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	26	4	523.3%	12	4	13	--	NM	1	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	NM	2	NM	--	--	NM	2	--	--	--	--
Middle Atlantic	393	78	404.4%	48	18	315	48	20	8	10	5
New Jersey	311	59	426.5%	48	18	242	34	18	8	NM	--
New York	49	--	--	--	--	47	--	NM	--	--	--
Pennsylvania	34	19	77.1%	--	--	26	14	NM	*	NM	5
East North Central	64	27	136.1%	NM	1	63	26	--	--	--	--
Illinois	31	13	138.9%	--	--	31	13	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	33	14	133.6%	NM	1	32	13	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	284	132	114.6%	148	90	132	42	NM	--	--	--
Delaware	26	6	335.8%	NM	*	23	6	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	198	109	80.8%	142	88	55	22	NM	--	--	--
Georgia	NM	--	--	--	--	--	--	NM	--	--	--
Maryland	23	2	950.4%	NM	*	19	2	NM	--	--	--
North Carolina	35	15	134.4%	NM	2	34	13	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	120	26	356.1%	--	--	120	26	NM	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	120	26	356.1%	--	--	120	26	NM	--	--	--
Mountain	1,590	485	228.1%	122	19	1,421	423	46	42	NM	1
Arizona	734	35	1,988.3%	122	19	608	15	NM	2	--	--
Colorado	150	91	64.3%	--	--	140	80	10	11	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	407	265	53.6%	--	--	375	234	31	29	NM	1
New Mexico	297	93	218.9%	--	--	297	93	--	--	--	--
Utah	NM	--	--	--	--	NM	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	1,284	832	54.4%	204	41	1,040	765	39	26	NM	--
California	1,274	831	53.2%	200	40	1,034	765	39	26	NM	--
Oregon	NM	*	NM	NM	--	NM	*	--	--	--	--
Washington	1	1	-1.3%	1	1	--	--	--	--	--	--
Pacific Noncontiguous	NM	3	NM	--	--	NM	3	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	3	NM	--	--	NM	3	--	--	--	--
U.S. Total	3,770	1,590	137.1%	535	172	3,112	1,336	111	76	12	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-October 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
Year to Date					
2010	818,283	603,824	207,362	267	6,830
2011	794,269	586,291	202,861	301	4,817
2012	683,579	510,503	168,574	256	4,246
Rolling 12 Months Ending in October					
2011	955,671	703,898	245,313	347	6,112
2012	824,248	613,528	205,254	302	5,164

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	18,032	--	3,164	1,160	13,708
2011	18,031	--	3,054	1,111	13,866
2012	16,832	--	2,871	1,007	12,954
Rolling 12 Months Ending in October					
2011	21,725	--	3,698	1,356	16,671
2012	20,333	--	3,444	1,217	15,672

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	836,315	603,824	210,526	1,427	20,539
2011	812,300	586,291	205,915	1,411	18,683
2012	700,411	510,503	171,445	1,263	17,200
Rolling 12 Months Ending in October					
2011	977,396	703,898	249,011	1,704	22,783
2012	844,582	613,528	208,698	1,519	20,836

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	33,931	26,159	6,938	144	690
2011	23,543	17,817	5,012	115	599
2012	19,258	15,185	3,421	111	542
Rolling 12 Months Ending in October					
2011	29,714	22,465	6,352	135	763
2012	23,041	18,212	4,042	129	659

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	3,883	--	862	173	2,848
2011	3,247	--	845	150	2,252
2012	2,293	--	780	94	1,419
Rolling 12 Months Ending in October					
2011	4,230	--	1,070	189	2,971
2012	2,871	--	939	111	1,821

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	37,814	26,159	7,800	317	3,538
2011	26,790	17,817	5,857	265	2,850
2012	21,551	15,185	4,201	205	1,961
Rolling 12 Months Ending in October					
2011	33,944	22,465	7,421	324	3,734
2012	25,913	18,212	4,981	240	2,480

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	4,268	2,849	1,157	1	261
2011	4,391	3,042	1,112	1	236
2012	2,955	1,767	611	1	575
Rolling 12 Months Ending in October					
2011	5,116	3,518	1,309	1	288
2012	3,576	2,174	776	1	625

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	871	--	78	7	785
2011	896	--	93	4	800
2012	1,033	--	94	9	931
Rolling 12 Months Ending in October					
2011	1,084	--	113	7	965
2012	1,217	--	113	11	1,093

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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Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	5,139	2,849	1,235	9	1,046
2011	5,287	3,042	1,204	4	1,036
2012	3,988	1,767	705	10	1,506
Rolling 12 Months Ending in October					
2011	6,200	3,518	1,421	8	1,253
2012	4,793	2,174	889	12	1,718

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	6,570,147	2,817,426	3,257,469	31,752	463,500
2011	6,673,803	2,932,739	3,228,383	39,152	473,528
2012	8,238,755	3,584,010	4,113,782	41,231	499,733
Rolling 12 Months Ending in October					
2011	7,783,841	3,406,306	3,765,337	46,862	565,336
2012	9,448,818	4,097,357	4,704,506	49,248	597,706

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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Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	681,273	--	251,475	38,442	391,355
2011	696,214	--	256,301	32,352	407,561
2012	753,223	--	275,706	37,733	439,784
Rolling 12 Months Ending in October					
2011	836,717	--	306,595	40,234	489,888
2012	896,690	--	328,074	45,238	523,379

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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Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-October 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
Year to Date					
2010	7,251,420	2,817,426	3,508,945	70,194	854,855
2011	7,370,017	2,932,739	3,484,684	71,504	881,089
2012	8,991,979	3,584,010	4,389,488	78,964	939,517
Rolling 12 Months Ending in October					
2011	8,620,557	3,406,306	4,071,931	87,096	1,055,224
2012	10,345,508	4,097,357	5,032,580	94,486	1,121,085

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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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. Coal Consumption by State, by Sector, October 2012 and October 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	25	86	-71.0%	1	18	23	67	--	--	1	1
Connecticut	1	--	--	--	--	1	--	--	--	--	--
Maine	1	1	27.0%	--	--	1	1	--	--	*	*
Massachusetts	21	67	-68.0%	--	--	21	67	--	--	*	*
New Hampshire	1	18	-94.0%	1	18	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,388	3,745	-9.5%	--	*	3,345	3,727	NM	*	43	17
New Jersey	41	43	-4.4%	--	--	41	43	--	--	--	--
New York	166	228	-27.0%	--	*	160	223	--	--	6	5
Pennsylvania	3,182	3,474	-8.4%	--	--	3,144	3,462	NM	*	38	12
East North Central	13,749	16,434	-16.0%	9,905	11,244	3,759	5,095	3	6	81	89
Illinois	3,820	4,272	-11.0%	435	472	3,335	3,744	1	1	50	55
Indiana	3,509	4,249	-17.0%	3,256	3,886	250	361	2	1	1	1
Michigan	2,390	2,584	-7.5%	2,369	2,572	15	1	*	3	6	7
Ohio	2,321	3,493	-34.0%	2,157	2,498	160	988	--	1	5	6
Wisconsin	1,708	1,836	-7.0%	1,689	1,816	--	--	*	*	19	19
West North Central	10,762	11,234	-4.2%	10,627	11,117	--	--	6	5	128	113
Iowa	1,649	1,736	-5.0%	1,576	1,666	--	--	3	3	70	67
Kansas	1,389	1,494	-7.1%	1,389	1,494	--	--	--	--	--	--
Minnesota	1,209	1,185	2.0%	1,171	1,163	--	--	NM	--	36	22
Missouri	3,140	3,707	-15.0%	3,137	3,704	--	--	2	2	1	2
Nebraska	1,342	1,269	5.8%	1,327	1,253	--	--	--	--	15	15
North Dakota	1,831	1,833	-0.1%	1,825	1,826	--	--	--	--	6	6
South Dakota	202	10	2E3%	202	10	--	--	--	--	--	--
South Atlantic	8,718	8,080	7.9%	7,158	6,694	1,505	1,318	2	1	54	67
Delaware	66	23	185.0%	--	--	66	23	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,699	1,541	10.0%	1,649	1,478	46	58	--	--	5	5
Georgia	1,640	1,550	5.8%	1,632	1,534	--	--	--	--	8	17
Maryland	624	561	11.0%	--	--	620	556	--	--	4	5
North Carolina	1,378	1,340	2.9%	1,309	1,291	63	44	1	*	5	4
South Carolina	767	746	2.9%	760	731	--	7	--	--	7	8
Virginia	306	369	-17.0%	254	315	40	44	NM	1	10	10
West Virginia	2,238	1,949	15.0%	1,555	1,346	670	586	--	--	14	17
East South Central	6,704	6,992	-4.1%	6,585	6,806	93	161	*	*	25	25
Alabama	1,962	2,067	-5.1%	1,959	2,063	--	*	--	--	3	4
Kentucky	3,069	3,463	-11.0%	3,069	3,463	--	--	--	--	--	--
Mississippi	181	327	-45.0%	88	167	93	161	--	--	--	--
Tennessee	1,491	1,134	31.0%	1,469	1,113	--	--	*	*	22	21
West South Central	12,614	12,632	-0.1%	6,050	6,348	6,516	6,239	--	--	47	46
Arkansas	1,077	1,398	-23.0%	957	1,181	118	215	--	--	2	2
Louisiana	1,219	1,116	9.2%	729	615	489	500	--	--	--	--
Oklahoma	1,474	1,462	0.8%	1,328	1,336	133	113	--	--	14	14
Texas	8,844	8,656	2.2%	3,036	3,215	5,776	5,411	--	--	31	30
Mountain	9,899	9,434	4.9%	8,715	8,173	1,134	1,208	--	--	49	54
Arizona	1,932	2,002	-3.5%	1,926	1,995	--	--	--	--	6	8
Colorado	1,685	1,508	12.0%	1,682	1,504	3	4	--	--	--	--
Idaho	1	2	-49.0%	--	--	--	--	--	--	1	2
Montana	1,020	1,089	-6.4%	NM	19	994	1,068	--	--	NM	2
Nevada	267	255	4.9%	203	190	65	64	--	--	--	--
New Mexico	1,245	1,160	7.3%	1,245	1,160	--	--	--	--	--	--
Utah	1,371	1,360	0.8%	1,318	1,306	NM	29	--	--	23	25
Wyoming	2,378	2,058	16.0%	2,317	1,999	NM	43	--	--	19	17
Pacific Contiguous	778	865	-10.0%	239	241	532	617	--	--	7	7
California	49	65	-24.0%	--	--	43	59	--	--	7	6
Oregon	239	241	-0.9%	239	241	--	--	--	--	--	--
Washington	490	559	-12.0%	--	--	489	559	--	--	1	1
Pacific Noncontiguous	110	102	7.7%	15	4	85	88	9	9	NM	1
Alaska	43	33	30.0%	15	4	19	21	9	9	--	--
Hawaii	67	69	-2.8%	--	--	66	68	--	--	NM	1
U.S. Total	66,745	69,605	-4.1%	49,296	50,644	16,991	18,520	20	21	438	419

Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
* = 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. Coal Consumption by State, by Sector, Year-to-Date through October 2012 and October 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	1,123	2,759	-59.0%	366	778	748	1,970	--	--	9	11
Connecticut	58	317	-82.0%	--	--	58	317	--	--	--	--
Maine	9	11	-23.0%	--	--	5	6	--	--	4	5
Massachusetts	691	1,652	-58.0%	--	--	686	1,646	--	--	5	6
New Hampshire	366	778	-53.0%	366	778	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	36,409	46,288	-21.0%	NM	16	35,952	45,727	*	1	449	545
New Jersey	730	1,724	-58.0%	--	--	730	1,724	--	--	--	--
New York	1,793	4,286	-58.0%	NM	16	1,726	4,202	--	1	60	67
Pennsylvania	33,886	40,278	-16.0%	--	--	33,496	39,800	*	*	389	478
East North Central	150,856	178,340	-15.0%	105,771	123,896	44,209	53,435	80	102	796	907
Illinois	40,339	45,447	-11.0%	5,296	5,491	34,522	39,376	10	11	511	569
Indiana	38,428	44,269	-13.0%	35,758	40,327	2,628	3,901	31	31	11	11
Michigan	24,688	27,503	-10.0%	24,451	27,228	169	161	26	46	42	68
Ohio	31,396	41,585	-25.0%	24,438	31,510	6,891	9,998	10	12	57	65
Wisconsin	16,005	19,537	-18.0%	15,828	19,340	--	--	3	3	174	194
West North Central	112,283	123,382	-9.0%	110,951	121,974	--	--	71	86	1,262	1,322
Iowa	17,888	19,938	-10.0%	17,180	19,212	--	--	37	39	671	687
Kansas	14,691	16,709	-12.0%	14,691	16,709	--	--	--	--	--	--
Minnesota	11,250	14,523	-23.0%	10,881	14,110	--	--	17	24	352	389
Missouri	35,366	39,140	-9.6%	35,331	39,092	--	--	17	23	18	25
Nebraska	12,443	13,235	-6.0%	12,288	13,074	--	--	--	--	155	161
North Dakota	19,046	18,294	4.1%	18,981	18,234	--	--	--	--	66	59
South Dakota	1,598	1,543	3.6%	1,598	1,543	--	--	--	--	--	--
South Atlantic	97,773	122,270	-20.0%	81,624	103,208	15,623	18,323	15	22	511	717
Delaware	563	665	-15.0%	--	--	563	665	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	16,932	19,518	-13.0%	16,305	18,658	586	805	--	--	41	56
Georgia	18,269	25,633	-29.0%	18,177	25,465	--	--	--	--	92	169
Maryland	5,601	7,819	-28.0%	--	--	5,567	7,777	--	--	34	42
North Carolina	17,372	21,483	-19.0%	16,716	20,736	608	688	6	12	42	48
South Carolina	9,936	12,339	-19.0%	9,861	12,181	14	67	--	--	61	91
Virginia	5,160	7,576	-32.0%	4,591	6,696	458	761	9	10	102	108
West Virginia	23,939	27,237	-12.0%	15,973	19,473	7,827	7,561	--	--	139	203
East South Central	69,778	83,644	-17.0%	67,101	81,296	2,414	2,080	4	4	259	263
Alabama	19,071	24,562	-22.0%	19,017	24,491	13	26	--	--	41	45
Kentucky	32,119	35,691	-10.0%	32,119	35,691	--	--	--	--	--	--
Mississippi	4,314	5,232	-18.0%	1,913	3,177	2,401	2,054	--	--	--	--
Tennessee	14,275	18,159	-21.0%	14,054	17,936	--	--	4	4	218	219
West South Central	123,224	141,078	-13.0%	64,339	71,838	58,486	68,780	--	--	399	460
Arkansas	14,320	14,741	-2.9%	12,266	12,773	2,035	1,947	--	--	19	21
Louisiana	11,941	13,827	-14.0%	6,356	6,878	5,583	6,946	--	--	NM	4
Oklahoma	15,626	18,129	-14.0%	14,554	16,836	935	1,130	--	--	137	162
Texas	81,338	94,381	-14.0%	31,164	35,351	49,933	58,757	--	--	241	272
Mountain	87,801	90,986	-3.5%	79,026	81,624	8,301	8,857	--	--	473	505
Arizona	17,740	19,256	-7.9%	17,676	19,179	--	--	--	--	64	78
Colorado	15,811	15,509	1.9%	15,782	15,474	29	35	--	--	--	--
Idaho	13	14	-9.3%	--	--	--	--	--	--	13	14
Montana	7,325	7,700	-4.9%	235	243	7,084	7,446	--	--	5	11
Nevada	1,725	2,285	-25.0%	1,229	1,704	496	581	--	--	--	--
New Mexico	11,965	12,957	-7.6%	11,965	12,957	--	--	--	--	--	--
Utah	11,730	12,789	-8.3%	11,220	12,208	292	344	--	--	218	237
Wyoming	21,492	20,476	5.0%	20,918	19,859	400	451	--	--	174	166
Pacific Contiguous	3,265	4,485	-27.0%	1,148	1,522	2,045	2,890	--	--	72	72
California	525	677	-22.0%	--	--	460	610	--	--	65	67
Oregon	1,148	1,522	-25.0%	1,148	1,522	--	--	--	--	--	--
Washington	1,593	2,286	-30.0%	--	--	1,585	2,281	--	--	7	5
Pacific Noncontiguous	1,067	1,039	2.7%	171	139	794	799	86	86	15	15
Alaska	438	414	5.8%	171	139	181	189	86	86	--	--
Hawaii	629	625	0.6%	--	--	613	610	--	--	15	15
U.S. Total	683,579	794,269	-14.0%	510,503	586,291	168,574	202,861	256	301	4,246	4,817

Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
* = 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. Petroleum Liquids Consumption by State, by Sector, October 2012 and October 2011
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	50	45	11.0%	4	7	32	22	8	6	5	10
Connecticut	18	4	380.0%	NM	NM	17	3	--	--	NM	*
Maine	9	25	-63.0%	NM	*	4	14	NM	1	5	10
Massachusetts	17	10	66.0%	NM	3	11	5	5	3	NM	*
New Hampshire	NM	2	NM	NM	2	NM	*	NM	*	NM	NM
Rhode Island	3	1	170.0%	2	1	NM	*	NM	*	--	--
Vermont	NM	3	NM	NM	1	--	--	NM	2	--	--
Middle Atlantic	104	102	2.7%	39	28	58	65	NM	2	5	7
New Jersey	5	2	231.0%	NM	*	5	2	NM	*	NM	*
New York	70	51	38.0%	39	28	25	15	NM	2	4	6
Pennsylvania	29	49	-40.0%	NM	*	28	49	*	1	*	*
East North Central	107	96	12.0%	88	74	16	20	NM	*	4	2
Illinois	12	14	-12.0%	4	5	8	9	NM	*	NM	*
Indiana	20	23	-13.0%	18	21	NM	--	NM	*	2	1
Michigan	27	24	12.0%	25	23	*	--	NM	*	2	1
Ohio	41	33	25.0%	33	22	7	10	NM	*	*	*
Wisconsin	8	3	199.0%	8	2	*	--	NM	*	NM	*
West North Central	46	46	-1.1%	45	46	NM	*	NM	*	NM	*
Iowa	20	11	92.0%	20	10	NM	*	NM	*	NM	*
Kansas	5	9	-40.0%	5	9	--	--	--	--	--	--
Minnesota	4	1	302.0%	4	1	NM	*	NM	*	NM	*
Missouri	7	15	-52.0%	7	15	NM	--	NM	*	--	--
Nebraska	2	4	-46.0%	2	4	--	--	--	--	--	--
North Dakota	6	5	33.0%	6	5	--	--	NM	*	NM	*
South Dakota	NM	3	NM	NM	3	NM	*	NM	*	--	--
South Atlantic	220	209	5.4%	163	176	47	18	NM	*	9	14
Delaware	2	1	338.0%	NM	*	2	1	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	100	87	15.0%	88	83	11	1	--	--	NM	4
Georgia	13	17	-25.0%	8	13	NM	*	NM	*	5	4
Maryland	14	15	-5.3%	NM	1	12	14	NM	*	*	*
North Carolina	29	18	65.0%	27	16	NM	*	NM	*	NM	1
South Carolina	7	10	-33.0%	5	9	--	--	NM	*	1	1
Virginia	35	37	-5.7%	13	32	20	2	*	*	2	3
West Virginia	19	24	-18.0%	19	24	--	--	--	--	--	--
East South Central	65	51	27.0%	60	46	NM	*	--	--	4	4
Alabama	12	13	-1.2%	8	9	NM	*	--	--	4	3
Kentucky	20	19	7.3%	20	19	--	--	--	--	--	--
Mississippi	2	2	15.0%	2	1	--	--	--	--	*	1
Tennessee	30	18	69.0%	30	18	--	--	--	--	NM	*
West South Central	22	36	-40.0%	10	17	10	18	NM	*	2	2
Arkansas	5	5	-4.3%	1	4	4	1	--	--	*	*
Louisiana	2	8	-73.0%	NM	2	*	4	--	--	1	1
Oklahoma	1	3	-69.0%	1	3	--	--	NM	*	--	--
Texas	14	21	-32.0%	7	7	6	13	NM	*	NM	*
Mountain	46	29	59.0%	41	27	4	2	NM	*	NM	*
Arizona	10	6	74.0%	10	6	--	--	NM	*	NM	*
Colorado	6	4	58.0%	6	4	*	--	--	--	NM	--
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	3	1	172.0%	NM	*	3	1	--	--	--	--
Nevada	3	2	27.0%	2	2	1	*	--	--	--	--
New Mexico	10	4	141.0%	9	4	NM	*	--	--	--	--
Utah	7	3	148.0%	7	3	NM	*	--	--	--	--
Wyoming	7	9	-19.0%	7	9	--	--	--	--	NM	*
Pacific Contiguous	16	9	84.0%	5	5	9	1	NM	*	2	3
California	12	5	119.0%	4	5	7	*	NM	*	NM	*
Oregon	NM	*	NM	*	*	--	--	NM	*	--	--
Washington	4	3	32.0%	NM	*	2	*	NM	*	2	3
Pacific Noncontiguous	1,184	1,212	-2.3%	1,034	1,055	120	134	NM	1	29	22
Alaska	147	180	-19.0%	136	170	--	--	NM	*	10	10
Hawaii	1,037	1,032	0.5%	898	885	120	134	*	1	19	12
U.S. Total	1,860	1,835	1.4%	1,490	1,481	297	280	12	10	61	64

Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
* = 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.B. Petroleum Liquids Consumption by State, by Sector, Year-to-Date through October 2012 and October 2011 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	745	1,174	-37.0%	106	220	532	812	72	72	35	69
Connecticut	229	342	-33.0%	NM	9	219	330	--	--	2	3
Maine	167	302	-45.0%	NM	1	128	228	NM	7	32	66
Massachusetts	250	336	-26.0%	28	64	184	251	38	20	NM	NM
New Hampshire	53	125	-58.0%	43	109	NM	1	10	14	NM	*
Rhode Island	NM	27	NM	NM	20	NM	2	NM	5	--	--
Vermont	24	42	-43.0%	NM	17	--	--	NM	25	--	--
Middle Atlantic	1,514	2,635	-43.0%	625	895	811	1,639	NM	20	59	81
New Jersey	80	225	-65.0%	NM	9	73	213	NM	1	NM	2
New York	955	1,584	-40.0%	620	885	266	609	NM	15	54	74
Pennsylvania	479	826	-42.0%	NM	*	472	816	NM	4	NM	5
East North Central	1,055	1,275	-17.0%	883	1,071	144	174	NM	6	24	23
Illinois	107	131	-19.0%	36	44	70	87	NM	*	NM	*
Indiana	192	255	-25.0%	176	237	NM	--	NM	2	NM	16
Michigan	252	340	-26.0%	244	333	*	*	2	4	5	4
Ohio	421	481	-12.0%	348	397	71	82	NM	*	2	2
Wisconsin	83	68	22.0%	79	61	3	5	NM	*	NM	1
West North Central	535	520	3.0%	522	510	NM	5	NM	1	NM	3
Iowa	168	131	28.0%	164	128	NM	3	NM	*	NM	*
Kansas	59	74	-20.0%	59	74	--	--	--	--	--	--
Minnesota	57	38	48.0%	48	34	5	2	NM	1	NM	1
Missouri	139	142	-2.5%	138	141	NM	--	NM	*	--	1
Nebraska	35	60	-41.0%	35	60	--	--	--	--	--	--
North Dakota	58	62	-6.3%	57	61	--	--	NM	*	NM	1
South Dakota	NM	13	NM	19	13	NM	*	NM	*	--	--
South Atlantic	3,053	4,830	-37.0%	2,351	3,786	552	893	NM	6	146	146
Delaware	42	68	-38.0%	NM	3	40	66	--	--	--	--
District of Columbia	26	275	-91.0%	--	--	26	275	--	--	--	--
Florida	1,307	2,293	-43.0%	1,176	2,243	117	20	--	--	14	30
Georgia	196	184	6.6%	109	127	NM	6	NM	2	82	49
Maryland	218	400	-45.0%	NM	15	197	383	NM	*	7	3
North Carolina	314	349	-10.0%	296	321	NM	5	NM	*	12	23
South Carolina	173	167	3.4%	158	149	--	--	NM	1	14	17
Virginia	570	809	-30.0%	389	664	163	119	1	2	17	24
West Virginia	208	284	-27.0%	206	265	2	19	--	--	--	--
East South Central	617	775	-20.0%	581	723	NM	11	--	--	33	41
Alabama	140	190	-26.0%	109	144	NM	11	--	--	28	35
Kentucky	190	205	-7.6%	190	205	--	--	--	--	--	--
Mississippi	27	62	-56.0%	24	59	--	--	--	--	3	4
Tennessee	260	318	-18.0%	259	316	--	--	--	--	NM	2
West South Central	359	425	-16.0%	101	235	238	174	NM	2	18	15
Arkansas	42	78	-46.0%	22	44	19	32	--	--	2	2
Louisiana	56	82	-31.0%	18	47	25	25	--	--	14	10
Oklahoma	17	25	-33.0%	17	25	--	--	NM	*	--	--
Texas	243	241	1.1%	45	119	194	117	NM	2	NM	3
Mountain	376	399	-5.7%	332	358	43	40	NM	*	NM	1
Arizona	66	85	-22.0%	64	84	--	--	NM	*	NM	1
Colorado	NM	47	NM	NM	47	*	--	--	*	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	31	33	-4.4%	NM	4	29	29	--	--	--	--
Nevada	34	23	49.0%	25	16	9	7	--	--	--	--
New Mexico	73	60	22.0%	69	55	NM	4	--	--	--	--
Utah	62	67	-8.7%	61	67	NM	*	--	--	--	--
Wyoming	78	85	-7.9%	78	85	--	--	--	--	NM	*
Pacific Contiguous	149	141	6.1%	75	76	41	33	NM	1	32	30
California	87	76	15.0%	53	55	30	16	NM	1	NM	4
Oregon	11	11	-5.0%	11	10	--	--	NM	*	--	1
Washington	51	53	-3.9%	12	11	NM	17	NM	*	28	25
Pacific Noncontiguous	10,855	11,370	-4.5%	9,608	9,943	1,048	1,231	NM	6	192	190
Alaska	1,507	1,284	17.0%	1,419	1,207	--	--	NM	3	NM	73
Hawaii	9,347	10,087	-7.3%	8,189	8,736	1,048	1,231	3	3	107	116
U.S. Total	19,258	23,543	-18.0%	15,185	17,817	3,421	5,012	111	115	542	599

Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
* = 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. Petroleum Coke Consumption by State, by Sector, October 2012 and October 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	4	NM	--	--	--	NM	--	--	NM	4
New Jersey	--	*	-100.0%	--	--	--	--	--	--	--	*
New York	--	NM	NM	--	--	--	NM	--	--	--	--
Pennsylvania	NM	3	NM	--	--	--	--	--	--	NM	3
East North Central	42	53	-20.0%	*	13	39	36	--	--	4	4
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	9	-100.0%	--	9	--	--	--	--	--	--
Michigan	3	2	102.0%	--	--	3	*	--	--	1	1
Ohio	36	36	0.9%	--	--	36	36	--	--	--	*
Wisconsin	3	7	-53.0%	*	4	--	--	--	--	3	3
West North Central	*	*	1.8%	--	*	--	--	*	--	--	--
Iowa	*	*	7.1%	--	*	--	--	*	--	--	--
Kansas	--	*	-100.0%	--	*	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	4	59	-93.0%	--	52	--	--	--	--	4	6
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	52	-100.0%	--	52	--	--	--	--	--	--
Georgia	4	6	-34.0%	--	--	--	--	--	--	4	6
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	42	49	-16.0%	42	49	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	42	49	-16.0%	42	49	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	157	135	17.0%	114	114	--	NM	--	--	43	11
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	117	123	-4.8%	114	114	--	--	--	--	3	9
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	40	11	250.0%	--	--	--	NM	--	--	40	2
Mountain	16	8	95.0%	--	--	16	8	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	16	8	95.0%	--	--	16	8	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	29	NM	--	--	NM	29	--	--	--	--
California	NM	29	NM	--	--	NM	29	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	266	338	-21.0%	156	229	57	83	*	--	53	25

Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
* = 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. Petroleum Coke Consumption by State, by Sector, Year-to-Date through October 2012 and October 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	11	111	-90.0%	--	--	--	93	--	--	11	18
New Jersey	--	5	-100.0%	--	--	--	--	--	--	--	5
New York	--	93	-100.0%	--	--	--	93	--	--	--	--
Pennsylvania	11	12	-12.0%	--	--	--	--	--	--	11	12
East North Central	632	817	-23.0%	235	406	351	361	--	--	45	51
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	204	268	-24.0%	204	268	--	--	--	--	--	--
Michigan	37	40	-8.5%	--	--	28	25	--	--	8	15
Ohio	323	336	-3.7%	--	--	323	336	--	--	*	*
Wisconsin	67	174	-61.0%	31	138	--	--	--	--	36	36
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	272	691	-61.0%	227	630	--	--	--	--	45	61
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	227	630	-64.0%	227	630	--	--	--	--	--	--
Georgia	45	61	-26.0%	--	--	--	--	--	--	45	61
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	439	540	-19.0%	439	540	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	439	540	-19.0%	439	540	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,361	1,742	-22.0%	861	1,426	25	209	--	--	475	107
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	900	1,494	-40.0%	861	1,426	--	--	--	--	38	68
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	462	248	86.0%	--	--	25	209	--	--	436	39
Mountain	140	136	2.8%	--	--	140	136	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	140	136	2.8%	--	--	140	136	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	95	313	-70.0%	--	--	95	313	--	--	--	--
California	95	313	-70.0%	--	--	95	313	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	2,955	4,391	-33.0%	1,767	3,042	611	1,112	1	1	575	236

Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
* = 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. Natural Gas Consumptions by State, by Sector, October 2012 and October 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	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	39,772	39,780	0.0%	216	655	37,576	37,291	396	404	1,584	1,430
Connecticut	11,044	9,991	11.0%	NM	NM	10,671	9,587	NM	189	139	155
Maine	3,543	3,835	-7.6%	--	--	2,203	2,676	NM	1	1,340	1,158
Massachusetts	15,376	17,644	-13.0%	146	319	14,944	17,040	190	174	96	111
New Hampshire	4,254	2,842	50.0%	*	272	4,245	2,563	--	--	NM	7
Rhode Island	5,553	5,464	1.6%	--	--	5,513	5,425	NM	40	--	--
Vermont	2	4	-63.0%	2	4	--	--	--	--	--	--
Middle Atlantic	81,865	72,723	13.0%	10,618	9,160	69,857	62,188	592	587	798	788
New Jersey	15,227	15,442	-1.4%	--	--	14,854	15,044	NM	61	314	337
New York	39,181	34,504	14.0%	10,615	9,157	27,936	24,720	488	487	143	140
Pennsylvania	27,457	22,777	21.0%	NM	4	27,068	22,424	NM	39	341	311
East North Central	33,402	23,164	44.0%	11,379	9,492	20,336	12,480	786	603	900	589
Illinois	2,615	1,637	60.0%	NM	177	2,069	1,127	312	227	202	107
Indiana	8,032	3,914	105.0%	5,910	2,422	1,767	1,136	NM	31	333	326
Michigan	7,380	5,724	29.0%	837	1,601	6,053	3,908	239	131	251	84
Ohio	12,834	8,362	53.0%	3,307	3,355	9,325	4,801	NM	178	43	29
Wisconsin	2,540	3,525	-28.0%	1,295	1,937	1,121	1,509	53	35	71	43
West North Central	5,726	4,882	17.0%	4,481	4,251	865	339	262	210	118	82
Iowa	620	220	181.0%	605	216	--	*	NM	4	NM	*
Kansas	1,068	1,067	0.1%	1,068	1,066	--	--	--	--	NM	*
Minnesota	1,992	1,598	25.0%	1,208	1,128	570	329	160	105	54	37
Missouri	1,823	1,762	3.5%	1,429	1,650	296	10	96	101	NM	*
Nebraska	112	116	-3.5%	70	76	--	--	NM	*	NM	40
North Dakota	NM	4	NM	NM	*	--	--	--	--	NM	4
South Dakota	NM	115	NM	NM	115	--	--	--	--	--	--
South Atlantic	157,926	133,188	19.0%	126,673	105,071	29,092	26,288	NM	71	1,985	1,757
Delaware	4,729	4,044	17.0%	NM	17	4,258	3,347	--	--	457	680
District of Columbia	NM	83	NM	NM	83	--	--	--	--	--	--
Florida	95,225	82,965	15.0%	88,521	77,113	5,898	5,139	NM	14	795	698
Georgia	23,155	18,527	25.0%	14,468	9,420	8,216	8,906	--	--	471	201
Maryland	2,595	587	342.0%	--	--	2,348	435	NM	56	84	96
North Carolina	9,195	6,213	48.0%	7,570	4,659	1,591	1,524	2	*	NM	30
South Carolina	10,293	8,453	22.0%	9,635	8,103	622	332	NM	*	36	17
Virginia	12,474	12,304	1.4%	6,323	5,675	6,042	6,594	--	--	109	35
West Virginia	172	11	2E3%	52	*	117	10	--	--	NM	*
East South Central	48,797	48,559	0.5%	30,716	28,030	16,989	19,671	NM	76	1,012	781
Alabama	24,821	27,335	-9.2%	8,791	7,618	15,346	19,191	--	--	684	526
Kentucky	1,071	883	21.0%	892	777	NM	16	--	--	132	90
Mississippi	18,849	18,359	2.7%	17,061	17,739	1,596	465	NM	9	182	147
Tennessee	4,056	1,982	105.0%	3,973	1,896	--	--	NM	68	14	18
West South Central	177,387	161,975	9.5%	55,012	52,639	84,757	76,124	323	302	37,296	32,910
Arkansas	8,889	6,475	37.0%	1,057	645	7,722	5,731	NM	*	109	99
Louisiana	39,667	32,754	21.0%	17,638	15,851	4,811	2,567	NM	19	17,196	14,317
Oklahoma	17,006	15,861	7.2%	13,596	12,375	3,349	3,440	NM	7	NM	40
Texas	111,825	106,885	4.6%	22,721	23,768	68,875	64,387	291	276	19,938	18,454
Mountain	50,719	45,495	11.0%	30,372	30,483	19,560	14,350	172	161	616	502
Arizona	19,521	16,886	16.0%	9,378	8,394	10,092	8,444	NM	48	NM	--
Colorado	4,324	5,717	-24.0%	1,931	5,065	2,374	640	--	--	NM	12
Idaho	1,602	545	194.0%	305	72	1,273	435	--	--	24	38
Montana	NM	146	NM	NM	143	NM	3	--	--	--	--
Nevada	16,150	13,728	18.0%	12,194	10,430	3,734	3,113	NM	52	NM	132
New Mexico	5,581	4,951	13.0%	4,171	3,300	1,284	1,555	NM	60	NM	35
Utah	3,213	3,305	-2.8%	2,306	3,056	793	152	NM	*	114	97
Wyoming	260	218	19.0%	NM	24	NM	7	--	--	233	188
Pacific Contiguous	100,301	66,342	51.0%	33,335	23,592	60,002	35,580	1,142	1,313	5,822	5,857
California	83,659	57,314	46.0%	24,392	19,613	52,443	30,645	1,086	1,267	5,738	5,790
Oregon	10,567	6,495	63.0%	4,042	1,837	6,425	4,571	NM	44	46	43
Washington	6,075	2,533	140.0%	4,901	2,143	1,134	364	NM	3	38	24
Pacific Noncontiguous	3,447	3,435	0.4%	3,356	3,367	--	--	NM	*	NM	68
Alaska	3,447	3,435	0.4%	3,356	3,367	--	--	NM	*	NM	68
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	699,343	599,544	17.0%	306,157	266,740	339,034	284,312	3,931	3,727	50,220	44,764

Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
* = 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.B. Nautral Gas Consumption by State, by Sector, Year-to-Date through October 2012 and October 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	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	398,399	387,797	2.7%	3,945	3,779	372,506	363,511	5,200	5,197	16,748	15,310
Connecticut	98,482	91,316	7.8%	NM	NM	94,311	87,531	1,757	1,700	1,698	1,484
Maine	38,938	40,459	-3.8%	--	--	25,280	27,588	NM	10	13,645	12,861
Massachusetts	161,813	164,470	-1.6%	2,482	2,189	155,131	158,295	2,897	3,115	1,302	871
New Hampshire	44,754	38,082	18.0%	717	946	43,935	37,042	--	--	NM	94
Rhode Island	54,381	53,428	1.8%	--	--	53,849	53,056	533	372	--	--
Vermont	30	43	-31.0%	30	43	--	--	--	--	--	--
Middle Atlantic	940,213	774,188	21.0%	118,100	111,212	807,403	649,193	6,144	5,124	8,566	8,658
New Jersey	186,633	158,252	18.0%	--	--	182,593	154,091	662	619	3,378	3,542
New York	424,065	363,684	17.0%	118,018	111,171	299,611	246,947	4,930	4,077	1,506	1,489
Pennsylvania	329,515	252,251	31.0%	NM	41	325,199	248,155	551	428	3,682	3,627
East North Central	569,552	309,736	84.0%	210,617	114,579	342,106	181,337	7,528	6,524	9,301	7,296
Illinois	85,571	46,495	84.0%	13,217	9,440	66,999	31,797	2,932	2,988	2,423	2,270
Indiana	101,084	64,396	57.0%	76,847	44,107	20,654	17,197	270	221	3,313	2,871
Michigan	157,205	82,904	90.0%	39,099	20,641	113,980	59,967	1,839	1,017	2,287	1,279
Ohio	147,245	76,605	92.0%	39,042	20,925	105,903	53,395	1,854	1,892	447	393
Wisconsin	78,447	39,335	99.0%	42,413	19,465	34,570	18,981	633	406	830	483
West North Central	154,524	105,400	47.0%	131,683	92,042	19,164	11,050	2,641	1,636	1,036	673
Iowa	14,643	9,539	53.0%	14,530	9,477	NM	*	NM	30	63	32
Kansas	30,507	28,740	6.1%	30,417	28,733	--	--	--	--	NM	7
Minnesota	50,056	26,357	90.0%	40,252	20,131	7,929	4,863	1,491	1,069	385	293
Missouri	47,805	34,739	38.0%	35,464	28,023	11,233	6,186	1,084	520	NM	10
Nebraska	8,350	4,369	91.0%	7,952	4,103	--	--	NM	16	379	250
North Dakota	98	82	19.0%	NM	*	--	--	--	--	96	81
South Dakota	3,066	1,575	95.0%	3,066	1,575	--	--	--	--	--	--
South Atlantic	1,752,260	1,406,761	25.0%	1,337,081	1,099,770	393,356	293,665	1,919	2,165	19,904	11,162
Delaware	54,023	32,445	67.0%	NM	136	48,078	30,970	--	--	5,729	1,338
District of Columbia	978	851	15.0%	978	851	--	--	--	--	--	--
Florida	987,076	902,379	9.4%	893,481	820,152	85,365	75,146	NM	154	8,034	6,927
Georgia	265,749	170,030	56.0%	150,964	83,772	111,742	84,910	--	--	3,044	1,348
Maryland	46,605	21,893	113.0%	--	--	43,738	19,142	1,677	2,005	1,190	746
North Carolina	133,059	73,522	81.0%	112,503	57,941	20,015	15,295	33	1	508	285
South Carolina	97,169	83,822	16.0%	82,200	71,847	14,547	11,860	NM	4	410	112
Virginia	165,367	119,298	39.0%	96,328	64,693	68,090	54,222	--	--	949	383
West Virginia	2,234	2,520	-11.0%	412	378	1,782	2,119	--	--	41	23
East South Central	701,144	533,060	32.0%	385,223	294,631	305,139	228,189	876	797	9,907	9,444
Alabama	348,566	284,552	22.0%	93,785	87,522	248,194	191,020	--	--	6,586	6,011
Kentucky	30,855	16,033	92.0%	25,834	12,793	3,631	1,613	--	--	1,389	1,628
Mississippi	267,231	208,845	28.0%	212,067	171,703	53,313	35,557	NM	97	1,749	1,488
Tennessee	54,492	23,630	131.0%	53,536	22,613	--	--	774	700	182	317
West South Central	2,255,986	2,065,253	9.2%	734,494	694,485	1,152,540	1,008,373	3,531	3,330	365,420	359,065
Arkansas	112,749	91,109	24.0%	24,134	27,517	87,604	62,604	NM	4	1,007	984
Louisiana	425,177	397,139	7.1%	198,222	200,744	71,545	43,127	NM	224	155,188	153,043
Oklahoma	290,470	235,969	23.0%	208,873	179,442	80,935	56,004	194	131	467	392
Texas	1,427,590	1,341,036	6.5%	303,266	286,782	912,456	846,637	3,110	2,972	208,758	204,646
Mountain	572,294	472,742	21.0%	342,386	293,726	221,476	171,958	1,756	1,717	6,676	5,341
Arizona	213,640	160,252	33.0%	102,701	69,826	110,408	89,957	486	451	NM	18
Colorado	74,563	69,061	8.0%	41,200	56,157	33,149	12,742	28	28	NM	135
Idaho	12,446	5,260	137.0%	4,492	1,106	7,648	3,744	--	--	306	410
Montana	1,433	3,467	-59.0%	1,229	3,387	NM	80	--	--	--	--
Nevada	160,166	138,126	16.0%	115,860	96,189	42,244	40,113	523	516	1,539	1,308
New Mexico	63,320	60,088	5.4%	40,911	37,561	21,191	21,382	715	723	503	423
Utah	43,680	34,104	28.0%	35,517	29,224	6,479	3,875	NM	*	1,679	1,005
Wyoming	3,047	2,384	28.0%	NM	276	NM	66	--	--	2,420	2,042
Pacific Contiguous	857,917	583,747	47.0%	284,853	194,095	500,092	321,107	11,611	12,645	61,361	55,899
California	754,930	522,239	45.0%	232,733	165,333	450,464	289,215	11,107	12,363	60,625	55,328
Oregon	67,987	39,276	73.0%	23,593	11,852	43,535	26,836	452	260	406	327
Washington	35,000	22,231	57.0%	28,527	16,910	6,093	5,056	52	22	329	244
Pacific Noncontiguous	36,465	35,120	3.8%	35,627	34,422	--	--	NM	17	815	681
Alaska	36,465	35,120	3.8%	35,627	34,422	--	--	NM	17	815	681
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	8,238,755	6,673,803	23.0%	3,584,010	2,932,739	4,113,782	3,228,383	41,231	39,152	499,733	473,528

Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
* = 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 - October 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

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, October 2012 and 2011

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	October 2012	October 2011	Percentage Change	October 2012	October 2011	Percentage Change	October 2012	October 2011	Percentage Change
New England	W	W	W	2,065	2,956	-30.0%	--	--	--
Connecticut	W	W	W	900	1,007	-11.0%	--	--	--
Maine	--	--	--	W	W	W	--	--	--
Massachusetts	506	628	-19.0%	773	1,183	-35.0%	--	--	--
New Hampshire	W	W	W	W	W	W	--	--	--
Rhode Island	--	--	--	W	W	W	--	--	--
Vermont	--	--	--	48	51	-5.3%	--	--	--
Middle Atlantic	7,230	6,651	8.7%	5,543	6,640	-17.0%	W	W	W
New Jersey	885	777	14.0%	1,080	1,082	-0.1%	--	--	--
New York	529	663	-20.0%	3,484	4,352	-20.0%	--	--	--
Pennsylvania	5,815	5,211	12.0%	979	1,206	-19.0%	W	W	W
East North Central	37,244	33,216	12.0%	1,318	1,713	-23.0%	W	50	W
Illinois	8,604	7,547	14.0%	116	138	-16.0%	--	--	--
Indiana	9,586	8,333	15.0%	111	115	-4.0%	--	--	--
Michigan	6,714	6,024	11.0%	523	792	-34.0%	W	W	W
Ohio	6,800	6,056	12.0%	325	385	-15.0%	W	W	W
Wisconsin	5,541	5,256	5.4%	243	283	-14.0%	W	W	W
West North Central	31,363	25,297	24.0%	1,049	1,341	-22.0%	--	W	W
Iowa	8,665	6,659	30.0%	144	157	-8.6%	--	W	W
Kansas	4,276	3,287	30.0%	166	292	-43.0%	--	W	W
Minnesota	2,820	2,606	8.2%	183	217	-16.0%	--	--	--
Missouri	10,159	7,031	44.0%	320	331	-3.5%	--	--	--
Nebraska	3,578	3,448	3.8%	128	208	-39.0%	--	--	--
North Dakota	W	W	W	29	41	-29.0%	--	--	--
South Dakota	W	W	W	80	94	-15.0%	--	--	--
South Atlantic	37,435	31,645	18.0%	13,394	14,246	-6.0%	W	W	W
Delaware	W	W	W	395	377	4.8%	--	--	--
District of Columbia	--	--	--	W	W	W	--	--	--
Florida	5,206	5,542	-6.1%	6,892	7,815	-12.0%	W	W	W
Georgia	9,079	5,898	54.0%	920	915	0.6%	--	--	--
Maryland	1,290	1,730	-25.0%	757	799	-5.3%	--	--	--
North Carolina	7,215	5,694	27.0%	1,134	970	17.0%	--	--	--
South Carolina	6,393	W	W	644	652	-1.2%	W	W	W
Virginia	W	2,257	W	2,457	2,546	-3.5%	--	--	--
West Virginia	5,910	W	W	W	W	W	W	W	W
East South Central	19,715	15,230	29.0%	1,918	1,813	5.8%	W	W	W
Alabama	6,302	3,927	60.0%	290	255	13.0%	--	--	--
Kentucky	8,471	6,674	27.0%	258	264	-2.3%	W	W	W
Mississippi	1,843	1,062	74.0%	559	567	-1.4%	--	--	--
Tennessee	3,099	3,567	-13.0%	811	727	12.0%	--	--	--
West South Central	27,094	21,787	24.0%	2,499	2,723	-8.2%	W	W	W
Arkansas	3,677	3,351	9.7%	168	171	-1.3%	--	--	--
Louisiana	3,404	2,277	49.0%	674	612	10.0%	W	W	W
Oklahoma	4,386	3,510	25.0%	213	201	5.8%	--	--	--
Texas	15,628	12,649	24.0%	1,444	1,740	-17.0%	W	--	W
Mountain	21,179	19,280	9.8%	693	657	5.4%	W	W	W
Arizona	4,268	2,799	52.0%	223	220	1.4%	--	--	--
Colorado	4,217	4,353	-3.1%	143	121	18.0%	--	--	--
Idaho	--	--	--	W	W	W	--	--	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	W	W	W	180	179	0.5%	--	--	--
New Mexico	W	W	W	49	39	25.0%	--	--	--
Utah	4,935	5,299	-6.9%	46	45	3.0%	--	--	--
Wyoming	4,148	3,237	28.0%	30	35	-13.0%	--	--	--
Pacific Contiguous	W	1,465	W	380	419	-9.4%	W	29	W
California	W	W	W	206	202	2.1%	W	29	W
Oregon	W	W	W	W	W	W	--	--	--
Washington	W	W	W	W	W	W	--	--	--
Pacific Noncontiguous	W	W	W	2,873	2,783	3.2%	--	--	--
Alaska	W	W	W	205	303	-32.0%	--	--	--
Hawaii	W	W	W	2,669	2,480	7.6%	--	--	--
U.S. Total	184,661	156,196	18.0%	31,734	35,293	-10.0%	398	440	-9.6%

* = 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 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector by Census Divison, October 2012 and 2011

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**October 2012**	**October 2011**	**Percentage Change**	**October 2012**	**October 2011**	**October 2012**	**October 2011**
Coal (Thousand Tons)							
New England	W	W	W	W	W	W	W
Middle Atlantic	7,230	6,651	8.7%	W	W	W	W
East North Central	37,244	33,216	12.1%	28,131	24,948	9,114	8,268
West North Central	31,363	25,297	24.0%	31,363	25,297	--	--
South Atlantic	37,435	31,645	18.3%	34,202	28,219	3,233	3,425
East South Central	19,715	15,230	29.5%	W	15,230	W	--
West South Central	27,094	21,787	24.4%	16,257	13,584	10,837	8,203
Mountain	21,179	19,280	9.8%	20,040	18,186	1,138	1,094
Pacific Contiguous	W	1,465	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**184,661**	**156,196**	**18.2%**	**151,440**	**128,170**	**33,222**	**28,026**
Petroleum Liquids (Thousand Barrels)							
New England	2,065	2,956	-30.1%	451	718	1,615	2,238
Middle Atlantic	5,543	6,640	-16.5%	2,442	2,882	3,101	3,758
East North Central	1,318	1,713	-23.1%	1,088	1,420	230	293
West North Central	1,049	1,341	-21.7%	1,019	1,304	30	37
South Atlantic	13,394	14,246	-6.0%	11,136	11,925	2,259	2,321
East South Central	1,918	1,813	5.8%	W	W	W	W
West South Central	2,499	2,723	-8.2%	1,895	2,035	604	688
Mountain	693	657	5.4%	W	W	W	W
Pacific Contiguous	380	419	-9.4%	324	323	56	96
Pacific Noncontiguous	2,873	2,783	3.2%	W	W	W	W
U.S. Total	**31,734**	**35,293**	**-10.1%**	**23,701**	**25,756**	**8,033**	**9,536**
Petroleum Coke (Thousand Tons)							
New England	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
East North Central	W	50	W	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	29	W	--	--	W	29
Pacific Noncontiguous	--	--	--	--	--	--	--
U.S. Total	**398**	**440**	**-9.6%**	**339**	**346**	**59**	**94**

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 - October 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	55,746	59,884	3,967	121,567
2004	47,426	53,618	4,029	106,669
2005	52,039	44,377	3,836	101,137
2006	66,668	68,408	4,797	140,964
2007	63,297	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

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 - October 2012

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)	AVG % Sulfur	Percentage of Consumption
Annual Totals												
2002	17,981,987	884,287	1.25	25.52	0.9	88.0	623,354	98,581	3.87	24.45	0.9	67.2
2003	19,989,772	986,026	1.28	26.00	1.0	95.6	980,983	156,338	4.94	31.02	0.8	82.6
2004	20,188,633	1,002,032	1.36	27.42	1.0	95.9	958,046	151,821	5.00	31.58	0.9	81.7
2005	20,647,307	1,021,437	1.54	31.20	1.0	95.9	986,258	157,221	7.59	47.61	0.8	84.7
2006	21,735,101	1,079,943	1.69	34.09	1.0	102.5	406,869	65,002	8.68	54.35	0.7	74.0
2007	21,152,358	1,054,664	1.77	35.48	1.0	98.6	375,260	60,068	9.59	59.93	0.7	62.6
2008	21,280,258	1,069,709	2.07	41.14	1.0	100.5	375,684	61,139	15.52	95.38	0.6	99.6
2009	19,437,966	981,477	2.21	43.74	1.0	102.8	330,043	54,181	10.25	62.47	0.5	104.8
2010	19,289,661	979,918	2.27	44.64	1.2	97.9	275,058	45,472	14.02	84.80	0.5	101.1
2011	18,528,101	948,668	2.39	46.70	1.2	99.2	216,752	36,158	19.94	119.54	0.6	116.1
2010												
January	1,516,857	77,092	2.23	43.79	1.1	83.1	33,911	5,604	13.38	80.98	0.6	90.5
February	1,454,951	73,655	2.27	44.80	1.2	89.8	18,686	3,101	13.60	81.93	0.5	116.6
March	1,678,040	84,412	2.31	45.98	1.2	107.7	19,184	3,174	13.85	83.71	0.5	126.3
April	1,569,056	78,733	2.29	45.71	1.2	113.8	12,112	2,039	14.82	88.02	0.4	86.2
May	1,584,118	80,404	2.26	44.59	1.2	103.5	21,833	3,593	13.77	83.68	0.6	102.4
June	1,556,526	79,414	2.25	44.05	1.2	89.2	25,290	4,149	13.30	81.08	0.6	86.6
July	1,622,967	83,033	2.27	44.37	1.1	85.8	31,476	5,147	13.33	81.53	0.5	91.6
August	1,757,445	88,879	2.30	45.43	1.2	92.0	28,352	4,619	13.29	81.55	0.6	100.8
Sept	1,655,524	84,275	2.28	44.70	1.2	103.7	25,145	4,105	13.41	82.16	0.6	130.0
October	1,689,804	85,931	2.27	44.57	1.2	118.4	17,375	2,892	14.93	89.71	0.4	119.2
November	1,601,707	81,626	2.26	44.27	1.2	109.6	19,248	3,286	15.77	92.35	0.4	135.1
December	1,602,665	82,464	2.23	43.34	1.2	91.0	22,447	3,764	16.45	98.12	0.4	79.7
2011												
January	1,608,143	82,379	2.32	45.39	1.2	89.3	22,658	3,777	16.79	100.70	0.7	97.8
February	1,454,404	73,875	2.35	46.29	1.2	97.9	15,830	2,657	17.98	107.13	0.7	108.6
March	1,565,674	80,452	2.34	45.56	1.1	108.0	18,710	3,111	19.48	117.17	0.6	124.8
April	1,453,795	74,389	2.38	46.50	1.2	108.1	17,501	2,907	20.17	121.42	0.4	106.2
May	1,477,567	75,079	2.43	47.88	1.2	99.7	22,348	3,663	19.03	116.10	0.8	142.1
June	1,482,372	75,431	2.40	47.18	1.2	87.8	21,398	3,546	21.43	129.32	0.7	134.2
July	1,513,128	77,174	2.45	47.95	1.2	80.3	17,161	2,880	21.34	127.15	0.5	90.1
August	1,672,553	84,971	2.47	48.63	1.2	90.3	14,448	2,409	19.26	115.53	0.5	93.6
Sept	1,620,960	83,169	2.44	47.52	1.2	106.0	14,745	2,463	20.87	124.97	0.6	116.5
October	1,606,941	82,470	2.39	46.57	1.2	115.6	19,618	3,265	20.99	126.11	0.5	152.2
November	1,520,071	78,595	2.37	45.85	1.2	114.3	17,081	2,898	21.12	124.45	0.5	136.5
December	1,552,493	80,685	2.34	45.12	1.2	107.0	15,253	2,582	21.73	128.38	0.6	115.4
2012												
January	1,509,404	78,597	2.43	46.67	1.2	108.0	15,063	2,523	21.71	129.57	0.5	116.5
February	1,361,534	70,174	2.40	46.53	1.3	108.6	10,834	1,822	22.24	132.26	0.5	102.9
March	1,297,040	66,648	2.41	46.86	1.3	112.7	12,009	1,993	22.11	133.21	0.5	109.6
April	1,186,122	60,281	2.44	48.01	1.3	112.9	10,588	1,785	23.49	139.30	0.5	91.4
May	1,264,178	64,833	2.44	47.54	1.3	100.2	12,000	2,029	22.76	134.57	0.5	95.1
June	1,307,867	67,646	2.38	46.01	1.3	92.2	14,859	2,479	21.84	130.96	0.5	94.1
July	1,416,145	73,473	2.41	46.54	1.2	83.2	15,113	2,519	20.37	122.21	0.5	86.6
August	1,521,653	78,387	2.42	46.99	1.2	92.7	13,466	2,260	20.97	124.94	0.5	101.0
Sept	1,399,185	72,702	2.39	46.04	1.2	102.3	9,982	1,658	21.97	132.25	0.5	90.9
October	1,411,063	72,944	2.38	46.00	1.3	106.5	11,202	1,884	22.48	133.61	0.5	89.5
Year to Date												
2010	16,085,289	815,828	2.27	44.81	1.2	97.6	233,363	38,423	13.64	82.84	0.5	101.6
2011	15,455,537	789,388	2.40	46.95	1.2	97.2	184,418	30,678	19.69	118.34	0.6	114.5
2012	13,674,192	705,687	2.41	46.69	1.3	100.8	125,115	20,953	21.91	130.82	0.5	97.2
Rolling 12 Months Ending in October												
2011	18,659,909	953,478	2.37	46.41	1.2	97.6	226,113	37,727	19.03	114.06	0.6	111.1
2012	16,746,756	864,967	2.40	46.47	1.2	102.4	157,449	26,433	21.81	129.88	0.5	102.0

* = 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 *.) W = Withheld to avoid disclosure of individual company data.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-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.
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 - October 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(billion Btu)	(1000 tons)	(dollars per MMbtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)	Percentage of Consumption	(dollars per MMBtu)
Annual Totals												
2002	127,362	4,454	0.78	22.32	5.0	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	5.3	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	5.1	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	5.2	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	5.2	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	5.1	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	5.0	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	4.6	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	4.8	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	4.8	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	4.7	103.8	674,318	659,430	6.71	6.86	102.5	3.74
February	9,904	347	1.80	51.44	4.6	70.0	591,685	578,727	6.07	6.20	102.3	3.45
March	13,712	482	2.09	59.50	4.5	92.3	574,306	561,969	5.29	5.40	102.8	3.16
April	14,428	506	2.18	62.25	5.0	110.5	581,459	568,443	4.71	4.82	102.2	3.01
May	12,976	455	2.22	63.33	4.8	91.2	677,034	662,077	4.79	4.90	102.3	3.12
June	14,387	506	2.15	61.02	5.0	86.3	827,276	809,085	5.12	5.24	101.6	3.34
July	16,160	573	2.42	68.18	4.7	93.5	1,033,717	1,011,011	5.18	5.30	101.4	3.51
August	17,868	629	2.65	75.40	4.8	123.3	1,083,879	1,060,006	4.92	5.03	101.3	3.39
Sept	15,268	536	2.67	76.05	4.8	112.7	822,221	803,862	4.45	4.55	101.6	3.10
October	15,041	526	2.43	69.44	4.7	116.1	693,955	678,492	4.30	4.39	102.5	2.94
November	10,931	391	2.22	62.07	5.0	94.4	613,152	600,163	4.35	4.44	102.5	2.94
December	13,307	467	2.57	73.40	5.0	93.5	694,392	679,805	5.43	5.54	102.2	3.32
2011												
January	12,896	454	3.13	88.98	4.9	70.4	680,054	665,974	5.39	5.50	104.6	3.37
February	11,527	403	2.84	81.35	4.6	77.4	609,064	595,778	5.09	5.20	104.5	3.27
March	12,293	426	3.09	89.22	4.5	70.8	606,123	593,446	4.64	4.73	104.2	3.12
April	12,668	442	3.20	91.85	4.4	103.3	650,493	637,322	4.86	4.96	104.5	3.29
May	13,128	459	3.31	94.62	4.4	101.5	706,626	692,561	4.89	4.98	104.0	3.39
June	13,265	461	2.78	79.94	4.7	88.6	837,715	820,788	5.04	5.15	103.4	3.52
July	17,899	622	3.30	94.84	4.7	103.9	1,093,652	1,070,256	4.98	5.08	102.4	3.62
August	16,950	592	3.08	88.16	4.9	108.6	1,085,691	1,062,490	4.73	4.83	103.2	3.44
Sept	16,087	562	2.93	83.88	4.8	103.2	833,540	814,910	4.56	4.66	104.2	3.26
October	15,481	541	3.32	94.90	5.0	126.3	710,451	695,275	4.33	4.43	104.4	3.14
November	13,235	464	2.58	73.69	5.3	134.6	676,984	662,933	4.10	4.19	104.3	3.04
December	15,672	554	2.74	77.61	5.0	120.4	760,258	744,430	4.04	4.12	103.7	3.02
2012												
January	13,403	471	2.71	77.10	5.2	83.9	793,143	776,898	3.67	3.75	102.9	2.98
February	10,381	359	2.57	74.14	5.3	80.0	781,762	765,061	3.32	3.39	102.6	2.83
March	11,903	417	2.43	69.44	5.6	115.9	811,545	794,248	2.96	3.03	102.5	2.73
April	10,386	362	2.64	75.81	5.4	114.3	862,401	841,659	2.68	2.75	103.4	2.65
May	9,505	333	2.68	76.63	5.6	93.8	960,458	940,516	2.90	2.97	102.5	2.75
June	11,735	404	2.73	79.35	5.1	110.8	1,033,425	1,010,287	3.08	3.16	102.4	2.81
July	8,808	307	2.93	84.15	5.6	79.7	1,254,234	1,225,606	3.41	3.49	101.9	2.98
August	9,706	338	2.51	71.98	5.2	82.0	1,158,219	1,133,046	3.48	3.56	101.8	2.97
Sept	14,700	513	2.43	69.83	5.3	126.3	953,050	931,793	3.38	3.46	102.6	2.87
October	11,282	394	2.07	59.11	5.7	104.1	815,864	797,656	3.81	3.90	103.1	3.00
Year to Date												
2010	145,270	5,105	2.26	64.29	4.8	99.3	7,559,851	7,393,102	5.12	5.24	102.0	3.28
2011	142,193	4,963	3.11	89.02	4.7	93.9	7,813,410	7,648,801	4.84	4.95	103.8	3.35
2012	111,810	3,898	2.56	73.42	5.4	97.7	9,424,101	9,216,771	3.27	3.35	102.5	2.86
Rolling 12 Months Ending in October												
2011	166,430	5,820	3.01	85.96	4.7	93.9	9,120,954	8,928,769	4.86	4.96	103.6	3.31
2012	140,717	4,915	2.58	73.92	5.3	102.6	10,861,343	10,624,135	3.38	3.45	102.7	2.89

(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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-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.
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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities 2002 - October 2012

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)	AVG % Sulfur	Percentage of Consumption
Annual Totals												
2002	13,967,326	687,747	1.22	24.74	0.9	89.6	407,442	63,809	3.74	23.88	1.0	72.0
2003	15,292,394	746,594	1.26	25.82	0.9	98.6	605,651	95,534	4.68	29.66	1.0	90.7
2004	15,440,681	758,557	1.34	27.30	0.9	98.2	592,478	93,034	4.80	30.57	1.0	89.6
2005	15,836,924	775,890	1.53	31.22	0.9	101.9	566,320	89,303	7.17	45.46	0.9	90.9
2006	16,197,852	797,361	1.69	34.26	0.9	105.8	269,033	42,415	8.33	52.80	0.8	79.2
2007	15,561,395	767,377	1.78	36.06	0.9	100.3	216,349	34,026	9.24	58.73	0.8	59.8
2008	15,347,396	764,399	2.06	41.32	0.9	100.5	240,937	38,891	15.83	98.09	0.6	99.7
2009	14,402,019	719,253	2.22	44.47	1.0	103.4	202,598	32,959	10.44	64.18	0.5	103.5
2010	14,226,995	713,094	2.27	45.33	1.1	98.8	189,790	31,099	13.94	85.07	0.5	101.0
2011	13,723,817	691,484	2.41	47.75	1.2	100.3	144,255	23,859	20.30	122.72	0.5	114.5
2010												
January	1,101,993	55,521	2.21	43.89	1.1	82.6	23,632	3,860	13.16	80.54	0.5	88.1
February	1,073,034	53,695	2.26	45.26	1.2	90.6	13,223	2,179	13.59	82.50	0.4	136.3
March	1,231,470	61,038	2.32	46.85	1.2	108.5	11,782	1,943	14.11	85.52	0.3	109.5
April	1,168,587	57,821	2.30	46.45	1.2	115.7	8,388	1,398	14.96	89.76	0.2	85.6
May	1,168,195	58,565	2.27	45.27	1.1	103.0	16,261	2,649	13.61	83.58	0.6	102.2
June	1,169,040	58,803	2.24	44.62	1.1	90.6	18,097	2,937	13.16	81.08	0.6	80.1
July	1,209,770	60,990	2.27	44.95	1.1	87.2	21,588	3,497	13.29	82.07	0.5	98.6
August	1,294,681	64,603	2.30	46.16	1.1	92.5	20,667	3,331	13.08	81.14	0.6	103.1
Sept	1,208,559	60,693	2.28	45.47	1.1	104.3	18,501	2,988	13.35	82.68	0.6	138.8
October	1,235,011	61,883	2.29	45.68	1.2	120.5	11,210	1,858	14.98	90.39	0.4	117.5
November	1,172,469	58,841	2.27	45.29	1.2	111.1	12,889	2,191	15.82	93.06	0.4	147.4
December	1,194,186	60,641	2.23	43.90	1.1	93.8	13,552	2,267	16.79	100.36	0.3	71.7
2011												
January	1,181,833	59,577	2.34	46.34	1.2	90.2	14,279	2,372	16.98	102.20	0.5	107.5
February	1,078,032	54,003	2.36	47.10	1.2	99.2	9,943	1,659	18.27	109.47	0.5	104.4
March	1,160,136	58,691	2.35	46.38	1.1	108.5	13,842	2,284	19.55	118.45	0.5	131.5
April	1,081,336	54,492	2.39	47.40	1.2	110.2	11,543	1,898	20.30	123.47	0.4	90.8
May	1,089,570	54,652	2.45	48.80	1.2	99.4	16,158	2,618	19.03	117.46	0.8	138.8
June	1,109,431	55,560	2.40	47.87	1.2	88.6	15,427	2,528	21.88	133.55	0.7	144.9
July	1,119,264	56,067	2.46	49.04	1.2	80.2	9,455	1,569	21.86	131.77	0.5	82.3
August	1,238,455	61,790	2.49	49.93	1.2	90.7	9,575	1,579	20.63	125.10	0.4	90.3
Sept	1,200,682	60,402	2.46	48.91	1.2	108.2	10,186	1,683	20.94	126.69	0.5	118.0
October	1,186,062	59,898	2.42	47.86	1.2	118.3	13,068	2,171	21.63	130.21	0.5	146.6
November	1,120,387	56,990	2.39	47.03	1.2	116.6	11,052	1,853	21.75	129.72	0.5	124.5
December	1,158,628	59,362	2.37	46.27	1.2	109.6	9,729	1,645	21.94	129.73	0.5	106.9
2012												
January	1,071,237	55,226	2.39	46.43	1.1	105.3	9,820	1,644	21.83	130.44	0.5	110.6
February	984,158	50,342	2.41	47.15	1.2	107.3	7,252	1,218	22.37	133.21	0.4	96.4
March	951,580	48,567	2.44	47.85	1.2	111.9	9,055	1,494	22.99	139.37	0.5	112.3
April	864,158	43,369	2.50	49.77	1.3	108.5	7,261	1,221	23.94	142.34	0.5	85.8
May	918,103	46,411	2.47	48.87	1.3	98.8	7,559	1,279	23.34	137.95	0.5	87.1
June	942,668	48,073	2.42	47.47	1.2	89.4	10,360	1,717	22.37	134.98	0.5	96.7
July	1,039,588	53,081	2.44	47.75	1.2	82.3	10,626	1,756	20.68	125.20	0.4	86.0
August	1,107,673	56,337	2.44	48.04	1.2	91.4	8,974	1,497	21.26	127.42	0.4	93.4
Sept	1,000,036	51,262	2.43	47.44	1.1	99.3	7,039	1,157	22.01	133.88	0.4	88.6
October	1,005,392	51,322	2.41	47.18	1.2	104.1	7,745	1,291	22.52	135.11	0.4	86.6
Year to Date												
2010	11,860,340	593,612	2.28	45.48	1.1	98.3	163,348	26,640	13.55	83.11	0.5	101.8
2011	11,444,802	575,132	2.41	47.98	1.2	98.1	123,474	20,361	20.04	121.52	0.5	114.3
2012	9,884,592	503,989	2.43	47.75	1.2	98.7	85,691	14,273	22.25	133.59	0.5	94.0
Rolling 12 Months Ending in October												
2011	13,811,457	694,614	2.38	47.39	1.2	98.7	149,915	24,820	19.38	117.07	0.5	110.5
2012	12,163,607	620,341	2.42	47.54	1.2	101.1	106,473	17,770	22.17	132.83	0.5	97.6

* = 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 *.) W = Withheld to avoid disclosure of individual company data.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-423, Monthly Cost and Quality of Fuels for Electric Plants Report and Federal Energy Regulatory Commission,
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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;
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Table 4.2. Receipts Average Cost and Quality of Fossil Fuels: Electric Utilities 2002 - October 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(billion Btu)	(1000 tons)	(dollars per MMbtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)	Percentage of Consumption	(dollars per MMBtu)
Annual Totals												
2002	75,711	2,677	0.63	17.68	5.0	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	5.5	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	5.1	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	5.2	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	5.1	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	5.1	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	5.4	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	5.0	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	5.0	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	4.7	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	5.4	112.1	254,841	249,848	6.93	7.07	102.0	3.26
February	5,337	188	1.96	55.49	5.1	72.9	217,554	213,267	6.39	6.52	100.6	3.06
March	8,021	284	2.24	63.36	5.0	92.2	214,554	210,587	5.72	5.83	101.3	2.91
April	9,899	347	2.30	65.45	5.0	137.3	218,064	213,690	5.20	5.30	101.6	2.82
May	7,673	269	2.32	66.03	5.0	103.1	270,661	265,218	5.20	5.30	101.3	2.94
June	8,998	317	2.22	63.05	5.3	99.2	324,142	317,528	5.42	5.54	101.0	3.05
July	9,979	354	2.50	70.63	4.7	103.9	399,566	391,191	5.47	5.58	100.8	3.19
August	11,742	410	2.69	76.96	4.9	143.5	421,843	413,154	5.24	5.35	100.4	3.14
Sept	10,150	355	2.71	77.34	4.9	120.0	315,571	308,882	4.81	4.92	100.9	2.93
October	8,639	301	2.51	72.03	4.9	123.2	269,281	263,756	4.77	4.87	101.4	2.82
November	5,740	208	2.28	62.94	5.2	103.3	226,257	222,019	4.73	4.83	101.2	2.79
December	7,933	277	2.75	78.60	5.1	101.0	263,628	258,780	5.64	5.75	101.8	2.97
2011												
January	8,049	282	3.35	95.62	5.1	70.5	250,362	245,767	5.49	5.59	103.0	3.03
February	7,252	252	3.02	87.15	4.6	85.3	219,131	214,884	5.34	5.45	102.9	2.98
March	7,009	241	3.32	96.60	4.7	70.2	224,855	220,793	4.95	5.04	101.5	2.94
April	7,274	252	3.52	101.68	4.7	115.4	255,479	251,362	5.19	5.27	103.1	3.07
May	7,519	261	3.57	102.83	4.3	112.7	278,209	273,629	5.17	5.25	101.8	3.19
June	8,072	278	2.85	82.53	4.5	92.2	341,274	335,202	5.28	5.37	101.5	3.27
July	10,742	374	3.41	98.06	4.5	104.0	443,001	434,122	5.11	5.22	100.9	3.32
August	10,040	349	3.18	91.43	4.8	105.9	434,451	425,557	4.97	5.07	101.1	3.23
Sept	9,822	341	2.94	84.64	4.5	102.3	316,215	311,382	4.89	4.97	101.5	3.09
October	8,352	289	3.23	93.48	4.9	126.2	275,463	270,541	4.71	4.80	101.4	3.02
November	7,303	253	2.11	60.87	5.2	163.4	250,718	246,675	4.50	4.57	101.8	2.92
December	7,774	273	2.34	66.68	4.7	108.4	282,188	277,700	4.40	4.47	102.5	2.89
2012												
January	6,132	214	2.20	63.20	4.8	71.9	290,015	285,394	4.04	4.10	100.8	2.88
February	5,195	179	2.09	60.77	5.2	77.8	284,558	279,812	3.71	3.77	101.7	2.81
March	5,557	194	1.93	55.37	5.8	181.7	305,709	300,446	3.37	3.43	101.4	2.81
April	4,870	169	1.98	57.09	5.1	140.6	337,428	328,913	3.10	3.18	101.7	2.79
May	3,840	133	2.03	58.69	5.4	88.8	392,902	385,135	3.25	3.31	101.6	2.82
June	5,504	188	2.40	70.40	4.6	110.8	419,741	411,327	3.40	3.47	101.0	2.87
July	3,695	127	2.64	76.56	5.4	70.0	518,204	507,149	3.62	3.70	101.1	2.95
August	5,434	188	2.62	75.86	4.6	110.5	464,442	455,029	3.79	3.87	101.2	2.94
Sept	8,450	294	2.50	71.95	4.9	156.6	373,691	366,571	3.72	3.80	101.2	2.88
October	7,203	251	2.07	59.25	5.5	161.4	317,850	312,024	4.16	4.24	101.9	2.94
Year to Date												
2010	89,479	3,143	2.35	66.99	5.0	110.3	2,906,077	2,847,120	5.46	5.58	101.1	3.02
2011	84,131	2,919	3.23	93.21	4.7	96.0	3,038,442	2,983,238	5.10	5.19	101.7	3.12
2012	55,880	1,935	2.25	64.97	5.1	109.5	3,704,539	3,631,801	3.60	3.68	101.3	2.87
Rolling 12 Months Ending in October												
2011	97,804	3,404	3.14	90.17	4.7	96.8	3,528,327	3,464,037	5.12	5.21	101.7	3.08
2012	70,957	2,461	2.25	64.74	5.1	113.2	4,237,445	4,156,176	3.71	3.78	101.4	2.88

(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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-423, Monthly Cost and Quality of Fuels for Electric Plants Report and Federal Energy Regulatory Commission,
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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;
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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers 2002 - October 2012

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)	AVG % Sulfur	Percentage of Consumption
Annual Totals												
2002	3,710,847	182,482	1.37	27.96	1.2	87.0	186,271	30,043	4.19	25.98	0.6	76.4
2003	4,365,996	223,984	1.34	26.20	1.2	90.4	347,546	56,138	5.41	33.50	0.6	89.7
2004	4,410,775	227,700	1.41	27.27	1.1	93.3	337,011	54,152	5.35	33.31	0.6	93.6
2005	4,459,333	229,071	1.56	30.39	1.1	83.0	381,871	61,753	8.30	51.34	0.5	97.2
2006	5,204,402	266,856	1.69	33.04	1.1	97.7	117,524	19,236	9.65	58.98	0.5	104.9
2007	5,275,454	273,216	1.71	33.11	1.1	97.5	125,025	20,486	10.49	64.01	0.5	85.0
2008	5,395,142	281,258	2.03	38.98	1.0	100.4	82,124	13,657	16.30	98.03	0.4	94.4
2009	4,563,080	240,687	2.11	39.94	1.1	101.1	68,030	11,408	10.02	59.76	0.4	102.0
2010	4,555,898	243,585	2.20	41.15	1.2	96.0	49,598	8,420	14.80	87.19	0.4	89.9
2011	4,292,284	233,295	2.28	41.95	1.3	95.9	41,599	7,096	20.30	119.01	0.5	106.9
2010												
January	376,680	19,830	2.21	42.01	1.2	85.3	5,186	895	14.92	86.41	0.3	75.4
February	343,015	18,198	2.21	41.75	1.2	88.3	2,397	416	14.78	85.23	0.3	78.2
March	401,656	21,348	2.23	41.96	1.2	107.5	4,487	747	13.69	82.23	0.6	201.3
April	359,489	19,062	2.23	41.96	1.3	113.2	2,017	354	15.12	86.17	0.3	90.2
May	374,626	19,964	2.19	41.15	1.3	106.5	2,963	508	15.27	89.08	0.4	86.2
June	342,601	18,471	2.19	40.68	1.2	83.4	4,357	738	14.22	83.97	0.3	87.9
July	370,780	20,113	2.23	41.09	1.1	81.8	6,753	1,125	13.66	81.95	0.4	67.0
August	414,300	21,970	2.23	42.11	1.3	90.1	4,622	777	14.55	86.52	0.3	75.1
Sept	404,409	21,646	2.20	41.04	1.2	103.2	4,031	678	13.97	83.02	0.3	95.5
October	412,301	22,106	2.15	40.10	1.2	115.5	3,720	626	15.45	91.85	0.4	135.1
November	387,870	20,899	2.15	39.94	1.2	106.9	3,898	679	16.19	92.92	0.4	120.4
December	368,173	19,977	2.18	40.13	1.2	84.9	5,167	876	16.62	97.98	0.3	87.6
2011												
January	381,239	20,717	2.23	40.96	1.2	86.5	4,653	783	17.44	103.58	0.6	71.2
February	336,384	18,030	2.26	42.18	1.3	94.7	3,276	560	18.64	108.99	0.8	118.7
March	363,257	19,787	2.26	41.58	1.2	107.9	2,270	392	21.18	122.73	0.6	92.1
April	330,831	17,944	2.28	42.03	1.2	102.6	3,235	550	21.43	126.18	0.3	144.8
May	348,283	18,569	2.32	43.58	1.3	101.0	2,752	466	21.66	127.89	0.6	108.5
June	330,390	17,898	2.34	43.25	1.2	84.4	3,232	553	20.81	121.69	0.5	87.0
July	351,423	19,120	2.35	43.14	1.2	79.4	5,604	955	21.18	124.33	0.4	91.4
August	386,958	20,994	2.34	43.11	1.3	87.9	2,883	497	16.66	96.71	0.5	86.7
Sept	377,183	20,755	2.31	42.04	1.3	100.2	2,674	462	22.29	129.10	0.5	107.1
October	379,229	20,611	2.25	41.35	1.3	109.6	3,946	655	20.28	122.12	0.5	178.5
November	357,960	19,649	2.24	40.77	1.2	108.9	3,617	635	20.57	117.22	0.4	175.8
December	349,148	19,221	2.18	39.64	1.2	100.0	3,457	589	22.35	131.11	0.5	140.6
2012												
January	395,909	21,374	2.47	45.69	1.4	117.1	3,281	553	22.44	133.05	0.4	129.6
February	341,535	18,131	2.30	43.41	1.5	114.5	2,052	350	23.38	137.28	0.5	115.8
March	308,388	16,328	2.23	42.12	1.4	117.5	1,255	214	23.38	137.18	0.6	79.5
April	285,836	15,226	2.19	41.10	1.4	129.2	1,673	288	24.29	141.28	0.5	97.4
May	309,477	16,715	2.27	41.99	1.4	105.1	2,294	393	23.23	135.75	0.4	83.8
June	328,369	17,858	2.19	40.28	1.6	100.1	2,945	501	21.41	125.93	0.5	81.0
July	337,466	18,544	2.28	41.44	1.3	84.5	2,719	466	20.63	120.35	0.5	71.5
August	371,102	20,042	2.29	42.41	1.5	95.4	2,170	375	21.92	126.67	0.4	85.0
Sept	360,763	19,635	2.22	40.78	1.4	110.9	1,790	309	22.99	133.15	0.5	90.2
October	366,972	19,797	2.23	41.37	1.4	114.6	2,177	376	23.20	134.14	0.5	97.9
Year to Date												
2010	3,799,855	202,709	2.21	41.38	1.2	96.3	40,533	6,865	14.44	85.25	0.4	88.0
2011	3,585,176	194,424	2.29	42.30	1.3	94.4	34,525	5,872	20.07	117.99	0.5	100.3
2012	3,405,816	183,650	2.27	42.13	1.4	107.1	22,355	3,825	22.51	131.57	0.5	91.1
Rolling 12 Months Ending in October												
2011	4,341,219	235,300	2.27	41.91	1.2	94.5	43,590	7,427	19.31	113.34	0.5	100.1
2012	4,112,924	222,520	2.26	41.79	1.4	106.6	29,430	5,049	22.25	129.71	0.5	101.4

* = 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 *.) W = Withheld to avoid disclosure of individual company data.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-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.
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 4.3. Receipts Average Cost and Quality of Fossil Fuels: Independent Power Producers 2002 - October 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(billion Btu)	(1000 tons)	(dollars per MMbtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)	Percentage of Consumption	(dollars per MMBtu)
Annual Totals												
2002	47,805	1,639	1.03	29.98	4.9	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	4.9	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	5.0	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	5.1	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	5.1	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	4.9	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	4.6	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	3.9	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	3.8	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	4.6	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	3.4	101.7	308,109	301,125	6.75	6.90	100.1	4.32
February	2,918	101	1.48	42.64	3.5	77.2	274,889	268,803	5.95	6.08	100.4	3.91
March	3,499	121	1.63	47.30	3.3	101.4	256,384	250,712	5.06	5.17	100.7	3.39
April	1,376	47	1.08	31.18	4.3	40.8	267,989	261,844	4.48	4.58	100.2	3.22
May	2,468	86	1.78	50.77	3.8	62.4	306,425	299,565	4.55	4.65	100.6	3.30
June	2,619	91	1.75	50.31	4.0	60.0	401,342	392,478	5.01	5.12	100.3	3.77
July	2,705	95	1.94	55.02	4.5	58.5	522,419	510,999	5.04	5.15	100.4	3.94
August	1,779	64	2.26	63.33	4.0	59.1	546,215	534,075	4.72	4.82	100.5	3.70
Sept	1,349	47	2.36	67.67	3.0	61.5	401,881	393,000	4.27	4.36	100.6	3.28
October	3,342	117	2.01	57.26	3.9	116.1	321,547	314,248	4.00	4.09	101.3	3.02
November	2,286	80	1.76	50.12	4.2	80.2	285,549	279,359	4.23	4.33	100.8	3.10
December	1,933	67	1.63	46.81	4.7	57.6	319,863	312,895	5.49	5.62	100.9	3.81
2011												
January	1,730	60	W	W	4.2	46.8	309,865	303,301	5.59	5.71	100.7	W
February	1,809	64	W	W	4.2	52.2	283,811	277,469	5.06	5.17	100.9	W
March	2,563	89	W	W	3.4	54.8	271,713	265,931	4.57	4.67	100.6	W
April	3,046	106	2.36	67.43	3.6	103.0	284,857	278,599	4.71	4.82	100.4	3.49
May	3,339	116	2.44	70.04	4.0	103.9	312,436	305,861	4.75	4.85	100.9	3.54
June	2,623	92	1.99	56.95	4.8	78.6	379,462	371,553	4.95	5.05	100.7	3.80
July	3,119	107	2.39	69.60	4.6	75.3	520,203	508,834	4.94	5.05	100.1	4.00
August	3,166	110	W	W	4.8	90.6	515,581	504,743	4.57	4.67	100.9	W
Sept	2,511	88	W	W	4.9	83.4	391,415	382,298	4.39	4.49	101.3	W
October	3,603	126	W	W	5.1	139.5	320,549	313,229	4.12	4.22	101.6	W
November	2,652	94	W	W	5.5	108.9	308,988	301,865	3.92	4.01	100.5	W
December	3,483	123	W	W	5.1	125.6	353,160	344,934	3.86	3.95	100.6	W
2012												
January	3,243	114	W	W	5.4	119.3	376,574	368,088	3.50	3.58	100.8	W
February	2,701	94	W	W	5.2	108.2	379,546	370,578	3.13	3.21	99.5	W
March	2,988	104	W	W	5.3	120.0	387,419	378,379	2.73	2.79	99.4	W
April	1,982	69	W	W	5.5	165.3	408,056	398,841	2.41	2.46	100.7	W
May	1,978	68	W	W	5.7	120.0	449,118	438,865	2.71	2.78	100.2	W
June	2,703	93	3.32	96.41	5.2	181.5	491,373	479,802	2.90	2.97	100.5	2.68
July	2,507	88	3.46	98.73	5.4	137.2	607,765	593,781	3.31	3.38	100.3	2.99
August	1,149	40	1.79	51.74	5.4	46.2	570,234	556,749	3.29	3.37	99.9	2.94
Sept	1,924	67	1.85	53.44	5.4	96.1	461,763	450,531	3.21	3.29	101.3	2.82
October	991	34	1.32	38.14	5.3	52.1	378,484	368,999	3.66	3.75	101.0	3.01
Year to Date												
2010	25,860	903	1.75	49.99	3.7	73.1	3,607,199	3,526,850	4.94	5.05	100.5	3.59
2011	27,508	958	2.39	68.63	4.4	79.6	3,589,892	3,511,818	4.76	4.86	100.8	3.60
2012	22,166	772	3.08	88.51	5.4	109.5	4,510,333	4,404,613	3.09	3.16	100.3	2.79
Rolling 12 Months Ending in October												
2011	31,727	1,105	W	W	4.4	77.8	4,195,303	4,104,072	4.78	4.88	100.8	W
2012	28,301	988	W	W	5.3	111.2	5,172,482	5,051,412	3.19	3.27	100.4	W

(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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-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.
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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector 2002 - October 2012

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)	AVG % Sulfur	Percentage of Consumption
Annual Totals												
2002	9,580	399	2.10	50.44	2.6	28.4	503	91	5.38	29.73	*	7.5
2003	8,835	372	1.99	47.24	2.4	20.5	248	43	7.00	40.82	*	3.1
2004	10,682	451	2.08	49.32	2.5	23.5	3,066	527	6.19	35.96	0.2	26.9
2005	11,081	464	2.57	61.21	2.4	24.2	1,684	289	8.28	48.22	0.2	18.3
2006	12,207	518	2.63	61.95	2.5	27.5	798	137	13.50	78.70	0.2	15.5
2007	12,419	531	2.67	62.46	2.6	27.6	249	43	14.04	81.93	0.2	6.2
2008	43,997	2,009	2.65	58.12	1.7	99.4	3,800	633	17.84	107.10	0.4	102.0
2009	41,182	1,876	2.90	63.68	1.7	104.3	3,517	583	10.82	65.26	0.5	122.1
2010	37,778	1,747	2.82	61.06	1.8	101.6	2,395	400	15.24	91.25	0.4	106.3
2011	35,892	1,686	2.92	62.24	1.8	101.1	1,959	325	19.67	118.66	0.6	108.0
2010												
January	3,452	162	2.79	59.44	1.7	83.9	NM	NM	NM	NM	0.4	77.6
February	3,364	156	2.87	61.93	1.8	93.2	NM	NM	NM	NM	0.4	73.4
March	3,478	161	2.90	62.65	1.6	107.7	NM	NM	NM	NM	0.5	330.9
April	2,983	137	2.80	61.12	1.5	116.7	NM	NM	NM	NM	0.2	81.8
May	2,820	132	2.71	58.00	1.4	111.4	NM	NM	NM	NM	0.5	106.2
June	2,874	132	2.99	65.29	2.0	97.6	NM	NM	NM	NM	0.4	116.2
July	2,933	132	2.83	62.64	2.1	93.4	NM	NM	NM	NM	0.4	72.4
August	3,381	157	2.79	60.14	1.9	103.2	NM	NM	NM	NM	0.4	58.4
Sept	3,045	141	2.85	61.82	1.8	105.8	NM	NM	NM	NM	0.4	122.5
October	2,864	133	2.82	60.52	1.7	109.9	NM	NM	NM	NM	0.3	283.6
November	3,365	155	2.86	62.19	1.8	121.1	NM	NM	NM	NM	0.4	145.5
December	3,217	151	2.69	57.30	2.0	91.5	NM	NM	NM	NM	0.3	89.2
2011												
January	3,297	155	2.80	59.41	1.8	82.3	NM	NM	NM	NM	0.6	49.1
February	3,289	154	2.88	61.47	1.8	88.9	NM	NM	NM	NM	0.6	104.3
March	3,388	161	2.79	58.87	1.7	97.7	NM	NM	NM	NM	0.6	165.7
April	2,649	126	2.79	58.65	1.9	101.9	NM	NM	NM	NM	0.3	160.4
May	2,730	127	3.08	66.22	1.8	102.4	NM	NM	NM	NM	0.7	127.4
June	3,222	147	3.16	68.99	1.8	113.1	NM	NM	NM	NM	0.7	215.3
July	2,954	137	3.04	65.63	1.9	94.3	NM	NM	NM	NM	0.4	171.7
August	2,881	132	3.12	68.18	1.9	101.9	NM	NM	NM	NM	0.5	126.1
Sept	2,710	126	3.01	64.84	1.8	102.8	NM	NM	NM	NM	0.5	71.7
October	2,789	136	2.74	56.21	1.6	123.7	NM	NM	NM	NM	0.5	225.0
November	2,922	140	2.82	58.95	1.7	119.0	NM	NM	NM	NM	0.5	101.0
December	3,061	145	2.87	60.55	1.7	104.4	NM	NM	NM	NM	0.5	163.2
2012												
January	2,978	143	2.80	58.33	1.8	88.2	NM	NM	21.55	129.06	0.5	106.2
February	2,576	125	2.69	55.65	1.8	88.2	NM	NM	22.45	133.84	0.5	115.0
March	2,695	132	2.72	55.65	1.7	97.7	NM	NM	NM	NM	0.5	77.4
April	2,537	121	2.95	61.89	1.6	105.1	461	78	21.60	127.42	0.5	494.5
May	NM	NM	NM	NM	1.9	94.6	NM	NM	22.65	134.28	0.5	327.9
June	2,500	118	2.89	61.39	2.0	103.1	NM	NM	20.67	121.71	0.5	86.5
July	2,450	117	2.81	58.75	1.9	99.1	NM	NM	NM	NM	0.5	69.2
August	2,656	124	2.93	62.73	2.1	98.3	NM	NM	21.85	129.18	0.5	108.1
Sept	2,453	118	2.73	56.63	1.8	102.0	NM	NM	22.66	134.24	0.5	77.7
October	2,068	99	2.72	56.58	1.9	86.7	120	20	23.08	135.32	0.5	99.8
Year to Date												
2010	31,195	1,441	2.83	61.33	1.8	101.0	2,039	340	14.90	89.37	0.4	107.1
2011	29,910	1,401	2.94	62.74	1.8	99.3	1,701	282	19.38	117.08	0.6	106.2
2012	25,319	1,211	2.82	58.87	1.9	95.9	1,714	289	21.77	129.02	0.5	141.4
Rolling 12 Months Ending in October												
2011	36,492	1,706	2.91	62.21	1.8	100.1	NM	NM	NM	NM	0.5	105.4
2012	NM	NM	NM	NM	1.8	98.4	NM	NM	NM	NM	0.5	138.3

* = 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 *.) W = Withheld to avoid disclosure of individual company data.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-423, Monthly Cost and Quality of Fuels for Electric Plants Report and Federal Energy Regulatory Commission,
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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 - October 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(billion Btu)	(1000 tons)	(dollars per MMbtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 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	5.5	135.3	71,670	69,877	9.01	9.24	105.5	6.94
2009	252	9	1.65	46.54	5.1	102.8	81,134	79,308	5.18	5.30	105.0	4.58
2010	410	15	2.19	60.59	5.7	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	268	9	W	W	5.5	147.4	95,287	93,306	5.20	5.31	107.2	W
2010												
January	38	1	NM	NM	5.5	100.4	7,928	7,757	6.92	7.07	107.0	5.82
February	NM	NM	NM	NM	5.5	99.4	7,189	7,040	6.55	6.69	106.3	5.51
March	41	2	NM	NM	5.5	104.6	7,062	6,916	5.83	5.96	105.1	5.19
April	20	1	NM	NM	5.5	81.3	6,394	6,258	5.09	5.20	104.5	4.48
May	NM	NM	NM	NM	5.5	--	6,102	5,980	5.10	5.21	104.2	4.55
June	NM	NM	NM	NM	5.5	--	6,583	6,449	5.25	5.36	104.3	4.74
July	NM	NM	NM	NM	5.8	--	8,579	8,397	5.24	5.36	103.5	4.83
August	NM	NM	NM	NM	5.8	98.0	9,335	9,139	5.09	5.20	103.8	4.58
Sept	NM	NM	NM	NM	5.8	83.1	7,936	7,765	4.65	4.75	103.8	4.30
October	42	2	NM	NM	5.8	120.6	7,954	7,785	4.69	4.80	104.8	4.47
November	NM	NM	NM	NM	5.8	93.1	7,758	7,601	4.67	4.76	106.6	4.24
December	58	2	NM	NM	5.8	110.3	9,235	9,043	5.63	5.75	106.9	5.09
2011												
January	42	1	W	W	5.2	98.3	NM	NM	6.00	6.13	107.7	W
February	36	1	W	W	5.3	105.1	NM	NM	5.76	5.88	108.6	W
March	34	1	W	W	5.5	81.8	NM	NM	5.46	5.58	107.0	W
April	NM	NM	W	W	5.5	--	NM	NM	5.40	5.52	106.3	W
May	NM	NM	W	W	5.8	--	NM	NM	5.28	5.39	105.7	W
June	NM	NM	W	W	5.8	--	NM	NM	5.40	5.51	106.3	W
July	NM	NM	W	W	5.8	--	NM	NM	5.24	5.35	104.5	W
August	NM	NM	W	W	5.8	--	NM	NM	5.09	5.20	106.4	W
Sept	NM	NM	W	W	5.8	--	NM	NM	4.92	5.04	108.2	W
October	NM	NM	W	W	5.3	--	NM	NM	4.87	4.98	107.5	W
November	NM	NM	W	W	5.3	62.8	NM	NM	4.68	4.77	110.3	W
December	44	2	W	W	5.3	98.8	NM	NM	4.61	4.70	109.0	W
2012												
January	46	2	W	W	5.2	97.8	NM	NM	4.37	4.46	104.0	W
February	45	2	W	W	5.4	114.1	NM	NM	NM	NM	106.9	W
March	36	1	W	W	5.7	96.2	NM	NM	3.65	3.73	105.7	W
April	NM	NM	W	W	5.3	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	5.8	79.1	NM	NM	3.69	3.78	103.8	W
August	41	1	W	W	5.8	103.3	NM	NM	NM	NM	102.7	W
Sept	37	1	W	W	5.7	94.4	NM	NM	NM	NM	105.4	W
October	42	1	W	W	5.7	97.7	NM	NM	NM	NM	105.3	W
Year to Date												
2010	310	11	2.16	60.00	5.6	131.0	75,062	73,486	5.44	5.55	104.7	4.86
2011	212	7	W	W	5.5	179.9	77,931	76,297	5.32	5.44	106.7	W
2012	276	10	W	W	5.6	98.1	84,544	82,685	3.75	3.83	104.7	W
Rolling 12 Months Ending in October												
2011	NM	NM	W	W	5.6	98.1	NM	NM	5.30	5.41	106.7	W
2012	NM	NM	W	W	5.5	96.1	NM	NM	NM	NM	105.5	W

(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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-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.
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;
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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 - October 2012

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)	AVG % Sulfur	Percentage of Consumption
Annual Totals												
2002	294,234	13,659	1.45	31.29	1.6	52.1	29,137	4,638	3.55	22.33	1.2	26.5
2003	322,547	15,076	1.45	31.01	1.4	60.7	27,538	4,624	4.85	28.86	1.3	23.2
2004	326,495	15,324	1.63	34.79	1.4	57.6	25,491	4,107	4.98	30.93	1.4	18.5
2005	339,968	16,011	1.94	41.17	1.4	61.9	36,383	5,876	6.64	41.13	1.4	26.4
2006	320,640	15,208	2.03	42.76	1.5	60.2	19,514	3,214	7.57	45.95	1.3	21.2
2007	303,091	13,540	2.20	49.16	1.4	60.1	33,637	5,514	8.53	52.06	1.3	38.8
2008	493,724	22,044	2.72	60.96	1.3	100.7	48,822	7,958	12.50	76.69	1.0	109.0
2009	431,686	19,661	2.81	61.68	1.2	99.5	55,899	9,232	9.83	59.52	0.8	112.8
2010	468,991	21,492	2.75	60.08	1.3	87.2	33,276	5,554	13.21	79.15	0.9	125.6
2011	476,108	22,204	2.93	62.86	1.3	99.5	28,939	4,878	17.67	104.83	1.1	144.8
2010												
January	34,732	1,580	2.79	61.38	1.3	75.5	4,869	811	12.80	76.83	0.9	140.8
February	35,539	1,606	2.83	62.50	1.3	81.2	2,888	477	12.58	76.17	1.2	97.5
March	41,435	1,865	2.80	62.26	1.3	87.8	2,546	422	12.80	77.21	1.1	121.4
April	37,998	1,713	2.76	61.15	1.3	77.2	1,616	271	13.57	80.84	1.0	84.1
May	38,477	1,743	2.72	59.95	1.2	86.7	2,427	406	12.92	77.32	0.9	136.6
June	42,012	2,008	2.71	56.76	1.1	105.8	2,655	444	12.67	75.80	0.8	172.6
July	39,484	1,797	2.75	60.33	1.2	84.7	2,876	482	12.77	76.20	0.8	143.4
August	45,083	2,150	2.68	56.26	1.3	98.0	2,922	487	12.69	76.05	0.9	177.9
Sept	39,511	1,795	2.80	61.55	1.2	92.5	2,454	412	12.85	76.49	0.8	152.2
October	39,628	1,808	2.74	60.11	1.3	92.4	NM	NM	NM	NM	0.9	99.6
November	38,003	1,732	2.74	60.17	1.3	93.4	2,347	396	14.71	87.06	0.9	107.5
December	37,089	1,694	2.74	60.05	1.4	75.4	3,487	579	14.82	89.26	0.9	112.4
2011												
January	41,774	1,929	2.88	62.38	1.3	92.7	3,443	575	15.11	90.47	1.3	124.6
February	36,699	1,689	2.89	62.91	1.3	93.8	2,346	394	15.91	94.86	1.3	114.7
March	38,893	1,813	2.86	61.26	1.4	95.8	2,408	404	17.46	104.16	1.2	129.5
April	38,978	1,827	2.93	62.47	1.3	102.3	2,648	446	17.97	106.58	0.9	173.1
May	36,984	1,731	2.97	63.47	1.3	94.3	NM	NM	NM	NM	1.2	225.1
June	39,329	1,826	2.93	63.01	1.3	99.1	2,628	447	19.51	114.66	0.9	176.7
July	39,487	1,850	2.96	63.18	1.3	95.1	1,869	318	19.19	112.81	1.0	141.5
August	44,259	2,057	3.01	64.88	1.4	104.8	1,840	308	16.33	97.49	1.1	132.6
Sept	40,384	1,886	2.91	62.21	1.4	105.5	1,785	301	18.39	109.02	1.0	129.7
October	38,861	1,824	2.94	62.68	1.3	104.4	2,410	407	18.70	110.71	0.9	143.6
November	38,803	1,816	2.94	62.81	1.4	106.1	NM	NM	18.91	110.85	1.0	154.1
December	41,657	1,957	2.96	62.90	1.3	101.7	1,957	329	19.58	116.55	1.2	122.4
2012												
January	39,280	1,854	3.03	64.18	1.4	97.0	1,841	306	19.75	118.70	1.0	131.1
February	33,264	1,577	2.92	61.56	1.5	92.3	1,442	240	19.97	120.07	1.0	124.7
March	34,377	1,622	3.03	64.27	1.4	95.0	1,623	273	16.23	96.58	1.0	134.7
April	33,592	1,566	3.04	65.23	1.5	101.6	1,194	199	20.37	122.45	0.9	90.2
May	34,191	1,593	3.08	66.12	1.6	94.3	1,818	302	19.73	118.75	0.9	166.7
June	34,331	1,597	3.02	64.88	1.6	97.7	1,406	236	19.04	113.35	0.9	111.9
July	36,642	1,731	2.99	63.27	1.5	97.7	NM	NM	17.93	106.67	0.9	149.6
August	40,223	1,884	2.96	63.29	1.5	103.1	2,165	361	18.75	112.52	0.9	214.2
Sept	35,934	1,687	3.00	63.85	1.4	104.6	1,071	178	19.94	119.95	1.1	113.0
October	36,631	1,727	3.00	63.55	1.4	96.2	1,160	197	20.81	122.57	0.8	93.8
Year to Date												
2010	393,899	18,065	2.76	60.07	1.3	88.0	27,443	4,578	12.88	77.19	0.9	129.4
2011	395,648	18,432	2.93	62.86	1.3	98.7	24,718	4,163	17.41	103.35	1.1	146.0
2012	358,465	16,837	3.01	64.00	1.5	97.9	15,355	2,566	19.14	114.51	0.9	130.9
Rolling 12 Months Ending in October												
2011	470,740	21,858	2.90	62.43	1.3	95.9	NM	NM	NM	NM	1.0	137.6
2012	438,924	20,610	3.00	63.79	1.5	98.9	NM	NM	19.16	114.28	1.0	132.3

* = 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 *.) W = Withheld to avoid disclosure of individual company data.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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-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.
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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 - October 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(billion Btu)	(1000 tons)	(dollars per MMbtu)	(dollars per ton)	AVG % Sulfur	Percentage of Consumption	(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)	Percentage of Consumption	(dollars per MMBtu)
Annual Totals												
2002	3,846	138	0.76	21.20	5.9	9.1	852,547	828,439	3.36	3.46	66.8	2.88
2003	16,383	594	1.04	28.74	5.7	47.3	823,681	798,996	5.32	5.48	69.9	4.20
2004	14,876	540	0.98	27.01	5.6	40.4	839,886	814,843	6.04	6.22	68.4	4.76
2005	16,620	594	1.21	33.75	5.4	58.2	828,882	805,132	8.00	8.24	74.3	6.18
2006	17,875	646	1.63	45.05	5.4	42.7	869,157	844,211	7.02	7.22	75.7	5.64
2007	19,700	698	1.96	55.42	5.5	43.6	896,803	871,178	6.97	7.18	82.9	5.78
2008	39,246	1,396	3.34	93.84	4.9	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	4.5	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	4.9	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.0	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2010												
January	NM	NM	1.98	55.72	4.5	85.0	103,441	100,700	6.06	6.23	111.9	5.43
February	NM	NM	1.89	53.71	4.8	53.5	92,052	89,617	5.62	5.77	112.6	4.97
March	NM	NM	2.28	64.61	4.8	80.7	96,305	93,754	4.89	5.02	112.3	4.38
April	3,134	110	2.31	65.60	5.1	125.6	89,012	86,651	4.19	4.31	110.1	3.85
May	2,812	99	2.36	67.00	5.0	99.2	93,846	91,314	4.37	4.49	112.0	4.02
June	NM	NM	2.29	64.41	5.0	84.4	95,210	92,629	4.58	4.71	109.8	4.14
July	3,445	123	2.54	71.36	4.7	112.3	103,153	100,425	4.82	4.95	109.9	4.37
August	4,313	153	2.71	76.26	4.7	133.3	106,486	103,638	4.69	4.82	109.3	4.22
Sept	3,742	133	2.68	75.58	5.0	130.2	96,833	94,214	4.02	4.13	108.3	3.79
October	NM	NM	2.66	75.62	4.9	99.7	95,174	92,702	3.92	4.03	110.4	3.71
November	2,862	101	2.47	69.84	5.2	91.0	93,589	91,184	3.74	3.84	111.3	3.62
December	3,383	120	2.71	76.42	5.2	113.3	101,666	99,087	4.65	4.77	107.5	4.36
2011												
January	3,075	110	3.16	88.56	4.7	96.3	112,015	109,254	4.54	4.65	122.0	4.31
February	2,430	86	2.99	83.98	4.7	84.3	99,431	96,876	4.55	4.67	120.3	4.28
March	2,687	95	3.24	91.51	4.8	100.0	102,958	100,259	4.08	4.19	122.8	3.96
April	2,336	83	W	W	4.5	78.3	103,922	101,255	4.43	4.55	122.0	W
May	2,259	81	W	W	5.0	74.5	108,328	105,579	4.53	4.65	121.4	W
June	2,558	91	W	W	5.0	88.9	109,529	106,731	4.61	4.74	121.7	W
July	4,019	141	W	W	5.1	144.0	120,609	117,663	4.62	4.73	121.0	W
August	3,728	132	W	W	5.2	140.7	126,012	122,745	4.48	4.60	123.4	W
Sept	3,738	132	W	W	5.3	125.0	117,462	112,976	4.19	4.36	124.7	W
October	3,512	126	W	W	5.2	114.9	106,879	104,110	3.96	4.06	123.2	W
November	3,267	117	W	W	5.3	113.3	109,257	106,529	3.69	3.78	123.8	W
December	4,372	156	W	W	5.3	143.8	115,575	112,652	3.67	3.76	117.9	W
2012												
January	3,983	141	W	W	5.6	84.9	117,321	114,370	3.27	3.35	116.6	W
February	2,440	85	W	W	5.7	64.9	108,720	105,929	2.92	3.00	117.5	W
March	3,323	117	W	W	5.6	71.2	109,958	107,145	2.63	2.70	118.9	W
April	3,531	125	W	W	5.7	80.2	108,912	106,067	2.38	2.44	121.4	W
May	3,687	131	W	W	5.7	88.8	110,619	108,849	2.44	2.48	117.3	W
June	3,528	123	2.80	80.06	5.8	85.6	114,191	111,229	2.70	2.78	117.8	2.93
July	2,580	91	W	W	6.1	65.8	119,298	115,922	3.01	3.10	114.9	W
August	3,082	109	W	W	6.1	70.5	115,376	113,292	3.16	3.22	115.9	W
Sept	4,290	151	W	W	6.1	102.2	109,179	106,460	2.91	2.98	114.3	W
October	3,046	107	W	W	6.1	68.9	111,111	108,408	3.29	3.37	114.4	W
Year to Date												
2010	29,621	1,048	2.42	68.53	4.8	100.2	971,513	945,645	4.73	4.86	110.6	4.29
2011	30,342	1,078	W	W	5.0	104.0	1,107,145	1,077,447	4.40	4.52	122.3	W
2012	33,488	1,181	W	W	5.8	78.4	1,124,684	1,097,672	2.88	2.95	116.8	W
Rolling 12 Months Ending in October												
2011	36,588	1,299	W	W	5.0	103.7	1,302,400	1,267,718	4.37	4.49	120.1	W
2012	41,127	1,455	W	W	5.7	84.7	1,349,516	1,316,852	3.01	3.08	117.5	W

(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.
Prior to 2011, coal-derived synthesis gas was categorized as an Other Gas. Now it is included in the coal category.
Prior to 2011, synthesis gas from petroleum coke was categorized as an Other Gas. Now it is included in the petroleum coke category.
Prior to 2011, propane gas was categorized as an Other Gas. Now it is included in the petroleum liquids category.
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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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.
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Monthly Report of Cost and Quality of Fuels for Electric Plants.

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	109	253	-57.0%	18	131	86	117	--	--	NM	NM
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	6	5	19.0%	--	--	5	4	--	--	1	1
Massachusetts	85	117	-27.0%	--	--	81	113	--	--	NM	NM
New Hampshire	18	131	-86.0%	18	131	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,979	4,642	-14.0%	NM	713	3,865	3,809	NM	NM	110	117
New Jersey	97	117	-17.0%	--	--	97	117	--	--	--	--
New York	233	331	-29.0%	NM	1	200	296	NM	NM	31	33
Pennsylvania	3,648	4,194	-13.0%	--	712	3,567	3,395	NM	NM	79	85
East North Central	15,269	17,895	-15.0%	9,586	11,645	5,212	5,758	NM	31	454	461
Illinois	5,468	6,042	-9.5%	629	1,598	4,589	4,183	NM	NM	246	257
Indiana	3,392	3,743	-9.4%	3,016	3,257	361	467	NM	10	NM	NM
Michigan	2,000	2,259	-11.0%	1,959	2,203	10	12	--	10	NM	34
Ohio	2,476	3,680	-33.0%	2,184	2,542	253	1,097	NM	NM	38	40
Wisconsin	1,933	2,170	-11.0%	1,798	2,044	--	--	NM	NM	130	120
West North Central	11,284	13,261	-15.0%	10,845	12,818	--	--	26	28	414	415
Iowa	1,949	2,229	-13.0%	1,697	1,978	--	--	NM	20	234	232
Kansas	1,417	1,712	-17.0%	1,417	1,712	--	--	--	--	--	--
Minnesota	1,255	1,537	-18.0%	1,159	1,440	--	--	NM	NM	94	95
Missouri	3,334	4,327	-23.0%	3,317	4,309	--	--	6	6	NM	NM
Nebraska	1,264	1,276	-1.0%	1,211	1,225	--	--	--	--	NM	51
North Dakota	1,889	2,119	-11.0%	1,866	2,095	--	--	--	--	NM	25
South Dakota	177	60	195.0%	177	60	--	--	--	--	--	--
South Atlantic	10,394	13,097	-21.0%	8,122	10,773	1,974	1,992	NM	NM	288	323
Delaware	92	13	628.0%	--	--	92	13	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,680	1,848	-9.1%	1,578	1,719	80	103	--	--	NM	25
Georgia	1,910	2,942	-35.0%	1,860	2,891	--	--	--	--	50	51
Maryland	581	807	-28.0%	--	--	545	772	--	--	35	35
North Carolina	1,998	2,218	-9.9%	1,876	2,085	78	88	NM	NM	37	42
South Carolina	834	1,291	-35.0%	817	1,249	--	14	--	--	17	27
Virginia	542	1,010	-46.0%	392	765	54	132	NM	NM	92	108
West Virginia	2,758	2,969	-7.1%	1,599	2,064	1,125	869	--	--	34	35
East South Central	7,450	8,191	-9.0%	7,113	7,839	171	165	NM	NM	163	183
Alabama	2,335	2,169	7.6%	2,301	2,134	NM	NM	--	--	29	31
Kentucky	3,337	3,677	-9.3%	3,337	3,677	--	--	--	--	--	--
Mississippi	352	587	-40.0%	185	426	167	161	--	--	--	--
Tennessee	1,427	1,758	-19.0%	1,290	1,602	--	--	NM	NM	133	152
West South Central	13,135	14,353	-8.5%	6,260	7,102	6,800	7,162	--	--	75	89
Arkansas	1,275	1,360	-6.3%	1,035	1,103	231	247	--	--	NM	11
Louisiana	1,482	1,339	11.0%	690	678	790	659	--	--	NM	NM
Oklahoma	1,659	1,800	-7.9%	1,488	1,618	129	135	--	--	NM	48
Texas	8,720	9,853	-12.0%	3,047	3,704	5,651	6,121	--	--	NM	NM
Mountain	10,454	9,895	5.6%	9,101	8,586	1,194	1,151	--	--	158	158
Arizona	2,094	2,033	3.0%	2,058	2,001	--	--	--	--	NM	32
Colorado	1,775	1,913	-7.2%	1,757	1,890	NM	24	--	--	--	--
Idaho	NM	NM	NM	--	--	--	--	--	--	NM	NM
Montana	1,043	1,032	1.0%	NM	31	1,014	997	--	--	NM	NM
Nevada	123	168	-26.0%	48	122	76	46	--	--	--	--
New Mexico	1,260	1,224	3.0%	1,260	1,224	--	--	--	--	--	--
Utah	1,541	1,555	-0.9%	1,485	1,495	NM	43	--	--	15	16
Wyoming	2,607	1,959	33.0%	2,467	1,824	NM	41	--	--	93	94
Pacific Contiguous	718	702	2.4%	250	264	415	373	--	--	52	65
California	97	107	-9.3%	--	--	52	50	--	--	46	57
Oregon	250	264	-5.1%	250	264	--	--	--	--	--	--
Washington	370	330	12.0%	--	--	364	323	--	--	7	8
Pacific Noncontiguous	152	181	-16.0%	NM	NM	79	83	40	63	NM	NM
Alaska	86	110	-21.0%	NM	NM	NM	21	40	63	--	--
Hawaii	66	72	-7.6%	--	--	59	63	--	--	NM	NM
U.S. Total	72,944	82,470	-12.0%	51,322	59,898	19,797	20,611	99	136	1,727	1,824

* = 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 *.)
W = Withheld to avoid disclosure of individual company data.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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) October 2012 and 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	954	3,199	-70.0%	295	856	599	2,271	--	--	59	72
Connecticut	27	349	-92.0%	--	--	27	349	--	--	--	--
Maine	40	50	-20.0%	--	--	25	32	--	--	15	19
Massachusetts	591	1,943	-70.0%	--	--	547	1,890	--	--	44	53
New Hampshire	295	856	-66.0%	295	856	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	36,414	47,518	-23.0%	NM	7,458	35,290	38,750	21	24	1,090	1,286
New Jersey	883	1,840	-52.0%	--	--	883	1,840	--	--	--	--
New York	1,737	4,791	-64.0%	NM	15	1,443	4,432	NM	NM	277	338
Pennsylvania	33,794	40,887	-17.0%	--	7,444	32,965	32,478	NM	18	813	948
East North Central	151,316	170,956	-11.0%	92,336	112,863	54,566	53,218	335	443	4,080	4,432
Illinois	52,077	55,024	-5.4%	5,144	12,845	44,494	39,465	61	71	2,378	2,643
Indiana	32,070	36,812	-13.0%	28,481	32,492	3,357	4,064	148	162	84	94
Michigan	19,378	21,261	-8.9%	18,876	20,651	181	137	67	145	254	328
Ohio	30,903	37,754	-18.0%	23,961	27,783	6,534	9,552	NM	NM	399	409
Wisconsin	16,887	20,105	-16.0%	15,874	19,093	--	--	49	54	964	958
West North Central	118,363	124,467	-4.9%	114,212	120,063	--	--	263	310	3,888	4,094
Iowa	21,136	22,268	-5.1%	18,723	19,751	--	--	184	202	2,228	2,315
Kansas	15,315	16,390	-6.6%	15,315	16,390	--	--	--	--	--	--
Minnesota	11,395	15,062	-24.0%	10,513	14,130	--	--	NM	NM	863	912
Missouri	37,220	37,168	0.1%	37,056	36,952	--	--	60	88	105	128
Nebraska	12,705	12,894	-1.5%	12,221	12,377	--	--	--	--	483	517
North Dakota	19,067	19,213	-0.8%	18,858	18,991	--	--	--	--	209	222
South Dakota	1,525	1,472	3.6%	1,525	1,472	--	--	--	--	--	--
South Atlantic	100,026	124,501	-20.0%	79,707	101,382	17,273	19,495	92	121	2,954	3,502
Delaware	524	459	14.0%	--	--	524	459	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	15,162	18,939	-20.0%	14,164	17,452	761	1,226	--	--	237	261
Georgia	19,788	25,697	-23.0%	19,317	25,014	--	--	--	--	472	684
Maryland	5,421	8,331	-35.0%	--	--	5,097	7,977	--	--	324	354
North Carolina	17,222	22,759	-24.0%	15,996	21,354	797	903	NM	73	377	428
South Carolina	10,007	12,355	-19.0%	9,742	11,904	46	131	--	--	219	319
Virginia	6,036	9,860	-39.0%	4,414	7,403	660	1,360	40	48	922	1,049
West Virginia	25,865	26,102	-0.9%	16,074	18,256	9,388	7,439	--	--	404	407
East South Central	74,282	82,654	-10.0%	69,294	78,632	3,188	2,097	39	46	1,761	1,880
Alabama	21,040	23,159	-9.2%	20,697	22,768	39	43	--	--	304	348
Kentucky	32,825	34,464	-4.8%	32,825	34,464	--	--	--	--	--	--
Mississippi	5,416	5,264	2.9%	2,266	3,209	3,149	2,054	--	--	--	--
Tennessee	15,002	19,768	-24.0%	13,506	18,191	--	--	39	46	1,457	1,532
West South Central	127,002	134,326	-5.5%	65,154	68,324	61,109	65,233	--	--	738	769
Arkansas	14,106	14,598	-3.4%	12,066	12,633	1,939	1,854	--	--	101	111
Louisiana	13,032	12,978	0.4%	6,606	6,784	6,408	6,174	--	--	NM	20
Oklahoma	16,345	16,069	1.7%	14,914	14,591	1,022	1,052	--	--	409	426
Texas	83,519	90,682	-7.9%	31,568	34,315	51,741	56,153	--	--	210	213
Mountain	91,503	94,359	-3.0%	81,423	83,488	8,512	9,228	--	--	1,568	1,643
Arizona	19,577	19,164	2.2%	19,262	18,859	--	--	--	--	315	305
Colorado	15,843	16,696	-5.1%	15,659	16,491	184	206	--	--	--	--
Idaho	102	111	-8.1%	--	--	--	--	--	--	102	111
Montana	7,300	7,902	-7.6%	229	235	7,036	7,630	--	--	NM	NM
Nevada	2,008	2,847	-29.0%	1,496	2,255	512	592	--	--	--	--
New Mexico	12,069	13,662	-12.0%	12,069	13,662	--	--	--	--	--	--
Utah	11,517	13,112	-12.0%	10,938	12,508	360	364	--	--	219	240
Wyoming	23,087	20,864	11.0%	21,770	19,479	420	436	--	--	897	949
Pacific Contiguous	4,260	5,755	-26.0%	1,316	1,811	2,321	3,272	--	--	622	671
California	1,068	1,286	-17.0%	--	--	526	687	--	--	541	600
Oregon	1,316	1,811	-27.0%	1,316	1,811	--	--	--	--	--	--
Washington	1,876	2,657	-29.0%	--	--	1,795	2,586	--	--	81	71
Pacific Noncontiguous	1,565	1,653	-5.3%	239	254	790	860	461	457	75	83
Alaska	882	907	-2.7%	239	254	182	196	461	457	--	--
Hawaii	683	747	-8.5%	--	--	608	664	--	--	75	83
U.S. Total	705,687	789,388	-11.0%	503,989	575,132	183,650	194,424	1,211	1,401	16,837	18,432

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	71	344	-79.0%	NM	NM	37	236	NM	NM	NM	73
Connecticut	NM	NM	NM	NM	NM	NM	NM	--	--	NM	NM
Maine	NM	295	NM	NM	NM	NM	218	NM	NM	NM	72
Massachusetts	NM	NM	NM	NM	3	NM	NM	8	2	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	193	283	-32.0%	114	NM	56	133	NM	NM	NM	NM
New Jersey	NM	8	NM	NM	NM	NM	8	NM	NM	NM	NM
New York	144	215	-33.0%	114	NM	NM	70	NM	NM	NM	NM
Pennsylvania	39	60	-34.0%	NM	NM	37	55	NM	NM	NM	NM
East North Central	102	75	36.0%	80	56	13	13	NM	NM	8	NM
Illinois	13	16	-16.0%	NM	NM	9	9	NM	NM	NM	NM
Indiana	21	21	-1.0%	19	19	NM	NM	NM	NM	NM	NM
Michigan	20	22	-9.7%	14	19	*	--	NM	NM	4	1
Ohio	43	12	250.0%	38	7	4	4	NM	NM	1	1
Wisconsin	6	NM	NM	5	NM	NM	NM	NM	NM	NM	NM
West North Central	37	64	-42.0%	35	60	NM	NM	NM	NM	NM	NM
Iowa	12	13	-2.9%	12	12	NM	NM	NM	NM	NM	NM
Kansas	8	19	-57.0%	8	19	--	--	--	--	--	--
Minnesota	5	NM	NM	4	NM	NM	NM	NM	NM	NM	NM
Missouri	8	17	-55.0%	8	17	NM	NM	NM	NM	--	--
Nebraska	NM	NM	NM	NM	NM	--	--	--	--	--	--
North Dakota	NM	NM	NM	NM	4	--	--	NM	--	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	--	--	--
South Atlantic	235	706	-67.0%	108	504	NM	32	NM	NM	77	169
Delaware	NM	16	NM	NM	NM	NM	16	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	430	NM	21	376	NM	NM	--	--	NM	53
Georgia	36	88	-59.0%	10	44	5	NM	NM	NM	21	NM
Maryland	NM	14	NM	NM	NM	NM	11	NM	NM	2	2
North Carolina	35	72	-51.0%	19	41	NM	NM	NM	NM	16	NM
South Carolina	27	40	-33.0%	10	15	--	--	NM	NM	17	25
Virginia	54	NM	NM	12	3	29	NM	*	NM	NM	NM
West Virginia	34	23	50.0%	34	23	--	--	--	--	--	--
East South Central	61	59	3.6%	43	34	NM	NM	--	--	NM	NM
Alabama	23	NM	NM	7	7	NM	NM	--	--	NM	NM
Kentucky	21	25	-15.0%	21	25	--	--	--	--	--	--
Mississippi	NM	NM	NM	NM	NM	--	--	--	--	NM	NM
Tennessee	16	NM	NM	14	3	--	--	--	--	NM	NM
West South Central	27	44	-38.0%	8	22	16	15	NM	NM	NM	NM
Arkansas	7	NM	NM	3	5	4	--	--	--	NM	NM
Louisiana	NM	NM	NM	3	7	*	5	--	--	NM	NM
Oklahoma	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Texas	14	17	-18.0%	NM	5	11	9	NM	NM	NM	NM
Mountain	38	48	-20.0%	31	40	6	6	NM	NM	NM	NM
Arizona	6	12	-47.0%	6	11	--	--	NM	NM	NM	NM
Colorado	5	NM	NM	5	NM	--	--	NM	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	6	NM	NM	NM	NM	5	NM	--	--	--	--
Nevada	2	3	-37.0%	1	3	1	1	--	--	--	--
New Mexico	7	7	4.3%	6	6	NM	1	--	--	NM	NM
Utah	6	9	-37.0%	6	9	NM	NM	--	--	--	--
Wyoming	7	8	-17.0%	6	8	--	--	--	--	NM	NM
Pacific Contiguous	NM	NM	NM	13	NM	NM	NM	NM	NM	NM	NM
California	NM	NM	NM	10	NM	NM	NM	NM	NM	NM	NM
Oregon	4	NM	NM	3	--	--	--	NM	NM	NM	NM
Washington	NM	NM	NM	NM	NM	3	NM	NM	NM	NM	NM
Pacific Noncontiguous	1,085	1,594	-32.0%	853	1,309	191	209	NM	NM	39	NM
Alaska	125	187	-33.0%	116	174	--	--	NM	NM	8	NM
Hawaii	960	1,407	-32.0%	737	1,135	191	209	NM	NM	32	NM
U.S. Total	1,884	3,265	-42.0%	1,291	2,171	376	655	20	NM	197	407

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(e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
W = Withheld to avoid disclosure of individual company data.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) October 2012 and 2011
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	821	2,127	-61.0%	NM	NM	366	1,115	NM	195	273	711
Connecticut	185	243	-24.0%	NM	NM	164	200	--	--	NM	NM
Maine	352	1,186	-70.0%	NM	NM	NM	505	NM	NM	257	671
Massachusetts	169	461	-63.0%	NM	NM	114	410	40	NM	NM	NM
New Hampshire	NM	143	NM	NM	NM	NM	NM	NM	105	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	1	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Middle Atlantic	1,892	2,699	-30.0%	635	900	954	1,562	123	NM	180	NM
New Jersey	NM	401	NM	NM	NM	NM	160	NM	NM	NM	NM
New York	1,279	1,515	-16.0%	627	671	390	662	118	NM	144	NM
Pennsylvania	520	783	-33.0%	NM	NM	491	740	NM	NM	NM	NM
East North Central	1,170	1,249	-6.3%	823	1,006	139	163	NM	NM	191	57
Illinois	115	142	-19.0%	39	51	75	90	NM	NM	NM	NM
Indiana	337	278	21.0%	171	241	NM	NM	NM	NM	165	33
Michigan	230	292	-21.0%	202	268	*	*	NM	NM	12	7
Ohio	419	462	-9.3%	349	384	59	71	NM	NM	10	7
Wisconsin	69	74	-6.4%	62	63	4	NM	NM	NM	NM	NM
West North Central	537	604	-11.0%	512	550	NM	NM	NM	NM	NM	NM
Iowa	163	127	29.0%	160	123	NM	NM	NM	NM	NM	NM
Kansas	78	84	-7.4%	78	84	--	--	--	--	--	--
Minnesota	NM	59	NM	32	36	NM	5	NM	NM	NM	NM
Missouri	155	184	-15.0%	155	180	NM	NM	NM	NM	--	NM
Nebraska	29	51	-44.0%	29	51	--	--	--	--	--	--
North Dakota	63	90	-29.0%	53	66	--	--	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
South Atlantic	3,189	9,051	-65.0%	1,733	6,611	NM	758	NM	NM	1,042	1,668
Delaware	41	85	-51.0%	NM	NM	39	81	--	--	--	--
District of Columbia	NM	215	NM	--	--	NM	215	--	--	--	--
Florida	758	5,085	-85.0%	511	4,579	NM	NM	--	--	187	443
Georgia	445	633	-30.0%	210	242	NM	NM	NM	NM	228	381
Maryland	211	297	-29.0%	NM	NM	125	255	NM	NM	71	25
North Carolina	492	550	-11.0%	268	239	NM	NM	NM	NM	220	NM
South Carolina	443	469	-5.4%	237	198	--	--	NM	NM	205	270
Virginia	559	1,460	-62.0%	270	1,098	153	109	4	7	132	NM
West Virginia	228	257	-11.0%	218	235	10	22	--	--	--	--
East South Central	538	753	-28.0%	356	470	NM	NM	--	--	177	268
Alabama	237	325	-27.0%	86	91	NM	NM	--	--	146	218
Kentucky	176	199	-11.0%	176	199	--	--	--	--	--	--
Mississippi	NM	70	NM	20	58	--	--	--	--	NM	NM
Tennessee	94	159	-41.0%	74	122	--	--	--	--	NM	NM
West South Central	290	399	-27.0%	105	167	143	142	NM	NM	NM	NM
Arkansas	65	83	-21.0%	35	28	21	33	--	--	NM	NM
Louisiana	NM	102	NM	18	35	25	26	--	--	NM	NM
Oklahoma	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Texas	147	198	-26.0%	36	88	97	83	NM	NM	NM	NM
Mountain	407	401	1.4%	347	340	52	53	NM	NM	NM	NM
Arizona	73	99	-26.0%	68	94	--	--	NM	NM	NM	NM
Colorado	NM	38	NM	NM	37	*	--	NM	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	41	45	-7.9%	NM	NM	35	37	--	--	--	--
Nevada	34	22	53.0%	25	15	9	7	--	--	--	--
New Mexico	81	46	73.0%	73	39	NM	8	--	--	NM	NM
Utah	69	71	-3.3%	68	70	NM	NM	--	--	--	--
Wyoming	77	80	-3.1%	75	78	--	--	--	--	NM	NM
Pacific Contiguous	297	473	-37.0%	71	64	NM	NM	NM	NM	NM	379
California	92	NM	NM	56	48	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	14	12	--	--	NM	NM	NM	NM
Washington	NM	384	NM	NM	NM	13	15	NM	NM	NM	365
Pacific Noncontiguous	11,812	12,922	-8.6%	9,629	10,149	1,710	2,029	NM	NM	460	731
Alaska	1,439	1,319	9.1%	1,347	1,227	--	--	NM	NM	81	82
Hawaii	10,373	11,603	-11.0%	8,281	8,921	1,710	2,029	3	NM	378	649
U.S. Total	20,953	30,678	-32.0%	14,273	20,361	3,825	5,872	289	282	2,566	4,163

* = 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 *.)
W = Withheld to avoid disclosure of individual company data.
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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 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, October 2012 and 2011
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	6	NM	--	--	NM	NM	--	--	NM	5
New Jersey	NM	NM	NM	--	--	--	--	--	--	NM	NM
New York	NM	NM	NM	--	--	NM	NM	--	--	--	--
Pennsylvania	NM	5	NM	--	--	--	--	--	--	NM	5
East North Central	41	121	-66.0%	--	15	8	54	--	--	NM	52
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	9	-100.0%	--	9	--	--	--	--	--	--
Michigan	NM	27	NM	--	--	2	3	--	--	NM	24
Ohio	NM	70	NM	--	--	7	51	--	--	NM	18
Wisconsin	10	16	-37.0%	--	6	--	--	--	--	10	9
West North Central	1	NM	NM	--	--	--	--	1	NM	--	--
Iowa	1	NM	NM	--	--	--	--	1	NM	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	47	142	-67.0%	47	113	--	--	--	--	--	29
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	47	113	-58.0%	47	113	--	--	--	--	--	--
Georgia	--	29	-100.0%	--	--	--	--	--	--	--	29
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	45	23	97.0%	45	23	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	45	23	97.0%	45	23	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	223	167	34.0%	159	137	--	--	--	--	64	29
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	176	164	7.6%	159	137	--	--	--	--	NM	26
Oklahoma	NM	*	NM	--	--	--	--	--	--	NM	*
Texas	47	NM	NM	--	--	--	--	--	--	47	NM
Mountain	23	19	20.0%	--	--	23	19	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	23	19	20.0%	--	--	23	19	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	63	NM	--	--	NM	52	--	--	NM	NM
California	NM	63	NM	--	--	NM	52	--	--	NM	NM
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	394	541	-27.0%	251	289	34	126	1	NM	107	126

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

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) October 2012 and 2011 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	68	NM	--	--	NM	22	--	--	NM	45
New Jersey	NM	NM	NM	--	--	--	--	--	--	NM	NM
New York	NM	22	NM	--	--	NM	22	--	--	--	--
Pennsylvania	NM	41	NM	--	--	--	--	--	--	NM	41
East North Central	935	1,173	-20.0%	150	382	425	373	--	--	359	418
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	114	268	-57.0%	114	268	--	--	--	--	--	--
Michigan	127	129	-2.0%	--	--	29	22	--	--	98	107
Ohio	527	526	0.2%	--	--	396	351	--	--	131	175
Wisconsin	166	249	-33.0%	36	114	--	--	--	--	130	135
West North Central	10	25	-59.0%	NM	18	--	--	10	7	--	--
Iowa	10	23	-54.0%	NM	15	--	--	10	7	--	--
Kansas	--	3	-100.0%	--	3	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	589	1,172	-50.0%	450	924	--	--	--	--	139	248
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	450	924	-51.0%	450	924	--	--	--	--	--	--
Georgia	139	248	-44.0%	--	--	--	--	--	--	139	248
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	439	384	14.0%	439	384	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	439	384	14.0%	439	384	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,503	1,487	1.1%	895	1,211	36	NM	--	--	572	264
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,073	1,449	-26.0%	895	1,211	--	--	--	--	178	238
Oklahoma	NM	4	NM	--	--	--	--	--	--	NM	4
Texas	427	34	NM	--	--	36	NM	--	--	391	22
Mountain	208	229	-9.4%	--	--	208	229	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	208	229	-9.4%	--	--	208	229	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	175	424	-59.0%	--	--	99	321	--	--	76	103
California	175	424	-59.0%	--	--	99	321	--	--	76	103
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	3,898	4,963	-21.0%	1,935	2,919	772	958	10	7	1,181	1,078

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	41,768	41,573	0.5%	216	655	38,023	37,354	896	952	2,633	2,612
Connecticut	11,538	10,599	8.9%	68	61	10,841	9,784	244	NM	384	NM
Maine	4,129	4,457	-7.4%	--	--	2,225	2,679	NM	NM	1,903	1,777
Massachusetts	16,008	18,331	-13.0%	146	319	15,052	17,177	493	476	318	NM
New Hampshire	4,273	2,857	50.0%	*	272	4,245	2,563	--	--	NM	NM
Rhode Island	5,818	5,326	9.2%	--	--	5,661	5,152	158	NM	--	--
Vermont	2	4	-63.0%	2	4	--	--	--	--	--	--
Middle Atlantic	87,566	77,560	13.0%	10,567	9,185	74,089	64,836	848	NM	2,063	2,615
New Jersey	16,892	17,935	-5.8%	--	--	16,068	16,461	161	NM	663	1,294
New York	40,868	36,041	13.0%	10,563	9,181	29,250	25,750	633	NM	422	NM
Pennsylvania	29,806	23,584	26.0%	NM	NM	28,771	22,625	54	NM	978	903
East North Central	39,936	30,047	33.0%	11,267	9,508	22,644	15,221	2,122	1,561	3,902	3,757
Illinois	4,301	3,042	41.0%	32	175	2,747	1,671	562	433	960	763
Indiana	9,662	5,584	73.0%	5,798	2,421	2,413	1,734	139	NM	1,312	1,223
Michigan	10,152	7,568	34.0%	800	1,590	7,554	5,111	984	552	814	315
Ohio	12,352	9,847	25.0%	3,317	3,354	8,616	5,119	174	NM	245	1,164
Wisconsin	3,469	4,006	-13.0%	1,320	1,968	1,315	1,586	263	162	571	291
West North Central	7,361	5,670	30.0%	4,918	4,337	1,098	420	501	357	843	557
Iowa	1,029	333	209.0%	971	274	--	NM	39	57	NM	2
Kansas	1,127	1,051	7.2%	1,125	1,050	--	--	--	--	NM	NM
Minnesota	2,897	2,107	37.0%	1,205	1,131	795	379	359	197	538	399
Missouri	1,852	1,833	1.1%	1,444	1,689	303	NM	99	101	NM	NM
Nebraska	204	184	11.0%	72	77	--	--	NM	NM	128	106
North Dakota	151	47	220.0%	NM	*	--	--	--	--	150	47
South Dakota	101	115	-12.0%	101	115	--	--	--	--	--	--
South Atlantic	166,349	138,291	20.0%	129,267	105,344	30,305	26,579	NM	NM	6,551	6,264
Delaware	4,976	4,982	-0.1%	14	NM	4,261	3,371	--	--	701	1,593
District of Columbia	89	84	6.4%	89	84	--	--	--	--	--	--
Florida	97,856	84,813	15.0%	88,786	77,272	6,744	5,301	NM	NM	2,291	2,202
Georgia	26,882	19,550	38.0%	16,735	9,433	8,276	8,935	--	--	1,870	1,182
Maryland	3,000	891	237.0%	--	--	2,451	472	178	NM	371	NM
North Carolina	9,504	6,474	47.0%	7,577	4,660	1,591	1,524	NM	NM	NM	NM
South Carolina	10,470	8,572	22.0%	9,635	8,095	NM	326	NM	NM	NM	NM
Virginia	13,277	12,900	2.9%	6,359	5,774	6,131	6,639	--	--	NM	NM
West Virginia	296	NM	NM	72	10	121	12	--	--	102	NM
East South Central	52,738	51,573	2.3%	31,854	28,445	17,201	19,845	NM	NM	3,506	3,102
Alabama	27,167	29,404	-7.6%	9,140	7,883	15,553	19,358	--	--	2,475	2,163
Kentucky	1,364	1,038	31.0%	959	765	47	16	--	--	358	NM
Mississippi	19,966	18,928	5.5%	17,781	17,903	1,601	470	NM	NM	NM	NM
Tennessee	4,241	2,204	92.0%	3,975	1,895	--	--	141	NM	125	NM
West South Central	228,273	214,736	6.3%	55,338	53,072	98,931	90,786	NM	637	73,285	70,242
Arkansas	10,095	7,639	32.0%	1,058	646	8,150	6,161	NM	NM	NM	NM
Louisiana	47,223	40,591	16.0%	17,586	15,999	6,288	3,592	NM	NM	23,296	20,954
Oklahoma	17,565	16,583	5.9%	13,629	12,752	3,391	3,444	NM	NM	NM	279
Texas	153,390	149,923	2.3%	23,065	23,674	81,102	77,589	NM	482	48,708	48,178
Mountain	52,969	47,131	12.0%	30,592	30,876	20,579	14,857	NM	NM	NM	NM
Arizona	19,489	17,077	14.0%	9,326	8,605	10,076	8,396	NM	NM	NM	--
Colorado	NM	5,785	NM	1,931	5,066	NM	NM	--	NM	NM	NM
Idaho	1,731	679	155.0%	305	72	1,319	462	--	--	107	144
Montana	70	146	-52.0%	65	143	NM	3	--	--	--	--
Nevada	NM	14,122	NM	12,360	10,533	NM	3,403	NM	NM	NM	132
New Mexico	NM	5,187	NM	4,225	3,359	NM	1,730	NM	NM	NM	35
Utah	NM	NM	NM	2,356	3,074	798	152	NM	NM	NM	NM
Wyoming	1,043	736	42.0%	24	24	NM	NM	--	--	1,016	705
Pacific Contiguous	117,143	85,058	38.0%	34,553	25,555	66,128	43,331	NM	NM	NM	NM
California	99,237	74,992	32.0%	25,451	21,435	58,145	37,973	NM	NM	NM	NM
Oregon	10,846	6,836	59.0%	4,121	1,915	6,434	4,689	95	79	195	154
Washington	7,060	3,230	119.0%	4,981	2,205	1,549	669	192	119	339	238
Pacific Noncontiguous	3,554	3,635	-2.2%	3,453	3,566	--	--	NM	NM	92	70
Alaska	3,554	3,635	-2.2%	3,453	3,566	--	--	NM	NM	92	70
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	797,656	695,275	15.0%	312,024	270,541	368,999	313,229	NM	NM	108,408	104,110

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	416,897	406,473	2.6%	3,947	3,785	374,700	365,358	10,425	10,829	27,825	26,501
Connecticut	103,713	96,373	7.6%	719	607	96,032	88,619	2,656	2,624	4,305	4,524
Maine	44,875	45,990	-2.4%	--	--	25,208	27,541	NM	NM	19,654	18,439
Massachusetts	168,071	171,341	-1.9%	2,482	2,189	155,960	159,405	6,070	6,502	3,559	3,245
New Hampshire	44,958	38,241	18.0%	717	946	43,935	37,001	--	--	307	NM
Rhode Island	55,251	54,484	1.4%	--	--	53,565	52,792	1,686	1,692	--	--
Vermont	29	43	-34.0%	29	43	--	--	--	--	--	--
Middle Atlantic	995,427	828,014	20.0%	118,124	111,393	846,435	679,705	9,130	8,280	21,738	28,636
New Jersey	205,160	183,012	12.0%	--	--	196,212	167,633	1,757	1,761	7,190	13,617
New York	444,843	380,961	17.0%	118,041	111,352	315,880	259,171	6,705	5,965	4,217	4,474
Pennsylvania	345,424	264,041	31.0%	83	NM	334,343	252,900	667	NM	10,331	10,545
East North Central	627,308	382,044	64.0%	210,587	114,619	360,291	209,592	18,773	15,886	37,656	41,948
Illinois	87,490	61,320	43.0%	13,223	9,392	58,790	35,981	5,084	5,479	10,393	10,468
Indiana	114,612	81,369	41.0%	76,085	44,083	24,966	24,805	1,502	1,530	12,060	10,951
Michigan	189,106	102,587	84.0%	39,214	20,393	134,861	73,173	7,630	4,626	7,400	4,395
Ohio	149,670	91,389	64.0%	39,219	21,154	106,079	55,371	1,962	2,150	2,410	12,714
Wisconsin	86,430	45,379	90.0%	42,847	19,597	35,595	20,262	2,595	2,100	5,393	3,420
West North Central	166,806	115,479	44.0%	133,631	92,847	20,495	13,523	5,098	3,381	7,582	5,727
Iowa	16,643	10,138	64.0%	16,177	9,808	NM	NM	364	253	100	77
Kansas	30,582	28,823	6.1%	30,479	28,797	--	--	--	--	NM	NM
Minnesota	57,443	33,502	71.0%	40,314	20,170	8,924	7,004	3,484	2,558	4,721	3,770
Missouri	48,481	35,465	37.0%	35,638	28,372	11,569	6,519	1,207	534	NM	NM
Nebraska	9,209	4,943	86.0%	7,978	4,124	--	--	NM	36	1,189	784
North Dakota	1,403	1,032	36.0%	NM	*	--	--	--	--	1,402	1,031
South Dakota	3,044	1,576	93.0%	3,044	1,576	--	--	--	--	--	--
South Atlantic	1,821,473	1,455,307	25.0%	1,349,922	1,103,774	403,001	298,561	2,721	2,645	65,828	50,327
Delaware	59,066	38,118	55.0%	217	137	48,110	31,117	--	--	10,738	6,864
District of Columbia	979	858	14.0%	979	858	--	--	--	--	--	--
Florida	1,013,380	918,758	10.0%	897,218	821,110	92,773	77,171	NM	NM	22,956	20,083
Georgia	286,411	178,777	60.0%	158,532	83,723	112,685	85,487	--	--	15,195	9,567
Maryland	50,676	26,224	93.0%	--	--	44,540	20,424	1,926	2,234	4,210	3,566
North Carolina	135,880	76,403	78.0%	112,542	58,378	20,015	15,295	NM	NM	2,975	2,717
South Carolina	99,305	85,051	17.0%	82,337	71,917	15,623	11,860	NM	NM	NM	1,269
Virginia	172,518	127,433	35.0%	97,722	67,228	67,444	55,035	--	--	7,352	5,170
West Virginia	3,259	3,684	-12.0%	377	422	1,810	2,173	--	--	1,072	NM
East South Central	744,906	568,239	31.0%	397,498	306,663	311,790	227,654	1,928	1,865	33,689	32,056
Alabama	369,329	300,083	23.0%	96,529	88,378	249,884	191,760	--	--	22,916	19,945
Kentucky	33,599	19,068	76.0%	26,180	12,803	3,629	1,543	--	--	3,791	4,722
Mississippi	284,814	221,520	29.0%	220,854	181,923	58,277	34,351	NM	NM	5,314	4,887
Tennessee	57,164	27,568	107.0%	53,936	23,560	--	--	1,559	1,505	1,669	2,503
West South Central	2,795,631	2,618,687	6.8%	739,022	704,458	1,302,494	1,159,143	7,283	7,210	746,831	747,876
Arkansas	125,275	97,863	28.0%	24,144	21,706	92,993	67,990	NM	NM	8,133	8,162
Louisiana	510,427	485,379	5.2%	198,123	201,767	86,289	57,075	NM	NM	225,468	225,983
Oklahoma	293,571	253,106	16.0%	206,920	191,033	81,375	56,848	NM	1,578	3,711	3,647
Texas	1,866,358	1,782,340	4.7%	309,835	289,953	1,041,837	977,229	5,166	5,074	509,520	510,084
Mountain	594,535	489,766	21.0%	346,609	295,787	228,237	179,117	NM	NM	NM	12,763
Arizona	214,705	163,196	32.0%	104,010	71,117	109,754	91,295	NM	NM	NM	75
Colorado	75,641	69,573	8.7%	41,222	55,909	34,136	13,400	NM	NM	NM	NM
Idaho	13,980	6,759	107.0%	4,497	1,106	8,196	4,000	--	--	1,286	1,653
Montana	1,454	3,468	-58.0%	1,247	3,386	207	82	--	--	--	--
Nevada	165,686	141,475	17.0%	117,285	96,717	NM	42,912	NM	NM	NM	1,308
New Mexico	66,661	62,621	6.5%	42,285	37,949	NM	23,486	NM	NM	NM	423
Utah	44,524	34,935	27.0%	35,581	29,342	6,495	3,876	NM	NM	NM	NM
Wyoming	11,885	7,738	54.0%	481	262	153	67	--	--	11,251	7,410
Pacific Contiguous	1,016,257	748,300	36.0%	295,888	214,172	557,170	379,166	NM	NM	NM	130,916
California	902,453	676,155	33.0%	243,068	185,418	503,661	341,469	NM	NM	NM	126,699
Oregon	70,431	42,785	65.0%	23,927	11,984	43,797	28,747	912	471	1,795	1,584
Washington	43,372	29,360	48.0%	28,894	16,770	9,712	8,950	1,838	1,006	2,929	2,633
Pacific Noncontiguous	37,533	36,491	2.9%	36,572	35,739	--	--	75	57	885	696
Alaska	37,533	36,491	2.9%	36,572	35,739	--	--	75	57	885	696
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	9,216,771	7,648,801	20.0%	3,631,801	2,983,238	4,404,613	3,511,818	82,685	76,297	1,097,672	1,077,447

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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 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, October 2012 and 2011
(Dollar per MMBTU)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011
New England	W	W	W	4.07	3.89	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.07	3.89	4.6%	4.07	3.89	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.54	2.63	-3.4%	NM	2.87	2.54	2.57
New Jersey	3.81	4.16	-8.4%	--	--	3.81	4.16
New York	3.00	3.41	-12.0%	NM	4.27	2.99	3.41
Pennsylvania	2.47	2.52	-2.0%	--	2.87	2.47	2.43
East North Central	2.39	2.30	3.9%	2.52	2.41	2.11	2.04
Illinois	1.95	1.69	15.0%	2.10	1.68	1.93	1.69
Indiana	W	W	W	2.58	2.50	W	W
Michigan	W	W	W	2.87	2.80	W	W
Ohio	2.58	2.48	4.0%	2.40	2.29	4.04	2.96
Wisconsin	2.37	2.54	-6.7%	2.37	2.54	--	--
West North Central	1.72	1.65	4.2%	1.72	1.65	--	--
Iowa	1.50	1.47	2.0%	1.50	1.47	--	--
Kansas	1.85	1.77	4.5%	1.85	1.77	--	--
Minnesota	2.00	1.95	2.6%	2.00	1.95	--	--
Missouri	1.83	1.75	4.6%	1.83	1.75	--	--
Nebraska	1.50	1.54	-2.6%	1.50	1.54	--	--
North Dakota	1.52	1.28	19.0%	1.52	1.28	--	--
South Dakota	2.14	2.22	-3.6%	2.14	2.22	--	--
South Atlantic	3.34	3.41	-2.1%	3.43	3.48	2.97	3.09
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.52	3.52	W	W
Georgia	3.31	3.66	-9.6%	3.31	3.66	--	--
Maryland	3.68	3.82	-3.7%	--	--	3.68	3.82
North Carolina	3.77	3.71	1.6%	3.79	3.74	3.19	2.96
South Carolina	3.94	W	W	3.94	3.94	--	W
Virginia	3.62	3.63	-0.3%	3.55	3.60	4.08	3.82
West Virginia	2.57	W	W	2.75	2.63	2.31	W
East South Central	W	W	W	2.65	2.61	W	W
Alabama	W	W	W	3.01	2.75	W	W
Kentucky	2.37	2.34	1.3%	2.37	2.34	--	--
Mississippi	W	W	W	4.76	3.78	W	W
Tennessee	2.48	2.78	-11.0%	2.48	2.78	--	--
West South Central	2.00	1.95	2.6%	2.16	1.99	1.84	1.90
Arkansas	W	W	W	2.45	2.07	W	W
Louisiana	W	W	W	3.03	2.68	W	W
Oklahoma	W	W	W	1.95	1.78	W	W
Texas	1.85	1.89	-2.1%	1.96	1.93	1.79	1.87
Mountain	1.78	1.81	-1.7%	1.82	1.85	1.44	1.46
Arizona	2.02	2.02	0.0%	2.02	2.02	--	--
Colorado	W	W	W	1.84	1.76	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.51	1.53	W	W
Nevada	W	W	W	2.68	2.69	W	W
New Mexico	2.09	2.11	-0.9%	2.09	2.11	--	--
Utah	W	W	W	1.81	1.59	W	W
Wyoming	W	W	W	1.46	1.75	W	W
Pacific Contiguous	2.22	2.14	3.7%	1.91	1.79	2.40	2.37
California	W	W	W	--	--	W	W
Oregon	1.91	1.79	6.7%	1.91	1.79	--	--
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	--	--	W	W
U.S. Total	2.36	2.38	-0.8%	2.41	2.42	2.23	2.25

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	3.75	3.67	2.2%	3.97	3.59	3.63	3.70
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.97	3.59	11.0%	3.97	3.59	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.53	2.69	-5.9%	NM	2.92	2.53	2.64
New Jersey	4.05	4.20	-3.6%	--	--	4.05	4.20
New York	3.24	3.27	-0.9%	NM	3.85	3.24	3.27
Pennsylvania	2.46	2.55	-3.5%	--	2.92	2.46	2.45
East North Central	2.41	2.30	4.8%	2.55	2.41	2.15	2.05
Illinois	1.93	1.73	12.0%	2.10	1.78	1.91	1.71
Indiana	W	W	W	2.60	2.46	W	W
Michigan	W	W	W	2.93	2.79	W	W
Ohio	2.59	2.46	5.3%	2.42	2.29	3.24	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	1.92	2.6%	1.97	1.92	--	--
Missouri	1.86	1.72	8.1%	1.86	1.72	--	--
Nebraska	1.54	1.52	1.3%	1.54	1.52	--	--
North Dakota	1.50	1.34	12.0%	1.50	1.34	--	--
South Dakota	2.19	2.09	4.8%	2.19	2.09	--	--
South Atlantic	3.37	3.42	-1.5%	3.47	3.47	2.93	3.16
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.50	3.54	W	W
Georgia	3.51	3.78	-7.1%	3.51	3.78	--	--
Maryland	3.57	3.71	-3.8%	--	--	3.57	3.71
North Carolina	3.79	3.61	5.0%	3.82	3.65	3.19	2.88
South Carolina	W	W	W	3.98	3.81	W	W
Virginia	W	3.56	W	3.66	3.54	W	3.66
West Virginia	2.52	W	W	2.68	2.56	2.24	W
East South Central	W	W	W	2.72	2.65	W	W
Alabama	W	W	W	3.02	2.88	W	W
Kentucky	2.45	2.33	5.2%	2.45	2.33	--	--
Mississippi	W	W	W	4.43	3.85	W	W
Tennessee	2.63	2.81	-6.4%	2.63	2.81	--	--
West South Central	2.03	1.91	6.3%	2.10	1.94	1.94	1.86
Arkansas	W	W	W	2.21	1.88	W	W
Louisiana	W	W	W	2.82	2.67	W	W
Oklahoma	W	W	W	1.97	1.74	W	W
Texas	1.94	1.86	4.3%	1.99	1.91	1.91	1.83
Mountain	1.84	1.79	2.8%	1.87	1.82	1.52	1.51
Arizona	2.06	1.96	5.1%	2.06	1.96	--	--
Colorado	W	W	W	1.85	1.73	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.52	1.57	W	W
Nevada	W	W	W	2.54	2.60	W	W
New Mexico	2.19	2.04	7.4%	2.19	2.04	--	--
Utah	W	W	W	1.92	1.79	W	W
Wyoming	W	W	W	1.45	1.47	W	W
Pacific Contiguous	2.31	2.23	3.6%	1.90	1.79	2.53	2.45
California	W	W	W	--	--	W	W
Oregon	1.90	1.79	6.1%	1.90	1.79	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	1.70	1.65	W	W
Alaska	W	W	W	1.70	1.65	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, October 2012 and 2011
(Dollar per MMBTU)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011
New England	W	W	W	NM	NM	W	W
Connecticut	NM	NM	NM	NM	NM	NM	NM
Maine	W	W	W	NM	NM	W	W
Massachusetts	NM	20.35	NM	NM	22.93	NM	19.85
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	21.03	20.07	4.8%	19.65	NM	24.01	21.12
New Jersey	23.27	20.43	14.0%	NM	NM	23.39	20.43
New York	20.17	19.57	3.1%	19.64	NM	25.48	20.60
Pennsylvania	23.66	21.92	7.9%	NM	NM	23.65	21.92
East North Central	24.47	22.69	7.8%	24.44	22.57	24.66	23.17
Illinois	25.10	23.47	6.9%	25.51	NM	24.89	23.36
Indiana	W	W	W	24.20	22.05	W	W
Michigan	W	22.90	W	24.49	22.90	W	--
Ohio	24.39	W	W	24.42	22.19	24.11	W
Wisconsin	W	W	W	24.36	NM	W	W
West North Central	24.78	22.05	12.0%	24.77	22.04	NM	NM
Iowa	W	W	W	25.74	22.10	W	W
Kansas	24.77	22.23	11.0%	24.77	22.23	--	--
Minnesota	W	W	W	25.29	NM	W	W
Missouri	W	W	W	22.81	20.56	W	W
Nebraska	24.69	NM	NM	24.69	NM	--	--
North Dakota	25.32	24.30	4.2%	25.32	24.30	--	--
South Dakota	W	W	W	NM	NM	W	W
South Atlantic	NM	W	W	23.68	22.22	NM	W
Delaware	NM	W	W	NM	NM	NM	W
District of Columbia	--	--	--	--	--	--	--
Florida	NM	22.09	NM	23.89	22.08	NM	NM
Georgia	W	W	W	25.25	22.86	W	W
Maryland	22.97	20.76	11.0%	NM	NM	22.82	20.70
North Carolina	23.26	22.48	3.5%	23.29	22.52	NM	NM
South Carolina	24.31	22.45	8.3%	24.31	22.45	--	--
Virginia	W	20.71	W	NM	18.82	W	NM
West Virginia	23.93	23.01	4.0%	23.93	23.01	--	--
East South Central	W	W	W	23.68	21.96	W	W
Alabama	W	W	W	23.62	22.04	W	W
Kentucky	23.85	21.97	8.6%	23.85	21.97	--	--
Mississippi	NM	NM	NM	NM	NM	--	--
Tennessee	23.45	NM	NM	23.45	NM	--	--
West South Central	W	21.48	W	23.72	21.19	W	21.91
Arkansas	W	22.31	W	23.60	22.31	W	--
Louisiana	W	W	W	23.82	20.96	W	W
Oklahoma	NM	NM	NM	NM	NM	--	--
Texas	23.36	W	W	23.40	22.55	23.35	W
Mountain	23.82	23.25	2.5%	24.67	23.33	19.01	22.75
Arizona	22.80	23.04	-1.0%	22.80	23.04	--	--
Colorado	22.35	NM	NM	22.35	NM	--	--
Idaho	NM	NM	NM	NM	NM	--	--
Montana	W	NM	W	NM	NM	W	NM
Nevada	W	W	W	27.89	23.85	W	W
New Mexico	W	W	W	28.17	24.00	W	W
Utah	W	W	W	25.06	23.75	W	W
Wyoming	23.77	24.32	-2.3%	23.77	24.32	--	--
Pacific Contiguous	W	W	W	25.55	NM	W	W
California	W	W	W	25.94	NM	W	W
Oregon	23.98	--	--	23.98	--	--	--
Washington	W	W	W	NM	NM	W	W
Pacific Noncontiguous	W	W	W	22.32	21.55	W	W
Alaska	23.91	23.37	2.3%	23.91	23.37	--	--
Hawaii	W	W	W	22.10	21.30	W	W
U.S. Total	22.67	21.32	6.3%	22.52	21.63	23.20	20.28

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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 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) October 2012 and 2011
(Dollar per MMBTU)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	W	W	W	21.83	NM	W	W
Connecticut	W	21.87	W	NM	NM	W	21.88
Maine	W	W	W	NM	NM	W	W
Massachusetts	20.05	19.71	1.7%	NM	NM	20.07	19.61
New Hampshire	W	W	W	22.69	19.73	W	W
Rhode Island	W	W	W	NM	NM	W	W
Vermont	NM	NM	NM	NM	NM	--	--
Middle Atlantic	21.59	20.23	6.7%	21.00	19.15	21.99	20.87
New Jersey	21.26	18.14	17.0%	NM	NM	21.34	20.81
New York	21.48	19.77	8.6%	21.00	20.12	22.24	19.41
Pennsylvania	21.89	22.24	-1.6%	NM	NM	21.89	22.24
East North Central	23.03	22.35	3.0%	22.93	22.24	23.59	23.08
Illinois	W	W	W	23.82	23.11	W	W
Indiana	W	W	W	23.04	21.84	W	W
Michigan	W	W	W	22.72	22.24	W	W
Ohio	22.96	22.25	3.2%	22.97	22.32	22.92	21.86
Wisconsin	W	W	W	22.54	22.53	W	W
West North Central	22.45	22.51	-0.3%	22.43	22.50	NM	NM
Iowa	W	W	W	23.15	22.93	W	W
Kansas	22.73	22.25	2.2%	22.73	22.25	--	--
Minnesota	W	W	W	23.88	23.33	W	W
Missouri	W	W	W	20.50	21.61	W	W
Nebraska	22.96	22.70	1.1%	22.96	22.70	--	--
North Dakota	23.93	23.43	2.1%	23.93	23.43	--	--
South Dakota	W	W	W	21.84	NM	W	W
South Atlantic	W	18.89	W	21.60	18.69	W	20.70
Delaware	23.61	W	W	NM	NM	23.69	W
District of Columbia	W	W	W	--	--	W	W
Florida	20.03	18.44	8.6%	20.82	18.42	NM	20.46
Georgia	W	22.64	W	24.26	22.66	W	NM
Maryland	22.51	21.14	6.5%	NM	NM	22.58	21.15
North Carolina	23.05	21.74	6.0%	23.08	21.80	NM	NM
South Carolina	20.93	21.17	-1.1%	20.93	21.17	--	--
Virginia	20.43	17.50	17.0%	18.88	17.06	23.31	22.22
West Virginia	W	W	W	23.32	23.00	W	W
East South Central	W	W	W	22.63	21.15	W	W
Alabama	W	W	W	22.79	22.27	W	W
Kentucky	22.77	23.06	-1.3%	22.77	23.06	--	--
Mississippi	22.06	13.92	58.0%	22.06	13.92	--	--
Tennessee	22.28	21.02	6.0%	22.28	21.02	--	--
West South Central	22.65	21.01	7.8%	22.91	19.88	22.46	22.36
Arkansas	W	W	W	23.14	21.73	W	W
Louisiana	W	W	W	22.36	14.47	W	W
Oklahoma	22.69	NM	NM	22.69	NM	--	--
Texas	W	W	W	23.05	21.97	W	W
Mountain	23.31	23.05	1.1%	23.79	23.27	19.90	21.63
Arizona	23.73	23.48	1.1%	23.73	23.48	--	--
Colorado	W	20.72	W	22.38	20.72	W	--
Idaho	NM	NM	NM	NM	NM	--	--
Montana	17.95	20.83	-14.0%	21.20	NM	17.23	20.92
Nevada	W	W	W	25.28	23.38	W	W
New Mexico	W	W	W	25.60	25.21	W	W
Utah	W	W	W	23.52	23.13	W	W
Wyoming	22.57	23.51	-4.0%	22.57	23.51	--	--
Pacific Contiguous	W	23.06	W	24.54	23.59	W	NM
California	W	W	W	24.99	23.47	W	W
Oregon	22.68	23.73	-4.4%	22.68	23.73	--	--
Washington	W	W	W	NM	NM	W	W
Pacific Noncontiguous	W	W	W	22.30	20.50	W	W
Alaska	23.39	22.77	2.7%	23.39	22.77	--	--
Hawaii	W	W	W	22.14	20.23	W	W
U.S. Total	22.30	20.05	11.0%	22.25	20.04	22.51	20.07

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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 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, October 2012 and 2011
(Dollar per MMBTU)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 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	--	10.03	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	15.30	--	--	15.30	--	--
Michigan	W	W	W	--	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	--	1.69	--	--	1.69	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.31	3.45	-33.0%	2.31	3.45	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.31	3.45	-33.0%	2.31	3.45	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.78	0.52	242.0%	1.78	0.52	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.78	0.52	242.0%	1.78	0.52	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.07	2.72	-24.0%	2.07	2.72	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	2.07	2.72	-24.0%	2.07	2.72	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	W	W	W	--	--	W	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	W	3.03	W	--	--	W	3.03
California	W	3.03	W	--	--	W	3.03
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.98	W	W	2.07	3.23	1.32	W

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 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	3.80	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	1.67	1.64	1.8%	1.67	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	2.63	4.08	-36.0%	2.63	4.08	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.63	4.08	-36.0%	2.63	4.08	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.82	0.53	243.0%	1.82	0.53	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.82	0.53	243.0%	1.82	0.53	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	W	W	W	2.00	3.23	W	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.00	3.23	-38.0%	2.00	3.23	--	--
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	2.92	W	--	--	W	2.92
California	W	2.92	W	--	--	W	2.92
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.49	3.03	-18.0%	2.25	3.23	3.08	2.39

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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, October 2012 and 2011
(Dollar per MMBTU)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2012	October 2011	Percentage Change	October 2012	October 2011	October 2012	October 2011
New England	3.71	4.09	-9.3%	4.08	4.39	3.71	4.08
Connecticut	3.76	4.13	-9.0%	NM	4.37	3.76	4.12
Maine	W	W	W	--	--	W	W
Massachusetts	3.67	3.94	-6.9%	4.11	4.19	3.67	3.94
New Hampshire	W	W	W	6.78	4.64	W	W
Rhode Island	3.65	4.35	-16.0%	--	--	3.65	4.35
Vermont	4.27	4.14	3.1%	4.27	4.14	--	--
Middle Atlantic	3.76	4.47	-16.0%	3.74	4.34	3.76	4.49
New Jersey	3.72	4.61	-19.0%	--	--	3.72	4.61
New York	3.93	4.65	-15.0%	3.74	4.34	3.99	4.77
Pennsylvania	3.55	4.08	-13.0%	NM	NM	3.55	4.08
East North Central	3.71	4.11	-9.7%	3.77	4.10	3.68	4.12
Illinois	3.77	4.25	-11.0%	NM	5.97	3.72	4.07
Indiana	3.65	3.97	-8.1%	3.63	3.83	3.72	4.16
Michigan	4.01	4.35	-7.8%	4.53	4.24	3.96	4.38
Ohio	3.43	3.84	-11.0%	3.47	3.73	3.42	3.91
Wisconsin	4.13	4.43	-6.8%	4.56	4.78	3.69	4.00
West North Central	4.40	5.27	-17.0%	4.37	5.15	4.53	6.49
Iowa	4.57	W	W	4.57	8.01	--	W
Kansas	4.33	4.37	-0.9%	4.33	4.37	--	--
Minnesota	W	W	W	4.27	6.44	W	W
Missouri	W	W	W	4.12	4.17	W	W
Nebraska	8.58	8.14	5.4%	8.58	8.14	--	--
North Dakota	NM	7.48	NM	NM	7.48	--	--
South Dakota	NM	5.56	NM	NM	5.56	--	--
South Atlantic	4.54	5.21	-13.0%	4.73	5.40	3.70	4.46
Delaware	W	W	W	NM	NM	W	W
District of Columbia	NM	4.08	NM	NM	4.08	--	--
Florida	4.91	5.76	-15.0%	5.02	5.80	3.50	5.24
Georgia	3.90	4.06	-3.9%	3.87	3.90	3.96	4.22
Maryland	3.84	4.74	-19.0%	--	--	3.84	4.74
North Carolina	W	W	W	5.00	6.38	W	W
South Carolina	W	W	W	4.01	3.74	W	W
Virginia	3.64	4.24	-14.0%	3.86	4.19	3.41	4.28
West Virginia	3.70	4.01	-7.7%	3.78	3.62	3.66	4.32
East South Central	3.62	3.95	-8.4%	3.56	3.91	3.74	4.02
Alabama	W	W	W	3.65	4.00	W	W
Kentucky	W	W	W	5.88	4.46	W	W
Mississippi	W	W	W	3.45	3.83	W	W
Tennessee	3.24	4.03	-20.0%	3.24	4.03	--	--
West South Central	3.42	3.85	-11.0%	3.45	3.95	3.40	3.79
Arkansas	3.64	W	W	4.17	4.00	3.57	W
Louisiana	3.45	W	W	3.52	3.81	3.26	W
Oklahoma	3.40	4.08	-17.0%	3.42	4.17	3.33	3.73
Texas	3.39	3.81	-11.0%	3.37	3.91	3.39	3.78
Mountain	3.87	4.42	-12.0%	3.98	4.61	3.70	4.03
Arizona	3.85	4.32	-11.0%	4.07	4.75	3.65	3.88
Colorado	NM	4.55	NM	5.72	4.54	NM	NM
Idaho	W	W	W	4.59	5.92	W	W
Montana	W	W	W	NM	3.85	W	W
Nevada	3.73	4.59	-19.0%	3.77	4.73	NM	4.16
New Mexico	W	W	W	3.92	4.59	W	W
Utah	W	W	W	NM	3.91	W	W
Wyoming	W	W	W	NM	7.45	W	W
Pacific Contiguous	3.94	4.38	-10.0%	4.14	4.76	3.83	4.15
California	3.98	4.37	-8.9%	4.22	4.68	3.87	4.20
Oregon	W	W	W	3.11	3.96	W	W
Washington	W	W	W	4.55	6.21	W	W
Pacific Noncontiguous	4.08	4.86	-16.0%	4.08	4.86	--	--
Alaska	4.08	4.86	-16.0%	4.08	4.86	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.89	4.39	-11.0%	4.16	4.71	3.66	4.12

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

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) October 2012 and 2011
(Dollar per MMBTU)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2012 YTD	October 2011 YTD	Percentage Change	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	3.40	5.10	-33.0%	4.20	5.84	3.39	5.10
Connecticut	3.39	5.15	-34.0%	3.31	NM	3.39	5.15
Maine	W	W	W	--	--	W	W
Massachusetts	3.32	5.03	-34.0%	4.10	5.86	3.30	5.02
New Hampshire	W	W	W	5.41	6.18	W	W
Rhode Island	3.53	5.18	-32.0%	--	--	3.53	5.18
Vermont	3.79	5.33	-29.0%	3.79	5.33	--	--
Middle Atlantic	3.36	5.28	-36.0%	3.54	5.41	3.33	5.26
New Jersey	3.40	5.25	-35.0%	--	--	3.40	5.25
New York	3.61	5.56	-35.0%	3.54	5.41	3.63	5.63
Pennsylvania	3.01	4.89	-38.0%	NM	NM	3.01	4.89
East North Central	3.00	4.78	-37.0%	3.00	4.86	3.00	4.74
Illinois	3.15	4.93	-36.0%	3.19	5.23	3.14	4.85
Indiana	2.94	4.68	-37.0%	2.90	4.65	3.06	4.75
Michigan	3.06	4.82	-37.0%	3.04	4.95	3.06	4.79
Ohio	2.87	4.64	-38.0%	2.84	4.63	2.88	4.64
Wisconsin	3.08	4.99	-38.0%	3.25	5.34	2.88	4.64
West North Central	3.37	5.19	-35.0%	3.42	5.19	3.08	5.16
Iowa	W	W	W	3.63	5.36	W	W
Kansas	3.09	4.72	-35.0%	3.09	4.72	--	--
Minnesota	W	W	W	3.61	5.94	W	W
Missouri	W	W	W	3.34	5.05	W	W
Nebraska	3.70	5.57	-34.0%	3.70	5.57	--	--
North Dakota	NM	8.19	NM	NM	8.19	--	--
South Dakota	3.34	4.97	-33.0%	3.34	4.97	--	--
South Atlantic	4.06	5.54	-27.0%	4.34	5.65	3.15	5.14
Delaware	W	W	W	3.08	NM	W	W
District of Columbia	3.09	NM	NM	3.09	NM	--	--
Florida	4.60	5.84	-21.0%	4.75	5.88	3.13	5.40
Georgia	3.20	4.77	-33.0%	3.22	4.63	3.18	4.90
Maryland	3.08	5.31	-42.0%	--	--	3.08	5.31
North Carolina	W	W	W	4.23	6.00	W	W
South Carolina	W	4.49	W	3.50	4.42	W	4.88
Virginia	3.16	5.16	-39.0%	3.19	5.07	3.11	5.27
West Virginia	3.21	W	W	3.16	4.84	3.22	W
East South Central	2.90	4.48	-35.0%	2.89	4.54	2.92	4.41
Alabama	2.98	4.44	-33.0%	3.05	4.53	2.95	4.40
Kentucky	3.33	5.85	-43.0%	3.38	6.00	2.96	4.64
Mississippi	2.79	4.43	-37.0%	2.79	4.42	2.79	4.47
Tennessee	2.73	4.66	-41.0%	2.73	4.66	--	--
West South Central	2.84	4.43	-36.0%	2.91	4.49	2.80	4.39
Arkansas	3.04	4.77	-36.0%	3.72	5.75	2.86	4.46
Louisiana	2.82	4.41	-36.0%	2.86	4.44	2.72	4.29
Oklahoma	2.87	4.50	-36.0%	2.93	4.53	2.69	4.40
Texas	2.83	4.40	-36.0%	2.87	4.41	2.82	4.39
Mountain	3.33	4.93	-32.0%	3.39	5.10	3.24	4.66
Arizona	3.34	5.03	-34.0%	3.57	5.67	3.12	4.53
Colorado	3.79	4.98	-24.0%	3.82	4.98	3.74	4.98
Idaho	W	W	W	3.81	6.97	W	W
Montana	W	W	W	3.25	4.31	W	W
Nevada	3.24	4.94	-34.0%	3.27	5.04	3.17	4.74
New Mexico	W	W	W	3.28	4.99	W	W
Utah	W	W	W	2.83	4.29	W	W
Wyoming	W	W	W	3.59	7.20	W	W
Pacific Contiguous	3.39	4.74	-28.0%	3.68	5.01	3.23	4.58
California	3.41	4.72	-28.0%	3.73	4.98	3.26	4.58
Oregon	W	W	W	2.95	4.31	W	W
Washington	W	W	W	3.95	5.81	W	W
Pacific Noncontiguous	4.10	5.01	-18.0%	4.10	5.01	--	--
Alaska	4.10	5.01	-18.0%	4.10	5.01	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.32	4.91	-32.0%	3.60	5.10	3.09	4.76

* = 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 *.)
W = Withheld to avoid disclosure of individual company data.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State October 2012 (Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	109	1.1	10.4	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	6	0.8	7.0	--	--	--	--	--	--
Massachusetts	85	0.9	11.3	--	--	--	--	--	--
New Hampshire	18	1.7	7.4	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,370	3.0	10.4	NM	NM	NM	--	--	--
New Jersey	97	1.3	9.5	--	--	--	--	--	--
New York	203	2.8	9.3	30	0.3	5.8	--	--	--
Pennsylvania	3,070	3.0	10.5	NM	NM	NM	--	--	--
East North Central	6,405	2.8	10.0	8,864	0.3	5.0	--	--	--
Illinois	748	3.1	16.3	4,720	0.2	4.9	--	--	--
Indiana	2,762	2.7	9.1	630	0.2	5.1	--	--	--
Michigan	227	1.3	8.6	1,773	0.3	5.2	--	--	--
Ohio	2,458	3.0	9.7	NM	NM	NM	--	--	--
Wisconsin	210	1.9	7.6	1,723	0.3	5.1	--	--	--
West North Central	159	3.2	8.8	9,323	0.3	5.1	1,802	0.9	10.6
Iowa	61	3.5	8.0	1,887	0.3	4.8	--	--	--
Kansas	17	3.0	12.6	1,400	0.3	5.0	--	--	--
Minnesota	NM	NM	NM	1,246	0.4	5.7	--	--	--
Missouri	72	3.1	8.5	3,261	0.3	5.0	--	--	--
Nebraska	--	--	--	1,264	0.3	5.0	--	--	--
North Dakota	--	--	--	86	0.3	6.0	1,802	0.9	10.6
South Dakota	--	--	--	177	0.4	5.3	--	--	--
South Atlantic	9,162	1.9	10.4	1,152	0.3	4.6	--	--	--
Delaware	92	1.8	8.0	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,680	2.2	9.1	--	--	--	--	--	--
Georgia	773	1.2	9.8	1,137	0.3	4.6	--	--	--
Maryland	559	1.9	9.7	15	0.3	4.7	--	--	--
North Carolina	1,998	1.4	10.8	--	--	--	--	--	--
South Carolina	834	1.5	9.1	--	--	--	--	--	--
Virginia	542	1.1	16.3	--	--	--	--	--	--
West Virginia	2,685	2.6	10.7	--	--	--	--	--	--
East South Central	5,431	2.4	9.9	1,926	0.3	5.1	93	0.4	15.3
Alabama	1,222	1.8	10.2	1,112	0.3	5.2	--	--	--
Kentucky	3,054	2.8	10.2	283	0.3	5.3	--	--	--
Mississippi	259	1.3	10.0	--	--	--	93	0.4	15.3
Tennessee	896	2.3	8.4	531	0.3	4.9	--	--	--
West South Central	107	2.0	19.6	8,750	0.3	5.1	4,278	1.0	16.8
Arkansas	NM	NM	NM	1,265	0.3	5.0	--	--	--
Louisiana	38	3.2	9.0	1,179	0.3	5.1	264	0.5	18.0
Oklahoma	59	1.1	29.6	1,599	0.3	5.0	--	--	--
Texas	--	--	--	4,706	0.3	5.1	4,014	1.0	16.7
Mountain	2,868	0.6	12.3	7,497	0.6	9.8	NM	NM	NM
Arizona	676	0.6	10.7	1,418	0.7	10.3	--	--	--
Colorado	358	0.5	11.1	1,417	0.3	5.7	--	--	--
Idaho	NM	NM	NM	NM	NM	NM	--	--	--
Montana	--	--	--	995	0.7	9.1	NM	NM	NM
Nevada	48	0.4	11.1	76	0.3	5.6	--	--	--
New Mexico	303	0.7	24.4	957	0.7	22.6	--	--	--
Utah	1,438	0.6	11.3	62	1.0	7.7	--	--	--
Wyoming	40	2.2	10.6	2,567	0.5	7.5	--	--	--
Pacific Contiguous	97	0.8	12.6	621	0.4	7.1	--	--	--
California	97	0.8	12.6	--	--	--	--	--	--
Oregon	--	--	--	250	0.4	5.2	--	--	--
Washington	--	--	--	370	0.4	8.4	--	--	--
Pacific Noncontiguous	66	1.2	4.7	71	0.3	6.0	--	--	--
Alaska	--	--	--	71	0.3	6.0	--	--	--
Hawaii	66	1.2	4.7	--	--	--	--	--	--
U.S. Total	27,776	2.2	10.4	38,255	0.3	6.0	6,202	1.0	15.0

* = 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.
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 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State October 2012
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	18	1.7	7.4	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--
New Hampshire	18	1.7	7.4	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	NM	NM	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	NM	NM	NM	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
East North Central	5,247	2.8	9.4	4,339	0.3	5.1	--	--	--
Illinois	248	3.2	11.6	380	0.2	4.9	--	--	--
Indiana	2,510	2.7	9.0	506	0.2	5.1	--	--	--
Michigan	205	1.4	8.7	1,753	0.3	5.2	--	--	--
Ohio	2,184	3.1	9.9	--	--	--	--	--	--
Wisconsin	99	1.8	7.4	1,700	0.3	5.1	--	--	--
West North Central	80	3.0	9.3	8,962	0.3	5.1	1,802	0.9	10.6
Iowa	NM	NM	NM	1,693	0.3	4.8	--	--	--
Kansas	17	3.0	12.6	1,400	0.3	5.0	--	--	--
Minnesota	NM	NM	NM	1,156	0.4	5.7	--	--	--
Missouri	56	3.0	8.4	3,261	0.3	5.0	--	--	--
Nebraska	--	--	--	1,211	0.3	5.0	--	--	--
North Dakota	--	--	--	NM	NM	NM	1,802	0.9	10.6
South Dakota	--	--	--	177	0.4	5.3	--	--	--
South Atlantic	6,985	1.8	10.4	1,137	0.3	4.6	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,578	2.2	9.0	--	--	--	--	--	--
Georgia	723	1.2	9.8	1,137	0.3	4.6	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	1,876	1.4	10.8	--	--	--	--	--	--
South Carolina	817	1.5	9.1	--	--	--	--	--	--
Virginia	392	1.1	17.0	--	--	--	--	--	--
West Virginia	1,599	2.4	10.9	--	--	--	--	--	--
East South Central	5,187	2.5	10.0	1,926	0.3	5.1	--	--	--
Alabama	1,189	1.8	10.2	1,112	0.3	5.2	--	--	--
Kentucky	3,054	2.8	10.2	283	0.3	5.3	--	--	--
Mississippi	185	0.7	10.6	--	--	--	--	--	--
Tennessee	759	2.5	8.5	531	0.3	4.9	--	--	--
West South Central	37	3.2	9.0	5,483	0.3	5.0	740	1.3	20.1
Arkansas	--	--	--	1,035	0.3	5.0	--	--	--
Louisiana	37	3.2	9.0	390	0.3	5.4	264	0.5	18.0
Oklahoma	--	--	--	1,488	0.3	5.0	--	--	--
Texas	--	--	--	2,571	0.3	5.0	476	1.7	21.4
Mountain	2,790	0.6	12.4	6,286	0.5	10.0	NM	NM	NM
Arizona	676	0.6	10.7	1,383	0.7	10.3	--	--	--
Colorado	340	0.5	11.1	1,417	0.3	5.7	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	NM	NM	NM
Nevada	48	0.4	11.1	--	--	--	--	--	--
New Mexico	303	0.7	24.4	957	0.7	22.6	--	--	--
Utah	1,424	0.6	11.3	62	1.0	7.7	--	--	--
Wyoming	--	--	--	2,467	0.5	7.5	--	--	--
Pacific Contiguous	--	--	--	250	0.4	5.2	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	250	0.4	5.2	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	NM	NM	NM	--	--	--
Alaska	--	--	--	NM	NM	NM	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	20,344	2.1	10.3	28,395	0.3	6.2	2,567	1.0	13.2

* = 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 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 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State October 2012 (Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	81	0.9	11.3	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	81	0.9	11.3	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,199	3.0	10.4	30	0.3	5.8	--	--	--
New Jersey	55	1.1	9.8	--	--	--	--	--	--
New York	156	2.9	9.4	30	0.3	5.8	--	--	--
Pennsylvania	2,988	3.1	10.5	--	--	--	--	--	--
East North Central	498	2.6	16.2	4,404	0.2	4.9	--	--	--
Illinois	328	3.0	22.7	4,261	0.2	4.8	--	--	--
Indiana	--	--	--	NM	NM	NM	--	--	--
Michigan	NM	NM	NM	--	--	--	--	--	--
Ohio	170	2.2	7.4	NM	NM	NM	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	1,627	2.6	9.7	15	0.3	4.7	--	--	--
Delaware	89	1.8	8.0	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	472	1.9	8.1	15	0.3	4.7	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	NM	NM	NM	--	--	--	--	--	--
West Virginia	1,042	3.1	10.4	--	--	--	--	--	--
East South Central	74	3.0	8.6	--	--	--	93	0.4	15.3
Alabama	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	74	3.0	8.6	--	--	--	93	0.4	15.3
Tennessee	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	3,155	0.3	5.1	3,516	1.0	16.2
Arkansas	--	--	--	231	0.3	5.2	--	--	--
Louisiana	--	--	--	790	0.3	4.9	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--
Texas	--	--	--	2,135	0.3	5.2	3,516	1.0	16.2
Mountain	--	--	--	1,117	0.7	8.8	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	995	0.7	9.1	--	--	--
Nevada	--	--	--	76	0.3	5.6	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	NM	NM	NM	--	--	--
Pacific Contiguous	--	--	--	364	0.4	8.5	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	364	0.4	8.5	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	5,479	2.8	10.6	9,085	0.3	5.6	3,609	0.9	16.2

* = 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 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 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Combined Heat and Power Sector by State October 2012 (Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
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	NM	NM	NM	--	--	--	--	--	--
Illinois	NM	NM	NM	--	--	--	--	--	--
Indiana	NM	NM	NM	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--
Ohio	NM	NM	NM	--	--	--	--	--	--
Wisconsin	NM	NM	NM	--	--	--	--	--	--
West North Central	23	3.5	8.5	NM	NM	NM	--	--	--
Iowa	NM	NM	NM	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	NM	NM	NM	--	--	--
Missouri	6	3.6	9.9	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	NM	NM	NM	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	NM	NM	NM	--	--	--	--	--	--
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	--	--	--	40	0.3	6.0	--	--	--
Alaska	--	--	--	40	0.3	6.0	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	57	2.7	10.1	42	0.3	6.0	--	--	--

* = 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.
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 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Combined Heat and Power Sector by State October 2012 (Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	NM	NM	NM	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	1	0.6	6.9	--	--	--	--	--	--
Massachusetts	NM	NM	NM	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	75	2.4	10.2	NM	NM	NM	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	31	1.9	9.0	--	--	--	--	--	--
Pennsylvania	44	2.7	11.2	NM	NM	NM	--	--	--
East North Central	336	2.6	10.5	118	0.6	6.1	--	--	--
Illinois	168	3.1	12.7	79	0.7	6.5	--	--	--
Indiana	NM	NM	NM	--	--	--	--	--	--
Michigan	15	0.9	7.6	NM	NM	NM	--	--	--
Ohio	38	3.1	10.3	--	--	--	--	--	--
Wisconsin	107	1.9	7.7	23	0.3	5.2	--	--	--
West North Central	55	3.3	8.4	358	0.3	5.0	--	--	--
Iowa	40	3.5	8.0	194	0.3	4.6	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	NM	NM	NM	88	0.4	5.7	--	--	--
Missouri	NM	NM	NM	--	--	--	--	--	--
Nebraska	--	--	--	NM	NM	NM	--	--	--
North Dakota	--	--	--	NM	NM	NM	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	288	1.5	12.8	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	NM	NM	NM	--	--	--	--	--	--
Georgia	50	1.1	9.8	--	--	--	--	--	--
Maryland	35	2.3	22.5	--	--	--	--	--	--
North Carolina	37	1.4	10.9	--	--	--	--	--	--
South Carolina	17	1.1	9.1	--	--	--	--	--	--
Virginia	92	1.3	13.7	--	--	--	--	--	--
West Virginia	34	1.6	11.5	--	--	--	--	--	--
East South Central	163	1.1	8.0	--	--	--	--	--	--
Alabama	29	1.5	8.5	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee	133	1.0	7.9	--	--	--	--	--	--
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	60	1.8	10.3	94	0.6	8.4	NM	NM	NM
Arizona	--	--	--	NM	NM	NM	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	NM	NM	NM	NM	NM	NM	--	--	--
Montana	--	--	--	--	--	--	NM	NM	NM
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	15	0.3	9.1	--	--	--	--	--	--
Wyoming	40	2.2	10.6	NM	NM	NM	--	--	--
Pacific Contiguous	46	0.4	11.2	7	0.3	4.1	--	--	--
California	46	0.4	11.2	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	7	0.3	4.1	--	--	--
Pacific Noncontiguous	NM	NM	NM	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	NM	NM	NM	--	--	--	--	--	--
U.S. Total	1,048	1.9	10.6	639	0.4	5.8	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.
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 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - October 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
Year to Date					
2010	1,222,527	1,120,645	811,034	6,473	3,160,679
2011	1,213,240	1,122,633	830,501	6,427	3,172,800
2012	1,163,630	1,117,747	824,262	6,291	3,111,929
Rolling 12 Months Ending in October					
2011	1,436,421	1,332,187	990,340	7,667	3,766,614
2012	1,373,191	1,323,172	985,076	7,536	3,688,975

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 - October 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
Year to Date					
2010	141,570	114,807	55,236	686	312,299
2011	142,470	115,652	57,120	680	315,922
2012	138,721	113,614	55,460	630	308,425
Rolling 12 Months Ending in October					
2011	167,682	136,403	67,634	809	372,529
2012	162,964	133,889	65,946	753	363,552

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.
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Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report.

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - October 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
Year to Date					
2010	11.58	10.24	6.81	10.59	9.88
2011	11.74	10.30	6.88	10.58	9.96
2012	11.92	10.16	6.73	10.02	9.91
Rolling 12 Months Ending in October					
2011	11.67	10.24	6.83	10.56	9.89
2012	11.87	10.12	6.69	9.99	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, October 2012 and 2011 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	3,321	3,346	3,579	3,643	2,258	2,360	45	43	9,203	9,393
Connecticut	844	887	1,008	1,061	275	277	16	14	2,143	2,240
Maine	360	321	352	322	280	272	--	--	992	916
Massachusetts	1,416	1,439	1,403	1,418	1,352	1,439	27	27	4,199	4,323
New Hampshire	312	325	364	381	163	165	--	--	839	871
Rhode Island	229	225	297	297	75	73	2	2	603	597
Vermont	160	149	155	164	112	133	--	--	427	445
Middle Atlantic	9,024	9,244	12,562	12,771	5,774	5,939	333	340	27,693	28,294
New Jersey	1,850	1,880	2,999	3,107	612	633	24	25	5,486	5,646
New York	3,610	3,744	6,121	6,192	1,175	1,174	228	251	11,135	11,361
Pennsylvania	3,563	3,620	3,442	3,472	3,986	4,131	81	65	11,073	11,287
East North Central	12,164	11,876	15,048	14,853	16,708	17,263	45	36	43,964	44,028
Illinois	3,001	2,931	4,141	4,019	3,656	3,715	40	32	10,838	10,697
Indiana	2,090	2,060	1,909	1,945	3,962	4,118	2	2	7,962	8,124
Michigan	2,238	2,172	3,285	3,237	2,658	2,722	*	*	8,181	8,131
Ohio	3,314	3,202	3,836	3,808	4,452	4,728	2	2	11,604	11,739
Wisconsin	1,521	1,511	1,877	1,846	1,981	1,981	--	--	5,379	5,338
West North Central	6,483	6,298	8,127	8,086	7,380	7,463	3	3	21,993	21,849
Iowa	861	858	1,027	991	1,675	1,634	--	--	3,563	3,483
Kansas	836	825	1,261	1,261	864	859	--	--	2,960	2,945
Minnesota	1,529	1,481	1,839	1,816	1,877	2,018	1	1	5,246	5,316
Missouri	2,072	1,972	2,436	2,498	1,485	1,514	2	2	5,994	5,986
Nebraska	574	588	767	769	846	844	--	--	2,186	2,201
North Dakota	320	287	427	398	424	373	--	--	1,170	1,058
South Dakota	293	286	370	353	210	221	--	--	872	860
South Atlantic	23,992	23,457	24,869	24,810	12,154	11,864	103	105	61,119	60,236
Delaware	245	291	324	338	266	229	--	--	836	858
District of Columbia	118	118	688	720	17	16	26	27	849	881
Florida	9,527	9,235	7,817	7,831	1,394	1,361	7	7	18,744	18,434
Georgia	3,616	3,505	3,723	3,697	2,617	2,636	13	12	9,969	9,850
Maryland	1,726	1,730	2,342	2,351	346	401	41	43	4,455	4,525
North Carolina	3,403	3,386	3,781	3,806	2,491	2,327	1	1	9,676	9,519
South Carolina	1,879	1,820	1,725	1,701	2,461	2,395	--	--	6,066	5,916
Virginia	2,726	2,676	3,808	3,737	1,494	1,475	16	15	8,044	7,903
West Virginia	751	697	662	628	1,068	1,024	*	*	2,481	2,350
East South Central	7,535	7,448	6,628	6,582	10,400	10,520	*	*	24,562	24,550
Alabama	2,038	2,017	1,743	1,680	2,810	2,763	--	--	6,591	6,460
Kentucky	1,621	1,600	1,484	1,501	3,832	3,953	--	--	6,937	7,054
Mississippi	1,331	1,295	1,160	1,144	1,398	1,365	--	--	3,889	3,804
Tennessee	2,546	2,537	2,240	2,257	2,360	2,438	*	*	7,145	7,231
West South Central	15,252	15,179	16,067	15,482	13,034	14,021	7	7	44,360	44,689
Arkansas	1,211	1,149	1,004	1,002	1,409	1,484	NM	*	3,624	3,635
Louisiana	2,366	2,340	2,073	2,056	2,427	2,569	1	1	6,866	6,966
Oklahoma	1,430	1,399	1,629	1,606	1,328	1,319	--	--	4,387	4,324
Texas	10,246	10,292	11,361	10,817	7,870	8,649	6	6	29,483	29,764
Mountain	6,737	6,666	7,693	7,688	6,872	6,700	8	8	21,311	21,062
Arizona	2,401	2,392	2,458	2,458	1,067	1,039	--	--	5,926	5,888
Colorado	1,366	1,338	1,584	1,630	1,307	1,265	4	4	4,262	4,237
Idaho	558	536	497	464	682	686	--	--	1,737	1,686
Montana	317	317	401	404	335	390	--	--	1,053	1,111
Nevada	816	769	760	772	1,150	1,128	1	1	2,725	2,670
New Mexico	477	457	749	766	630	578	--	--	1,855	1,801
Utah	617	680	909	845	869	778	3	3	2,398	2,306
Wyoming	185	177	337	350	833	835	--	--	1,355	1,363
Pacific Contiguous	11,802	10,664	15,018	14,218	7,582	7,718	75	73	34,477	32,673
California	8,200	7,088	11,261	10,548	4,212	4,367	73	71	23,746	22,074
Oregon	1,288	1,298	1,329	1,273	1,038	1,005	2	2	3,657	3,579
Washington	2,314	2,278	2,427	2,397	2,332	2,345	*	1	7,074	7,021
Pacific Noncontiguous	398	407	519	522	437	440	--	--	1,354	1,369
Alaska	164	162	232	231	114	116	--	--	510	509
Hawaii	234	245	288	291	322	324	--	--	844	860
U.S. Total	96,707	94,585	110,111	108,655	82,600	84,287	619	616	290,037	288,144

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 October 2012 and 2011 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	39,262	40,075	37,380	37,953	23,180	23,495	472	476	100,294	101,999
Connecticut	10,685	10,968	10,936	11,113	3,003	3,085	160	155	24,785	25,321
Maine	3,695	3,643	3,406	3,376	2,534	2,542	--	--	9,635	9,562
Massachusetts	16,843	17,293	14,541	14,928	14,033	14,297	289	298	45,706	46,816
New Hampshire	3,718	3,769	3,770	3,793	1,644	1,628	--	--	9,132	9,190
Rhode Island	2,615	2,639	3,057	3,059	778	771	22	23	6,472	6,492
Vermont	1,706	1,763	1,670	1,683	1,188	1,171	--	--	4,564	4,617
Middle Atlantic	111,935	115,457	132,959	134,447	57,889	59,668	3,340	3,465	306,123	313,037
New Jersey	25,087	25,526	32,840	33,175	6,600	6,781	249	269	64,775	65,751
New York	42,867	43,565	64,061	64,536	10,975	11,257	2,353	2,501	120,257	121,859
Pennsylvania	43,981	46,366	36,058	36,737	40,315	41,630	738	695	121,092	125,428
East North Central	157,387	161,315	153,883	154,576	169,951	168,951	511	476	481,732	485,317
Illinois	39,679	40,038	42,493	42,510	37,799	37,480	460	427	120,431	120,455
Indiana	27,372	28,645	20,214	20,421	40,277	40,014	17	17	87,880	89,098
Michigan	28,739	29,075	32,297	32,550	26,534	26,437	6	4	87,575	88,066
Ohio	43,285	45,148	39,343	39,767	45,396	45,369	28	28	128,052	130,312
Wisconsin	18,313	18,409	19,535	19,328	19,946	19,651	--	--	57,794	57,387
West North Central	86,248	89,531	83,642	83,784	75,183	73,907	32	35	245,105	247,257
Iowa	11,704	11,944	10,214	10,118	16,436	16,027	--	--	38,355	38,090
Kansas	11,730	12,323	13,241	13,237	9,013	9,113	--	--	33,985	34,673
Minnesota	18,365	18,792	18,741	18,774	19,096	19,744	14	16	56,216	57,327
Missouri	29,018	30,594	25,717	26,240	14,842	14,480	18	18	69,596	71,332
Nebraska	8,182	8,324	7,778	7,681	9,423	8,840	--	--	25,383	24,845
North Dakota	3,535	3,685	4,135	4,006	4,162	3,543	--	--	11,832	11,234
South Dakota	3,714	3,869	3,815	3,728	2,210	2,160	--	--	9,739	9,757
South Atlantic	284,388	305,006	256,077	259,135	117,665	117,481	1,085	1,116	659,216	682,738
Delaware	3,824	4,000	3,612	3,622	2,318	2,152	--	--	9,754	9,774
District of Columbia	1,690	1,779	7,359	7,582	183	179	272	269	9,503	9,809
Florida	95,897	101,149	77,134	77,736	14,091	14,183	69	72	187,191	193,140
Georgia	46,169	50,123	39,123	39,910	26,326	26,561	133	145	111,751	116,739
Maryland	22,199	23,323	25,426	25,965	3,961	4,147	442	463	52,028	53,898
North Carolina	45,630	49,679	39,336	39,449	22,588	22,345	6	6	107,560	111,480
South Carolina	24,137	26,548	18,127	18,445	23,830	23,637	--	--	66,095	68,630
Virginia	35,813	38,707	39,440	39,868	14,462	14,509	159	157	89,874	93,240
West Virginia	9,030	9,698	6,519	6,557	9,908	9,769	4	3	25,460	26,028
East South Central	97,638	105,383	69,798	71,321	103,770	101,752	1	1	271,208	278,458
Alabama	26,135	28,341	18,575	18,949	28,432	28,338	--	--	73,141	75,628
Kentucky	21,834	23,132	15,585	15,919	37,300	35,821	--	--	74,719	74,872
Mississippi	15,555	16,809	11,653	11,722	13,959	13,633	--	--	41,167	42,165
Tennessee	34,114	37,101	23,985	24,731	24,079	23,959	1	1	82,181	85,793
West South Central	180,509	192,675	159,959	157,208	131,066	138,563	68	66	471,602	488,511
Arkansas	15,347	16,301	10,311	10,390	14,227	14,290	*	*	39,885	40,982
Louisiana	25,943	27,992	20,545	20,686	25,451	25,015	9	9	71,949	73,701
Oklahoma	19,631	21,077	16,776	16,655	13,725	13,235	--	--	50,132	50,966
Texas	119,589	127,305	112,326	109,477	77,662	86,023	59	56	309,636	322,862
Mountain	81,313	80,349	79,135	78,595	69,113	67,293	81	76	229,641	226,313
Arizona	28,896	28,841	25,111	25,080	10,434	10,344	--	--	64,441	64,265
Colorado	15,435	15,253	16,653	16,669	13,039	12,782	43	41	45,170	44,745
Idaho	6,620	6,704	4,983	4,948	8,269	7,771	--	--	19,872	19,422
Montana	3,908	4,013	4,092	4,076	3,439	3,319	--	--	11,439	11,409
Nevada	10,747	10,030	7,898	7,598	11,524	11,186	7	7	30,176	28,821
New Mexico	5,775	5,750	7,780	7,802	6,070	5,773	--	--	19,624	19,325
Utah	7,718	7,491	9,074	8,835	8,062	7,692	31	28	24,884	24,046
Wyoming	2,214	2,267	3,544	3,588	8,277	8,425	--	--	14,035	14,279
Pacific Contiguous	120,945	119,284	139,856	140,436	72,257	75,231	701	716	333,760	335,667
California	76,651	74,199	102,242	102,984	38,940	41,818	675	690	218,508	219,691
Oregon	15,260	15,565	13,185	13,081	10,064	10,079	21	21	38,529	38,746
Washington	29,034	29,520	24,430	24,371	23,254	23,334	6	6	76,723	77,230
Pacific Noncontiguous	4,003	4,164	5,058	5,178	4,187	4,160	--	--	13,248	13,502
Alaska	1,716	1,708	2,360	2,346	1,135	1,099	--	--	5,211	5,153
Hawaii	2,287	2,456	2,698	2,832	3,052	3,061	--	--	8,037	8,349
U.S. Total	1,163,630	1,213,240	1,117,747	1,122,633	824,262	830,501	6,291	6,427	3,111,929	3,172,800

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, October 2012 and 2011 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	517	523	478	505	262	286	3	3	1,260	1,317
Connecticut	150	165	148	161	36	38	1	1	336	365
Maine	53	49	40	39	22	22	--	--	116	111
Massachusetts	203	201	185	196	166	186	1	2	556	585
New Hampshire	50	54	48	52	19	20	--	--	118	126
Rhode Island	31	28	33	33	8	8	*	*	72	69
Vermont	29	25	23	23	11	12	--	--	63	61
Middle Atlantic	1,401	1,497	1,611	1,713	418	462	39	40	3,469	3,712
New Jersey	281	300	364	394	61	67	2	3	708	763
New York	663	703	928	973	71	87	31	32	1,692	1,794
Pennsylvania	458	494	319	346	286	308	6	6	1,070	1,154
East North Central	1,506	1,488	1,426	1,411	1,095	1,123	2	3	4,029	4,024
Illinois	357	377	331	343	212	226	2	2	902	948
Indiana	229	228	170	176	246	260	*	*	646	663
Michigan	318	299	358	338	201	200	*	*	878	836
Ohio	396	383	368	363	290	294	*	*	1,054	1,040
Wisconsin	205	201	198	191	146	144	--	--	549	537
West North Central	689	659	675	648	447	444	*	*	1,810	1,751
Iowa	95	95	81	77	87	86	--	--	262	258
Kansas	94	87	117	110	58	58	--	--	269	254
Minnesota	177	167	165	155	124	128	*	*	466	450
Missouri	203	198	183	188	80	81	*	*	466	467
Nebraska	60	57	65	61	55	53	--	--	180	170
North Dakota	30	27	35	30	29	24	--	--	93	81
South Dakota	31	29	30	28	14	14	--	--	75	71
South Atlantic	2,748	2,683	2,327	2,347	772	775	9	9	5,856	5,813
Delaware	36	41	34	35	22	19	--	--	91	96
District of Columbia	15	16	83	92	1	1	2	3	101	111
Florida	1,105	1,063	763	778	109	112	1	1	1,978	1,954
Georgia	387	380	352	352	149	162	1	1	889	895
Maryland	225	228	249	255	29	32	4	4	505	519
North Carolina	385	378	330	322	154	145	*	*	869	845
South Carolina	218	209	159	156	141	141	--	--	519	506
Virginia	302	297	300	303	100	98	1	1	703	700
West Virginia	76	70	58	54	67	66	*	*	201	189
East South Central	793	789	646	650	605	626	*	*	2,044	2,064
Alabama	237	237	187	186	163	168	--	--	586	590
Kentucky	156	155	125	125	200	206	--	--	481	486
Mississippi	136	134	106	107	79	83	--	--	321	324
Tennessee	264	263	229	232	163	169	*	*	656	665
West South Central	1,611	1,631	1,280	1,309	706	821	1	1	3,597	3,762
Arkansas	114	108	78	76	78	81	NM	*	269	265
Louisiana	205	221	165	179	121	153	*	*	491	554
Oklahoma	143	146	118	123	62	71	--	--	323	340
Texas	1,149	1,156	919	930	446	516	1	1	2,515	2,603
Mountain	741	715	707	700	437	419	1	1	1,885	1,835
Arizona	272	265	240	238	74	72	--	--	586	575
Colorado	154	148	153	155	95	90	*	*	403	393
Idaho	50	42	34	29	35	34	--	--	119	105
Montana	33	33	38	37	17	20	--	--	88	90
Nevada	98	88	68	70	75	75	*	*	241	233
New Mexico	55	59	70	75	38	37	--	--	163	170
Utah	59	64	75	68	50	44	*	*	185	175
Wyoming	19	18	29	28	52	47	--	--	100	94
Pacific Contiguous	1,512	1,324	1,849	1,724	632	631	6	6	3,999	3,685
California	1,182	1,004	1,550	1,438	473	476	6	6	3,211	2,924
Oregon	129	127	112	106	60	56	*	*	302	289
Washington	201	193	187	181	99	99	*	*	487	473
Pacific Noncontiguous	116	119	134	135	116	119	--	--	366	373
Alaska	29	30	36	34	18	20	--	--	83	84
Hawaii	86	90	98	100	98	99	--	--	283	290
U.S. Total	11,633	11,427	11,132	11,142	5,490	5,706	61	63	28,317	28,338

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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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.
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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.B. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through October 2012 and 2011 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	6,189	6,362	5,138	5,443	2,797	2,957	33	38	14,157	14,801
Connecticut	1,852	1,982	1,608	1,733	384	410	16	16	3,859	4,140
Maine	544	561	394	415	196	229	--	--	1,133	1,205
Massachusetts	2,528	2,530	2,023	2,148	1,821	1,916	14	19	6,386	6,614
New Hampshire	600	622	505	533	194	201	--	--	1,298	1,356
Rhode Island	376	381	368	379	84	87	3	3	831	850
Vermont	290	286	240	235	119	115	--	--	649	636
Middle Atlantic	17,232	18,303	17,363	18,573	4,360	4,940	403	432	39,357	42,248
New Jersey	3,980	4,151	4,252	4,520	696	786	24	29	8,952	9,486
New York	7,603	8,008	9,739	10,356	747	898	321	340	18,410	19,602
Pennsylvania	5,650	6,144	3,372	3,698	2,916	3,255	57	62	11,995	13,159
East North Central	18,968	19,044	14,677	14,731	11,144	11,049	31	33	44,819	44,857
Illinois	4,542	4,724	3,506	3,693	2,254	2,413	27	29	10,328	10,859
Indiana	2,844	2,882	1,834	1,794	2,560	2,471	2	2	7,239	7,148
Michigan	4,071	3,866	3,541	3,375	2,042	1,947	*	*	9,654	9,189
Ohio	5,069	5,171	3,726	3,847	2,800	2,774	2	2	11,597	11,794
Wisconsin	2,442	2,401	2,071	2,021	1,489	1,445	--	--	6,002	5,867
West North Central	9,211	9,155	7,143	6,985	4,733	4,552	3	3	21,089	20,695
Iowa	1,283	1,263	825	804	886	849	--	--	2,994	2,916
Kansas	1,317	1,321	1,214	1,171	622	615	--	--	3,153	3,107
Minnesota	2,102	2,079	1,668	1,649	1,265	1,288	1	1	5,036	5,018
Missouri	2,979	3,026	2,137	2,148	883	864	1	1	6,001	6,040
Nebraska	832	786	659	619	654	580	--	--	2,145	1,985
North Dakota	325	317	331	304	277	221	--	--	933	842
South Dakota	373	362	309	290	145	134	--	--	827	786
South Atlantic	32,447	34,205	24,056	24,526	7,681	7,876	91	102	64,275	66,709
Delaware	520	548	363	388	192	195	--	--	1,076	1,131
District of Columbia	208	242	887	986	10	13	24	28	1,128	1,269
Florida	11,027	11,641	7,502	7,635	1,134	1,223	6	6	19,668	20,504
Georgia	5,147	5,597	3,716	3,957	1,562	1,776	10	12	10,435	11,342
Maryland	2,865	3,128	2,691	2,956	321	368	37	43	5,914	6,494
North Carolina	4,972	5,100	3,403	3,207	1,443	1,352	*	*	9,818	9,660
South Carolina	2,799	2,923	1,728	1,711	1,420	1,407	--	--	5,947	6,041
Virginia	4,018	4,120	3,217	3,155	973	940	14	13	8,222	8,227
West Virginia	892	907	549	532	626	601	*	*	2,066	2,041
East South Central	10,010	10,671	6,848	6,978	6,379	6,353	*	*	23,237	24,002
Alabama	2,974	3,149	1,967	1,980	1,778	1,779	--	--	6,719	6,908
Kentucky	2,037	2,125	1,347	1,350	2,010	1,920	--	--	5,394	5,395
Mississippi	1,581	1,706	1,079	1,111	867	900	--	--	3,526	3,717
Tennessee	3,418	3,691	2,455	2,537	1,725	1,754	*	*	7,598	7,983
West South Central	18,650	20,141	12,848	13,536	7,152	8,412	7	7	38,658	42,096
Arkansas	1,428	1,472	792	779	807	810	*	*	3,027	3,061
Louisiana	2,166	2,533	1,591	1,764	1,201	1,450	1	1	4,958	5,747
Oklahoma	1,865	2,018	1,231	1,280	698	731	--	--	3,793	4,029
Texas	13,191	14,119	9,235	9,713	4,447	5,422	6	6	26,879	29,259
Mountain	8,930	8,575	7,148	7,020	4,332	4,167	8	7	20,418	19,769
Arizona	3,287	3,237	2,421	2,415	691	691	--	--	6,400	6,343
Colorado	1,765	1,730	1,557	1,581	907	904	4	4	4,233	4,218
Idaho	562	532	341	321	467	405	--	--	1,370	1,258
Montana	395	392	374	373	173	176	--	--	942	940
Nevada	1,267	1,168	699	691	780	789	1	1	2,747	2,649
New Mexico	664	638	726	710	356	356	--	--	1,747	1,704
Utah	771	671	739	654	459	396	3	3	1,972	1,724
Wyoming	218	205	291	276	499	452	--	--	1,007	933
Pacific Contiguous	15,919	14,871	17,100	16,596	5,744	5,782	56	59	38,818	37,307
California	11,943	10,956	14,131	13,713	4,224	4,285	54	57	30,352	29,011
Oregon	1,503	1,481	1,101	1,065	564	550	2	2	3,169	3,097
Washington	2,474	2,434	1,868	1,818	956	947	*	*	5,298	5,199
Pacific Noncontiguous	1,166	1,143	1,295	1,264	1,137	1,032	--	--	3,597	3,440
Alaska	310	300	350	357	193	172	--	--	852	828
Hawaii	856	844	945	908	944	860	--	--	2,745	2,612
U.S. Total	138,721	142,470	113,614	115,652	55,460	57,120	630	680	308,425	315,922

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 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, October 2012 and 2011 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011	October 2012	October 2011
New England	15.58	15.63	13.34	13.87	11.61	12.11	6.97	7.54	13.69	14.03
Connecticut	17.82	18.56	14.72	15.21	13.02	13.55	9.36	10.26	15.68	16.30
Maine	14.76	15.40	11.45	12.11	7.93	8.22	--	--	11.65	12.10
Massachusetts	14.37	13.98	13.18	13.85	12.26	12.94	5.18	5.66	13.23	13.54
New Hampshire	16.09	16.66	13.24	13.57	11.94	11.93	--	--	14.05	14.41
Rhode Island	13.66	12.43	11.16	11.28	10.31	10.35	12.31	14.40	12.01	11.61
Vermont	18.13	17.13	14.61	14.22	9.84	9.36	--	--	14.68	13.74
Middle Atlantic	15.53	16.19	12.82	13.41	7.24	7.78	11.70	11.90	12.53	13.12
New Jersey	15.16	15.94	12.12	12.69	9.95	10.52	10.15	10.12	12.90	13.52
New York	18.35	18.78	15.16	15.71	6.03	7.39	13.40	12.76	15.19	15.79
Pennsylvania	12.86	13.65	9.28	9.95	7.18	7.47	7.39	9.26	9.66	10.23
East North Central	12.38	12.53	9.47	9.50	6.56	6.51	5.18	6.95	9.16	9.14
Illinois	11.90	12.85	8.00	8.54	5.81	6.07	4.84	6.80	8.33	8.86
Indiana	10.95	11.08	8.93	9.03	6.22	6.30	9.16	9.78	8.11	8.17
Michigan	14.23	13.75	10.91	10.44	7.57	7.34	8.77	7.93	10.73	10.29
Ohio	11.96	11.97	9.59	9.53	6.51	6.22	7.48	6.99	9.09	8.86
Wisconsin	13.51	13.29	10.52	10.36	7.36	7.29	--	--	10.20	10.05
West North Central	10.62	10.46	8.31	8.02	6.05	5.94	7.04	6.87	8.23	8.01
Iowa	11.02	11.05	7.86	7.78	5.17	5.28	--	--	7.36	7.41
Kansas	11.21	10.55	9.25	8.70	6.77	6.69	--	--	9.08	8.63
Minnesota	11.56	11.28	8.94	8.53	6.62	6.33	8.53	7.68	8.87	8.46
Missouri	9.78	10.02	7.51	7.52	5.38	5.37	5.77	6.09	7.77	7.80
Nebraska	10.39	9.62	8.53	7.87	6.49	6.27	--	--	8.23	7.73
North Dakota	9.42	9.33	8.09	7.64	6.73	6.37	--	--	7.96	7.65
South Dakota	10.56	10.15	8.19	7.87	6.71	6.35	--	--	8.63	8.24
South Atlantic	11.45	11.44	9.36	9.46	6.36	6.53	8.49	8.67	9.58	9.65
Delaware	14.51	14.10	10.36	10.45	8.38	8.37	--	--	10.95	11.13
District of Columbia	12.30	13.27	12.08	12.76	5.95	4.95	9.18	9.34	11.90	12.58
Florida	11.60	11.51	9.76	9.94	7.84	8.21	8.77	8.87	10.55	10.60
Georgia	10.70	10.85	9.45	9.51	5.70	6.15	6.62	6.85	8.91	9.08
Maryland	13.02	13.19	10.62	10.84	8.23	8.05	8.71	8.57	11.35	11.47
North Carolina	11.30	11.17	8.73	8.46	6.20	6.22	7.98	7.49	8.98	8.88
South Carolina	11.62	11.49	9.24	9.15	5.74	5.88	--	--	8.55	8.54
Virginia	11.07	11.12	7.88	8.11	6.69	6.63	8.22	9.24	8.74	8.85
West Virginia	10.17	10.04	8.70	8.54	6.26	6.40	7.58	7.62	8.10	8.05
East South Central	10.53	10.59	9.75	9.88	5.81	5.95	12.32	11.37	8.32	8.41
Alabama	11.61	11.73	10.70	11.06	5.81	6.08	--	--	8.90	9.14
Kentucky	9.62	9.69	8.41	8.34	5.21	5.20	--	--	6.93	6.89
Mississippi	10.24	10.33	9.15	9.33	5.63	6.08	--	--	8.26	8.51
Tennessee	10.38	10.38	10.21	10.29	6.91	6.94	12.32	11.37	9.18	9.19
West South Central	10.56	10.75	7.96	8.45	5.41	5.85	10.41	9.97	8.11	8.42
Arkansas	9.39	9.41	7.73	7.54	5.52	5.45	NM	11.45	7.42	7.28
Louisiana	8.67	9.45	7.95	8.72	4.97	5.97	9.55	8.78	7.14	7.95
Oklahoma	10.00	10.44	7.24	7.69	4.64	5.37	--	--	7.35	7.87
Texas	11.22	11.23	8.09	8.60	5.66	5.96	10.52	10.15	8.53	8.75
Mountain	11.00	10.73	9.19	9.11	6.36	6.26	9.92	9.86	8.85	8.71
Arizona	11.35	11.08	9.75	9.69	6.95	6.88	--	--	9.89	9.76
Colorado	11.26	11.04	9.65	9.51	7.30	7.13	9.90	9.97	9.45	9.28
Idaho	8.90	7.87	6.91	6.34	5.19	4.91	--	--	6.87	6.24
Montana	10.55	10.26	9.40	9.28	5.09	5.16	--	--	8.37	8.11
Nevada	12.04	11.38	8.93	9.03	6.51	6.69	8.43	8.64	8.84	8.72
New Mexico	11.52	12.84	9.39	9.73	5.98	6.44	--	--	8.78	9.46
Utah	9.61	9.35	8.28	8.03	5.80	5.63	10.30	9.97	7.73	7.61
Wyoming	10.37	10.08	8.58	8.05	6.25	5.68	--	--	7.39	6.86
Pacific Contiguous	12.81	12.41	12.31	12.13	8.34	8.18	8.29	8.27	11.60	11.28
California	14.41	14.16	13.76	13.63	11.23	10.90	8.28	8.27	13.52	13.24
Oregon	10.04	9.78	8.43	8.31	5.79	5.58	8.51	8.03	8.25	8.08
Washington	8.68	8.45	7.70	7.54	4.24	4.23	8.42	9.00	6.88	6.73
Pacific Noncontiguous	29.01	29.33	25.83	25.81	26.57	27.13	--	--	27.00	27.28
Alaska	17.78	18.20	15.38	14.82	15.93	17.39	--	--	16.28	16.48
Hawaii	36.87	36.71	34.24	34.52	30.34	30.61	--	--	33.48	33.67
U.S. Total	12.03	12.08	10.11	10.25	6.65	6.77	9.88	10.25	9.76	9.83

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

Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through October 2012 and 2011 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD	October 2012 YTD	October 2011 YTD
New England	15.76	15.88	13.74	14.34	12.07	12.59	6.89	7.92	14.12	14.51
Connecticut	17.33	18.07	14.70	15.59	12.78	13.29	9.79	10.10	15.57	16.35
Maine	14.71	15.40	11.56	12.29	7.73	9.00	--	--	11.76	12.60
Massachusetts	15.01	14.63	13.91	14.39	12.98	13.40	4.79	6.32	13.97	14.13
New Hampshire	16.12	16.49	13.39	14.06	11.77	12.32	--	--	14.21	14.75
Rhode Island	14.38	14.43	12.03	12.39	10.82	11.24	13.29	14.12	12.84	13.09
Vermont	16.98	16.24	14.40	13.98	10.02	9.80	--	--	14.22	13.78
Middle Atlantic	15.39	15.85	13.06	13.81	7.53	8.28	12.06	12.46	12.86	13.50
New Jersey	15.87	16.26	12.95	13.62	10.55	11.59	9.74	10.79	13.82	14.43
New York	17.74	18.38	15.20	16.05	6.81	7.98	13.65	13.61	15.31	16.09
Pennsylvania	12.85	13.25	9.35	10.06	7.23	7.82	7.78	8.95	9.91	10.49
East North Central	12.05	11.81	9.54	9.53	6.56	6.54	6.02	6.96	9.30	9.24
Illinois	11.45	11.80	8.25	8.69	5.96	6.44	5.81	6.86	8.58	9.01
Indiana	10.39	10.06	9.07	8.78	6.36	6.18	9.50	9.72	8.24	8.02
Michigan	14.16	13.30	10.96	10.37	7.70	7.37	7.86	8.83	11.02	10.43
Ohio	11.71	11.45	9.47	9.67	6.17	6.11	6.95	6.64	9.06	9.05
Wisconsin	13.34	13.04	10.60	10.46	7.46	7.35	--	--	10.39	10.22
West North Central	10.68	10.23	8.54	8.34	6.30	6.16	7.85	7.66	8.60	8.37
Iowa	10.96	10.57	8.08	7.95	5.39	5.30	--	--	7.81	7.66
Kansas	11.22	10.72	9.17	8.84	6.90	6.75	--	--	9.28	8.96
Minnesota	11.45	11.07	8.90	8.78	6.62	6.52	8.69	8.31	8.96	8.75
Missouri	10.27	9.89	8.31	8.19	5.95	5.97	7.18	7.09	8.62	8.47
Nebraska	10.17	9.45	8.47	8.06	6.94	6.56	--	--	8.45	7.99
North Dakota	9.19	8.60	8.01	7.59	6.66	6.25	--	--	7.89	7.50
South Dakota	10.04	9.35	8.10	7.78	6.58	6.22	--	--	8.50	8.06
South Atlantic	11.41	11.21	9.39	9.46	6.53	6.70	8.39	9.16	9.75	9.77
Delaware	13.61	13.70	10.06	10.71	8.30	9.08	--	--	11.03	11.57
District of Columbia	12.31	13.61	12.05	13.00	5.27	7.24	8.71	10.47	11.87	12.93
Florida	11.50	11.51	9.73	9.82	8.05	8.62	8.51	8.79	10.51	10.62
Georgia	11.15	11.17	9.50	9.91	5.93	6.69	7.81	8.05	9.34	9.72
Maryland	12.91	13.41	10.58	11.38	8.10	8.87	8.31	9.19	11.37	12.05
North Carolina	10.90	10.27	8.65	8.13	6.39	6.05	7.88	6.97	9.13	8.67
South Carolina	11.60	11.01	9.53	9.28	5.96	5.95	--	--	9.00	8.80
Virginia	11.22	10.64	8.16	7.91	6.73	6.48	8.54	8.14	9.15	8.82
West Virginia	9.87	9.36	8.41	8.11	6.32	6.16	8.31	8.61	8.12	7.84
East South Central	10.25	10.13	9.81	9.78	6.15	6.24	11.31	11.95	8.57	8.62
Alabama	11.38	11.11	10.59	10.45	6.25	6.28	--	--	9.19	9.13
Kentucky	9.33	9.19	8.64	8.48	5.39	5.36	--	--	7.22	7.21
Mississippi	10.16	10.15	9.26	9.48	6.21	6.60	--	--	8.57	8.81
Tennessee	10.02	9.95	10.24	10.26	7.16	7.32	11.31	11.95	9.25	9.30
West South Central	10.33	10.45	8.03	8.61	5.46	6.07	10.30	9.88	8.20	8.62
Arkansas	9.31	9.03	7.68	7.50	5.67	5.67	NM	11.10	7.59	7.47
Louisiana	8.35	9.05	7.74	8.53	4.72	5.80	8.65	8.68	6.89	7.80
Oklahoma	9.50	9.57	7.34	7.69	5.08	5.52	--	--	7.57	7.90
Texas	11.03	11.09	8.22	8.87	5.73	6.30	10.54	10.07	8.68	9.06
Mountain	10.98	10.67	9.03	8.93	6.27	6.19	9.58	9.59	8.89	8.74
Arizona	11.38	11.22	9.64	9.63	6.62	6.68	--	--	9.93	9.87
Colorado	11.43	11.34	9.35	9.48	6.96	7.07	9.60	9.84	9.37	9.43
Idaho	8.49	7.94	6.85	6.49	5.64	5.21	--	--	6.89	6.48
Montana	10.12	9.77	9.13	9.14	5.03	5.29	--	--	8.24	8.24
Nevada	11.79	11.64	8.85	9.10	6.77	7.05	8.52	8.84	9.10	9.19
New Mexico	11.51	11.10	9.33	9.09	5.87	6.16	--	--	8.90	8.82
Utah	9.98	8.96	8.14	7.40	5.70	5.15	9.80	9.39	7.92	7.17
Wyoming	9.83	9.05	8.21	7.70	6.03	5.36	--	--	7.18	6.53
Pacific Contiguous	13.16	12.47	12.23	11.82	7.95	7.69	7.95	8.19	11.63	11.11
California	15.58	14.77	13.82	13.32	10.85	10.25	7.93	8.20	13.89	13.21
Oregon	9.85	9.51	8.35	8.14	5.60	5.45	8.27	7.89	8.22	7.99
Washington	8.52	8.25	7.65	7.46	4.11	4.06	8.09	8.54	6.90	6.73
Pacific Noncontiguous	29.12	27.46	25.59	24.42	27.15	24.80	--	--	27.15	25.47
Alaska	18.04	17.54	14.83	15.20	16.97	15.61	--	--	16.36	16.07
Hawaii	37.42	34.35	35.00	32.05	30.94	28.10	--	--	34.15	31.28
U.S. Total	11.92	11.74	10.16	10.30	6.73	6.88	10.02	10.58	9.91	9.96

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, October 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**26**	**8**	**--**	**1**	**--**	**0**	**10**
Connecticut	0	11	--	2	--	0	50
Maine	0	11	--	4	--	--	13
Massachusetts	31	15	--	1	--	0	29
New Hampshire	0	83	--	1	--	0	18
Rhode Island	--	37	--	1	--	--	440
Vermont	--	232	--	0	--	0	31
Middle Atlantic	**1**	**9**	**139**	**1**	**19**	**0**	**3**
New Jersey	0	34	--	2	84	0	247
New York	4	12	0	3	--	0	3
Pennsylvania	2	12	139	1	13	0	16
East North Central	*****	**2**	**5**	**1**	**10**	**0**	**20**
Illinois	*	6	--	6	51	0	116
Indiana	*	5	0	2	9	--	16
Michigan	2	4	65	3	0	0	45
Ohio	1	2	0	1	72	0	23
Wisconsin	*	12	0	3	--	0	36
West North Central	**1**	**5**	**0**	**12**	**156**	**0**	**5**
Iowa	2	5	0	21	--	0	55
Kansas	0	13	0	55	--	0	312
Minnesota	3	21	0	6	--	0	60
Missouri	1	13	0	10	--	0	35
Nebraska	2	17	--	37	--	0	41
North Dakota	3	12	--	130	156	--	0
South Dakota	6	98	--	125	--	--	0
South Atlantic	*****	**2**	**0**	**1**	**31**	**0**	**6**
Delaware	2	45	--	2	0	--	--
District of Columbia	--	0	--	165	--	--	--
Florida	*	3	0	1	0	0	87
Georgia	*	11	0	2	--	0	10
Maryland	0	15	--	7	77	0	4
North Carolina	1	7	--	5	--	0	8
South Carolina	0	15	0	4	--	0	22
Virginia	4	4	--	2	--	0	25
West Virginia	*	0	--	12	0	--	21
East South Central	*****	**4**	**0**	**3**	**13**	**0**	**4**
Alabama	*	19	--	5	14	0	5
Kentucky	1	4	0	14	--	--	7
Mississippi	0	10	--	2	--	0	--
Tennessee	*	2	--	1	0	0	6
West South Central	*****	**7**	**3**	**1**	**3**	**0**	**13**
Arkansas	0	10	0	4	--	0	20
Louisiana	0	29	4	3	5	0	0
Oklahoma	1	28	0	2	--	--	29
Texas	*	9	4	2	4	0	28
Mountain	**1**	**7**	**0**	**1**	**14**	**0**	**6**
Arizona	*	6	0	1	--	0	3
Colorado	1	43	--	9	--	--	21
Idaho	48	657	--	3	--	--	12
Montana	5	21	0	200	0	--	8
Nevada	0	4	--	1	0	--	7
New Mexico	0	17	--	6	--	--	116
Utah	2	12	--	11	105	--	48
Wyoming	2	8	--	18	8	--	33
Pacific Contiguous	**1**	**12**	**93**	**1**	**5**	**0**	**2**
California	13	7	93	2	6	0	7
Oregon	0	58	--	1	--	--	3
Washington	0	38	--	3	0	0	2
Pacific Noncontiguous	**4**	**2**	**--**	**12**	**104**	**--**	**17**
Alaska	10	3	--	12	652	--	17
Hawaii	3	3	--	--	103	--	179
U.S. Total	*****	**3**	**2**	**1**	**4**	**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.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, October 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	**.**	**--**	**.**	**87**	**3**	**0**	**4**	**1**
Connecticut	.	--	.	--	7	0	5	1
Maine	.	--	.	--	2	--	14	3
Massachusetts	.	--	.	92	8	0	5	1
New Hampshire	.	--	.	--	12	--	33	3
Rhode Island	.	--	.	--	28	--	--	1
Vermont	.	--	.	264	21	--	--	5
Middle Atlantic	**.**	**--**	**.**	**26**	**2**	**0**	**4**	**1**
New Jersey	.	--	.	31	10	0	6	1
New York	.	--	.	23	2	0	6	1
Pennsylvania	.	--	.	66	3	0	6	1
East North Central	**.**	**--**	**.**	**53**	**1**	**0**	**7**	*****
Illinois	.	--	.	71	2	--	25	*
Indiana	.	--	.	--	1	--	5	*
Michigan	.	--	.	--	5	0	9	1
Ohio	.	--	.	79	4	--	0	*
Wisconsin	.	--	.	--	4	--	29	1
West North Central	**.**	**--**	**.**	**--**	**1**	**0**	**11**	**1**
Iowa	.	--	.	--	1	--	--	2
Kansas	.	--	.	--	1	--	--	2
Minnesota	.	--	.	--	2	--	12	2
Missouri	.	--	.	--	2	0	0	1
Nebraska	.	--	.	--	3	--	--	2
North Dakota	.	--	.	--	2	--	43	2
South Dakota	.	--	.	--	2	--	0	2
South Atlantic	**.**	**--**	**.**	**24**	**2**	**0**	**3**	*****
Delaware	.	--	.	111	38	--	--	2
District of Columbia	.	--	.	--	--	--	--	165
Florida	.	--	.	20	3	--	3	1
Georgia	.	--	.	264	3	0	6	1
Maryland	.	--	.	90	6	--	1	1
North Carolina	.	--	.	86	4	0	36	1
South Carolina	.	--	.	--	2	0	0	1
Virginia	.	--	.	--	4	0	8	1
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**2**	**0**	**41**	**1**
Alabama	.	--	.	--	3	--	0	1
Kentucky	.	--	.	--	9	--	0	1
Mississippi	.	--	.	--	2	--	246	1
Tennessee	.	--	.	--	6	0	0	1
West South Central	**.**	**--**	**.**	**34**	**1**	**0**	**13**	**1**
Arkansas	.	--	.	--	3	0	0	1
Louisiana	.	--	.	--	4	--	10	1
Oklahoma	.	--	.	--	1	0	116	1
Texas	.	--	.	34	1	--	22	1
Mountain	**.**	**4**	**.**	**7**	**1**	**0**	**5**	**1**
Arizona	.	--	.	9	7	0	0	*
Colorado	.	--	.	20	2	0	47	1
Idaho	.	19	.	--	7	--	0	7
Montana	.	0	.	--	4	--	0	4
Nevada	.	4	.	7	3	--	43	1
New Mexico	.	--	.	30	4	--	--	1
Utah	.	4	.	343	5	--	5	2
Wyoming	.	--	.	--	2	--	0	2
Pacific Contiguous	**.**	**1**	**.**	**13**	**1**	**0**	**11**	**1**
California	.	1	.	13	1	0	10	1
Oregon	.	--	.	133	3	--	40	2
Washington	.	--	.	0	2	0	27	1
Pacific Noncontiguous	**.**	**0**	**.**	**145**	**8**	**--**	**0**	**3**
Alaska	.	--	.	--	105	--	0	7
Hawaii	.	0	.	145	8	--	0	2
U.S. Total	**.**	**2**	**.**	**8**	**1**	**0**	**3**	*****

* = 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 October 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	18
Maine	0	3	--	1	--	--	5
Massachusetts	5	4	--	1	--	0	10
New Hampshire	0	12	--	*	--	0	7
Rhode Island	--	17	--	*	--	--	158
Vermont	--	53	--	0	--	0	11
Middle Atlantic	**1**	**2**	**66**	*****	**5**	**0**	**1**
New Jersey	0	10	--	1	16	0	77
New York	2	2	0	1	--	0	1
Pennsylvania	1	3	66	*	4	0	5
East North Central	*****	**1**	**1**	*****	**2**	**0**	**6**
Illinois	*	2	--	1	11	0	30
Indiana	*	2	0	1	2	--	8
Michigan	*	3	24	1	0	0	11
Ohio	*	1	*	*	12	0	10
Wisconsin	*	10	0	1	--	0	9
West North Central	*****	**3**	**0**	**2**	**29**	**0**	**2**
Iowa	1	3	0	5	--	0	14
Kansas	0	5	0	8	--	0	114
Minnesota	1	12	0	1	--	0	15
Missouri	*	3	0	2	--	0	3
Nebraska	1	5	--	6	--	0	10
North Dakota	1	11	--	55	29	--	0
South Dakota	2	28	--	23	--	--	0
South Atlantic	*****	**1**	**0**	*****	**4**	**0**	**2**
Delaware	1	8	--	1	0	--	--
District of Columbia	--	0	--	54	--	--	--
Florida	*	2	0	*	0	0	31
Georgia	*	4	0	*	--	0	4
Maryland	*	4	--	2	9	0	1
North Carolina	*	3	--	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	--	--	3
Mississippi	*	4	--	*	--	0	--
Tennessee	*	1	--	*	0	0	3
West South Central	*****	**2**	**2**	*****	**1**	**0**	**2**
Arkansas	0	4	0	1	--	0	3
Louisiana	*	4	2	1	2	0	0
Oklahoma	*	5	0	*	--	--	5
Texas	*	3	1	*	1	0	11
Mountain	*****	**3**	**0**	*****	**4**	**0**	**1**
Arizona	*	3	0	*	--	0	1
Colorado	*	21	--	1	--	--	8
Idaho	17	298	--	3	--	--	3
Montana	2	16	0	39	0	--	2
Nevada	0	1	--	*	0	--	1
New Mexico	0	6	--	1	--	--	30
Utah	1	5	--	2	32	--	12
Wyoming	1	5	--	10	2	--	4
Pacific Contiguous	**1**	**8**	**20**	**1**	**1**	**0**	*****
California	3	3	20	1	2	0	2
Oregon	0	6	--	1	--	--	1
Washington	0	24	--	2	0	0	*
Pacific Noncontiguous	**1**	**1**	**--**	**4**	**29**	**--**	**7**
Alaska	3	2	--	4	133	--	8
Hawaii	1	1	--	--	30	--	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 October 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	**.**	**--**	**.**	**31**	**1**	**0**	**1**	*****
Connecticut	.	--	.	--	2	0	1	*
Maine	.	--	.	--	1	--	3	1
Massachusetts	.	--	.	33	2	0	1	*
New Hampshire	.	--	.	--	4	--	9	1
Rhode Island	.	--	.	--	7	--	--	*
Vermont	.	--	.	83	5	--	--	2
Middle Atlantic	**.**	**--**	**.**	**8**	**1**	**0**	**1**	*****
New Jersey	.	--	.	10	3	0	2	*
New York	.	--	.	5	1	0	2	*
Pennsylvania	.	--	.	26	1	0	1	*
East North Central	**.**	**--**	**.**	**19**	*****	**0**	**2**	*****
Illinois	.	--	.	27	1	--	6	*
Indiana	.	--	.	--	*	--	1	*
Michigan	.	--	.	--	2	0	3	*
Ohio	.	--	.	27	1	--	0	*
Wisconsin	.	--	.	--	1	--	8	*
West North Central	**.**	**--**	**.**	**--**	*****	**0**	**3**	*****
Iowa	.	--	.	--	*	--	--	*
Kansas	.	--	.	--	1	--	--	1
Minnesota	.	--	.	--	1	--	3	1
Missouri	.	--	.	--	1	0	0	*
Nebraska	.	--	.	--	1	--	--	1
North Dakota	.	--	.	--	1	--	12	1
South Dakota	.	--	.	--	1	--	0	1
South Atlantic	**.**	**--**	**.**	**7**	*****	**0**	**1**	*****
Delaware	.	--	.	35	8	--	--	1
District of Columbia	.	--	.	--	--	--	--	48
Florida	.	--	.	6	1	--	1	*
Georgia	.	--	.	112	1	0	2	*
Maryland	.	--	.	36	2	--	*	*
North Carolina	.	--	.	25	1	0	10	*
South Carolina	.	--	.	--	*	0	0	*
Virginia	.	--	.	--	1	0	2	*
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**1**	**0**	**14**	*****
Alabama	.	--	.	--	1	--	0	*
Kentucky	.	--	.	--	3	--	0	*
Mississippi	.	--	.	--	1	--	68	*
Tennessee	.	--	.	--	2	0	0	*
West South Central	**.**	**--**	**.**	**10**	*****	**0**	**3**	*****
Arkansas	.	--	.	--	1	0	0	*
Louisiana	.	--	.	--	2	--	2	*
Oklahoma	.	--	.	--	*	0	38	*
Texas	.	--	.	10	*	--	6	*
Mountain	**.**	**1**	**.**	**3**	*****	**0**	**2**	*****
Arizona	.	--	.	4	3	0	0	*
Colorado	.	--	.	8	1	0	12	*
Idaho	.	6	.	--	2	--	0	2
Montana	.	0	.	--	1	--	0	1
Nevada	.	1	.	3	1	--	12	*
New Mexico	.	--	.	10	1	--	--	*
Utah	.	1	.	121	1	--	2	1
Wyoming	.	--	.	--	1	--	0	1
Pacific Contiguous	**.**	*****	**.**	**4**	*****	**0**	**2**	*****
California	.	*	.	4	*	0	2	*
Oregon	.	--	.	56	1	--	11	1
Washington	.	--	.	0	*	0	5	*
Pacific Noncontiguous	**.**	**0**	**.**	**54**	**2**	**--**	**0**	**1**
Alaska	.	--	.	--	32	--	0	2
Hawaii	.	0	.	54	2	--	0	1
U.S. Total	**.**	*****	**.**	**3**	*****	**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, October 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**35**	**--**	**39**	**--**	**--**	**27**
Connecticut	--	55	--	192	--	--	166
Maine	--	122	--	--	--	--	--
Massachusetts	--	53	--	6	--	--	72
New Hampshire	0	1,190	--	0	--	--	22
Rhode Island	--	30	--	--	--	--	--
Vermont	--	318	--	0	--	--	50
Middle Atlantic	**0**	**18**	**--**	**10**	**--**	**--**	**1**
New Jersey	--	681	--	0	--	--	--
New York	0	18	--	10	--	--	1
Pennsylvania	--	203	--	986	--	--	14
East North Central	*****	**2**	**0**	**1**	**--**	**0**	**20**
Illinois	0	18	--	459	--	--	170
Indiana	*	4	0	2	--	--	16
Michigan	2	5	0	7	--	0	47
Ohio	1	2	--	2	--	--	23
Wisconsin	*	11	0	5	--	--	38
West North Central	**1**	**4**	**0**	**16**	**--**	**0**	**5**
Iowa	2	5	0	22	--	--	55
Kansas	0	13	0	55	--	0	--
Minnesota	3	19	0	7	--	0	76
Missouri	1	13	0	13	--	0	35
Nebraska	2	17	--	0	--	0	41
North Dakota	3	9	--	0	--	--	0
South Dakota	6	116	--	125	--	--	0
South Atlantic	**0**	**2**	**0**	**1**	**--**	**0**	**6**
Delaware	--	675	--	393	--	--	--
District of Columbia	--	0	--	165	--	--	--
Florida	0	2	0	1	--	0	87
Georgia	0	3	--	0	--	0	10
Maryland	--	47	--	0	--	--	--
North Carolina	0	3	--	6	--	0	8
South Carolina	0	18	0	3	--	0	22
Virginia	0	3	--	0	--	0	25
West Virginia	0	0	--	0	--	--	56
East South Central	*****	**1**	**0**	**4**	**--**	**0**	**4**
Alabama	*	0	--	14	--	0	5
Kentucky	1	4	0	7	--	--	6
Mississippi	0	11	--	2	--	0	--
Tennessee	0	*	--	0	--	0	6
West South Central	**0**	**9**	**0**	**3**	**--**	**0**	**14**
Arkansas	0	3	--	49	--	0	20
Louisiana	0	121	0	5	--	0	--
Oklahoma	0	24	--	2	--	--	29
Texas	0	8	0	6	--	--	28
Mountain	**1**	**7**	**--**	**1**	**--**	**0**	**6**
Arizona	0	4	--	2	--	0	3
Colorado	1	43	--	14	--	--	20
Idaho	--	657	--	0	--	--	12
Montana	111	294	--	206	--	--	10
Nevada	0	5	--	0	--	--	4
New Mexico	0	15	--	7	--	--	116
Utah	2	12	--	8	--	--	48
Wyoming	2	7	--	177	--	--	32
Pacific Contiguous	**0**	**11**	**--**	**2**	**187**	**0**	**2**
California	--	9	--	3	187	0	6
Oregon	0	0	--	0	--	--	3
Washington	--	120	--	3	--	0	2
Pacific Noncontiguous	**0**	**2**	**--**	**12**	**--**	**--**	**17**
Alaska	0	3	--	12	--	--	17
Hawaii	--	2	--	--	--	--	371
U.S. Total	*****	**3**	**0**	**1**	**187**	**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, October 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	**.**	**--**	**.**	**139**	**9**	**--**	**--**	**15**
Connecticut	.	--	.	--	--	--	--	120
Maine	.	--	.	--	--	--	--	122
Massachusetts	.	--	.	139	66	--	--	34
New Hampshire	.	--	.	--	0	--	--	9
Rhode Island	.	--	.	--	--	--	--	30
Vermont	.	--	.	--	0	--	--	41
Middle Atlantic	**.**	**--**	**.**	**74**	**74**	**0**	**--**	**4**
New Jersey	.	--	.	74	74	0	--	8
New York	.	--	.	--	--	0	--	4
Pennsylvania	.	--	.	--	--	--	--	15
East North Central	**.**	**--**	**.**	**244**	**6**	**0**	**0**	*****
Illinois	.	--	.	--	127	--	--	2
Indiana	.	--	.	--	18	--	0	*
Michigan	.	--	.	--	36	0	0	1
Ohio	.	--	.	244	104	--	--	1
Wisconsin	.	--	.	--	1	--	0	1
West North Central	**.**	**--**	**.**	**--**	**1**	**0**	**7**	**1**
Iowa	.	--	.	--	1	--	--	2
Kansas	.	--	.	--	0	--	--	2
Minnesota	.	--	.	--	2	--	0	2
Missouri	.	--	.	--	55	0	0	1
Nebraska	.	--	.	--	13	--	--	2
North Dakota	.	--	.	--	3	--	43	3
South Dakota	.	--	.	--	1	--	0	2
South Atlantic	**.**	**--**	**.**	**10**	**6**	**0**	**--**	*****
Delaware	.	--	.	343	343	--	--	330
District of Columbia	.	--	.	--	--	--	--	165
Florida	.	--	.	0	7	--	--	1
Georgia	.	--	.	--	0	0	--	*
Maryland	.	--	.	391	391	--	--	79
North Carolina	.	--	.	210	210	0	--	1
South Carolina	.	--	.	--	9	0	--	1
Virginia	.	--	.	--	8	0	--	*
West Virginia	.	--	.	--	--	--	--	*
East South Central	**.**	**--**	**.**	**--**	**32**	**0**	**0**	**1**
Alabama	.	--	.	--	293	--	--	2
Kentucky	.	--	.	--	32	--	0	1
Mississippi	.	--	.	--	0	--	--	1
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**	**.**	**50**	**3**	**0**	**43**	**1**
Arizona	.	--	.	50	44	0	--	*
Colorado	.	--	.	--	22	0	--	1
Idaho	.	--	.	--	0	--	--	11
Montana	.	--	.	--	43	--	--	13
Nevada	.	--	.	--	0	--	43	*
New Mexico	.	--	.	--	--	--	--	1
Utah	.	0	.	--	0	--	--	2
Wyoming	.	--	.	--	1	--	--	2
Pacific Contiguous	**.**	**0**	**.**	**37**	**3**	**0**	**--**	**1**
California	.	0	.	37	6	0	--	2
Oregon	.	--	.	300	3	--	--	2
Washington	.	--	.	0	3	0	--	1
Pacific Noncontiguous	**.**	**--**	**.**	**--**	**71**	**--**	**0**	**4**
Alaska	.	--	.	--	119	--	0	8
Hawaii	.	--	.	--	0	--	0	3
U.S. Total	**.**	**0**	**.**	**22**	**1**	**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.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through October 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**5**	**--**	**8**	**--**	**--**	**10**
Connecticut	--	20	--	70	--	--	60
Maine	--	55	--	--	--	--	--
Massachusetts	--	4	--	4	--	--	26
New Hampshire	0	2	--	0	--	--	9
Rhode Island	--	14	--	--	--	--	--
Vermont	--	59	--	0	--	--	19
Middle Atlantic	**205**	**2**	**--**	**2**	**--**	**--**	**1**
New Jersey	--	94	--	0	--	--	--
New York	205	2	--	2	--	--	1
Pennsylvania	--	92	--	193	--	--	4
East North Central	*****	**1**	**0**	**1**	**--**	**0**	**6**
Illinois	*	7	--	4	--	--	59
Indiana	*	2	0	1	--	--	8
Michigan	*	3	0	2	--	0	12
Ohio	*	1	--	1	--	--	10
Wisconsin	*	9	0	2	--	--	10
West North Central	*****	**2**	**0**	**2**	**--**	**0**	**2**
Iowa	1	3	0	5	--	--	14
Kansas	0	5	0	8	--	0	--
Minnesota	1	13	0	2	--	0	19
Missouri	*	3	0	2	--	0	3
Nebraska	1	5	--	6	--	0	10
North Dakota	1	9	--	1,082	--	--	0
South Dakota	2	30	--	23	--	--	0
South Atlantic	*****	**1**	**0**	*****	**--**	**0**	**2**
Delaware	--	114	--	108	--	--	--
District of Columbia	--	0	--	54	--	--	--
Florida	*	2	0	*	--	0	31
Georgia	*	2	--	*	--	0	4
Maryland	--	19	--	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	--	--	20
East South Central	*****	**1**	**0**	**1**	**--**	**0**	**1**
Alabama	*	0	--	4	--	0	2
Kentucky	*	2	0	2	--	--	3
Mississippi	*	5	--	1	--	0	--
Tennessee	0	*	--	0	--	0	3
West South Central	**0**	**3**	**0**	**1**	**--**	**0**	**3**
Arkansas	0	*	--	5	--	0	3
Louisiana	0	13	0	2	--	0	--
Oklahoma	0	4	--	*	--	--	5
Texas	0	5	0	2	--	--	11
Mountain	*****	**3**	**--**	*****	**--**	**0**	**1**
Arizona	0	2	--	*	--	0	1
Colorado	*	21	--	1	--	--	8
Idaho	--	298	--	7	--	--	3
Montana	34	150	--	41	--	--	2
Nevada	0	2	--	0	--	--	1
New Mexico	0	5	--	2	--	--	30
Utah	1	5	--	1	--	--	12
Wyoming	1	4	--	68	--	--	3
Pacific Contiguous	**0**	**5**	**--**	**1**	**52**	**0**	*****
California	--	2	--	1	52	0	2
Oregon	0	0	--	*	--	--	1
Washington	--	32	--	3	--	0	*
Pacific Noncontiguous	**0**	**1**	**--**	**4**	**--**	**--**	**8**
Alaska	0	2	--	4	--	--	8
Hawaii	--	1	--	--	--	--	93
U.S. Total	*****	**1**	**0**	*****	**52**	**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.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through October 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	**.**	**--**	**.**	**48**	**2**	**--**	**--**	**3**
Connecticut	.	--	.	--	--	--	--	43
Maine	.	--	.	--	--	--	--	55
Massachusetts	.	--	.	48	19	--	--	11
New Hampshire	.	--	.	--	0	--	--	2
Rhode Island	.	--	.	--	--	--	--	14
Vermont	.	--	.	--	0	--	--	12
Middle Atlantic	**.**	**--**	**.**	**24**	**24**	**0**	**--**	**1**
New Jersey	.	--	.	24	24	0	--	3
New York	.	--	.	--	--	0	--	1
Pennsylvania	.	--	.	--	--	--	--	4
East North Central	**.**	**--**	**.**	**102**	**2**	**0**	**0**	*****
Illinois	.	--	.	--	38	--	--	1
Indiana	.	--	.	--	4	--	0	*
Michigan	.	--	.	--	10	0	0	*
Ohio	.	--	.	102	33	--	--	*
Wisconsin	.	--	.	--	*	--	0	*
West North Central	**.**	**--**	**.**	**--**	*****	**0**	**2**	*****
Iowa	.	--	.	--	*	--	--	1
Kansas	.	--	.	--	0	--	--	1
Minnesota	.	--	.	--	1	--	0	1
Missouri	.	--	.	--	13	0	0	*
Nebraska	.	--	.	--	4	--	--	1
North Dakota	.	--	.	--	1	--	12	1
South Dakota	.	--	.	--	*	--	0	1
South Atlantic	**.**	**--**	**.**	**3**	**1**	**0**	**--**	*****
Delaware	.	--	.	108	108	--	--	94
District of Columbia	.	--	.	--	--	--	--	54
Florida	.	--	.	0	2	--	--	*
Georgia	.	--	.	--	0	0	--	*
Maryland	.	--	.	123	111	--	--	30
North Carolina	.	--	.	119	119	0	--	*
South Carolina	.	--	.	--	2	0	--	*
Virginia	.	--	.	--	1	0	--	*
West Virginia	.	--	.	--	--	--	--	*
East South Central	**.**	**--**	**.**	**--**	**8**	**0**	**0**	*****
Alabama	.	--	.	--	108	--	--	1
Kentucky	.	--	.	--	8	--	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**	**.**	**16**	**1**	**0**	**12**	*****
Arizona	.	--	.	16	14	0	--	*
Colorado	.	--	.	--	8	0	--	*
Idaho	.	--	.	--	0	--	--	3
Montana	.	--	.	--	14	--	--	2
Nevada	.	--	.	--	0	--	12	*
New Mexico	.	--	.	--	--	--	--	*
Utah	.	0	.	--	0	--	--	1
Wyoming	.	--	.	--	*	--	--	1
Pacific Contiguous	**.**	**0**	**.**	**13**	**1**	**0**	**--**	*****
California	.	0	.	13	2	0	--	1
Oregon	.	--	.	94	1	--	--	1
Washington	.	--	.	0	1	0	--	*
Pacific Noncontiguous	**.**	**--**	**.**	**--**	**13**	**--**	**0**	**1**
Alaska	.	--	.	--	37	--	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, October 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**29**	**9**	**--**	**1**	**--**	**0**	**12**
Connecticut	0	10	--	1	--	0	53
Maine	0	31	--	1	--	--	15
Massachusetts	32	18	--	1	--	0	30
New Hampshire	--	3,398	--	0	--	0	23
Rhode Island	--	256	--	1	--	--	440
Vermont	--	--	--	--	--	0	39
Middle Atlantic	**1**	**11**	**0**	**1**	**0**	**0**	**14**
New Jersey	0	32	--	2	--	0	247
New York	4	18	0	1	--	0	16
Pennsylvania	2	12	0	1	0	0	25
East North Central	*****	**3**	**0**	**1**	**0**	**0**	**98**
Illinois	0	0	--	4	0	0	155
Indiana	0	114,316	0	5	--	--	--
Michigan	0	0	0	3	0	0	152
Ohio	2	3	0	1	0	0	--
Wisconsin	0	0	--	0	--	0	180
West North Central	**--**	**83**	**--**	**5**	**--**	**0**	**112**
Iowa	--	106	--	0	--	0	569
Kansas	--	--	--	--	--	--	312
Minnesota	--	350	--	5	--	--	121
Missouri	--	0	--	12	--	--	--
South Dakota	--	142	--	--	--	--	--
South Atlantic	**1**	**6**	**--**	**3**	**--**	**0**	**8**
Delaware	2	37	--	2	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	0	21	--	12	--	--	--
Georgia	--	303	--	4	--	--	359
Maryland	0	15	--	6	--	0	4
North Carolina	20	66	--	2	--	--	226
South Carolina	0	0	--	51	--	--	169
Virginia	27	3	--	3	--	--	143
West Virginia	*	0	--	0	--	--	15
East South Central	**0**	**46**	**--**	*****	**--**	**--**	**387**
Alabama	0	46	--	0	--	--	--
Kentucky	--	--	--	202	--	--	387
Mississippi	0	0	--	4	--	--	--
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**26**
Arkansas	0	0	--	0	--	--	176
Louisiana	0	0	--	0	0	--	0
Oklahoma	0	--	--	6	--	--	--
Texas	0	0	0	1	0	0	188
Mountain	**5**	**27**	**0**	**2**	**0**	**--**	**14**
Arizona	--	--	--	1	--	--	--
Colorado	71	0	--	10	--	--	124
Idaho	--	--	--	4	--	--	47
Montana	4	19	0	795	0	--	14
Nevada	0	0	--	4	0	--	245
New Mexico	--	146	--	9	--	--	--
Utah	83	611	--	45	--	--	461
Wyoming	70	--	--	946	--	--	533
Pacific Contiguous	**2**	**5**	**93**	**1**	**0**	**--**	**30**
California	17	5	93	1	--	--	36
Oregon	--	--	--	*	--	--	68
Washington	0	13	--	0	0	--	89
Pacific Noncontiguous	**3**	**2**	**--**	**--**	**--**	**--**	**0**
Alaska	29	--	--	--	--	--	--
Hawaii	0	2	--	--	--	--	0
U.S. Total	**1**	**2**	**4**	**1**	**0**	**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.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, October 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	**.**	**--**	**.**	**113**	**4**	**0**	**4**	**1**
Connecticut	.	--	.	--	7	0	5	1
Maine	.	--	.	--	3	--	12	4
Massachusetts	.	--	.	125	7	0	5	1
New Hampshire	.	--	.	--	18	--	33	3
Rhode Island	.	--	.	--	28	--	--	1
Vermont	.	--	.	264	27	--	--	4
Middle Atlantic	**.**	**--**	**.**	**29**	**2**	**0**	**4**	*****
New Jersey	.	--	.	36	12	--	9	1
New York	.	--	.	0	2	--	5	1
Pennsylvania	.	--	.	71	3	0	6	1
East North Central	**.**	**--**	**.**	**54**	**1**	**--**	**18**	*****
Illinois	.	--	.	71	2	--	0	*
Indiana	.	--	.	--	*	--	--	1
Michigan	.	--	.	--	6	--	18	2
Ohio	.	--	.	81	4	--	--	*
Wisconsin	.	--	.	--	9	--	--	1
West North Central	**.**	**--**	**.**	**--**	**1**	**--**	**26**	**1**
Iowa	.	--	.	--	1	--	--	1
Kansas	.	--	.	--	1	--	--	1
Minnesota	.	--	.	--	3	--	26	3
Missouri	.	--	.	--	1	--	--	3
Nebraska	.	--	.	--	0	--	--	0
North Dakota	.	--	.	--	3	--	--	3
South Dakota	.	--	.	--	2	--	--	2
South Atlantic	**.**	**--**	**.**	**44**	**3**	**--**	**4**	**1**
Delaware	.	--	.	117	39	--	--	2
District of Columbia	.	--	.	--	--	--	--	0
Florida	.	--	.	66	5	--	5	7
Georgia	.	--	.	--	41	--	--	4
Maryland	.	--	.	95	7	--	0	*
North Carolina	.	--	.	90	6	--	35	8
South Carolina	.	--	.	--	67	--	--	48
Virginia	.	--	.	--	10	--	0	4
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**6**	**--**	**--**	*****
Alabama	.	--	.	--	0	--	--	*
Kentucky	.	--	.	--	--	--	--	183
Mississippi	.	--	.	--	0	--	--	3
Tennessee	.	--	.	--	20	--	--	20
West South Central	**.**	**--**	**.**	**34**	**1**	**--**	**0**	**1**
Arkansas	.	--	.	--	35	--	--	*
Louisiana	.	--	.	--	36	--	--	*
Oklahoma	.	--	.	--	1	--	--	2
Texas	.	--	.	34	1	--	0	1
Mountain	**.**	**4**	**.**	**7**	**2**	**--**	**3**	**2**
Arizona	.	--	.	8	6	--	0	1
Colorado	.	--	.	20	2	--	64	5
Idaho	.	19	.	--	9	--	--	6
Montana	.	0	.	--	3	--	0	4
Nevada	.	4	.	7	3	--	--	2
New Mexico	.	--	.	30	4	--	--	5
Utah	.	21	.	343	7	--	188	28
Wyoming	.	--	.	--	4	--	--	16
Pacific Contiguous	**.**	**2**	**.**	**12**	**1**	**--**	**13**	**1**
California	.	2	.	12	1	--	15	1
Oregon	.	--	.	148	3	--	40	1
Washington	.	--	.	--	1	--	31	1
Pacific Noncontiguous	**.**	**0**	**.**	**145**	**10**	**--**	**0**	**2**
Alaska	.	--	.	--	--	--	0	29
Hawaii	.	0	.	145	10	--	0	2
U.S. Total	**.**	**2**	**.**	**7**	**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 October 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	19
Maine	0	1	--	*	--	--	6
Massachusetts	5	3	--	*	--	0	11
New Hampshire	--	1,336	--	0	--	0	9
Rhode Island	--	92	--	*	--	--	158
Vermont	--	--	--	--	--	0	14
Middle Atlantic	**1**	**3**	**0**	*****	**32**	**0**	**5**
New Jersey	0	9	--	1	--	0	77
New York	2	5	0	*	--	0	6
Pennsylvania	1	3	0	*	32	0	9
East North Central	*****	**1**	**0**	*****	**0**	**0**	**23**
Illinois	0	0	--	1	0	0	31
Indiana	*	44,951	0	2	--	--	--
Michigan	2	0	0	1	0	0	39
Ohio	*	1	0	*	0	0	--
Wisconsin	0	0	--	0	--	0	45
West North Central	**--**	**10**	**--**	**1**	**--**	**0**	**29**
Iowa	--	47	--	1,095	--	0	140
Kansas	--	--	--	--	--	--	114
Minnesota	--	3	--	2	--	--	31
Missouri	--	0	--	1	--	--	--
South Dakota	--	65	--	--	--	--	--
South Atlantic	*****	**2**	**--**	**1**	**--**	**0**	**2**
Delaware	1	7	--	1	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	1	6	--	2	--	--	--
Georgia	--	142	--	1	--	--	108
Maryland	*	4	--	1	--	0	1
North Carolina	7	58	--	1	--	--	72
South Carolina	46	0	--	5	--	--	54
Virginia	11	2	--	1	--	--	50
West Virginia	*	0	--	0	--	--	4
East South Central	**0**	**25**	**--**	*****	**--**	**--**	**141**
Alabama	0	25	--	*	--	--	--
Kentucky	--	--	--	11	--	--	141
Mississippi	0	0	--	*	--	--	--
West South Central	**0**	**0**	**0**	*****	**0**	**0**	**4**
Arkansas	0	0	--	0	--	--	61
Louisiana	0	0	--	*	0	--	0
Oklahoma	0	--	--	1	--	--	--
Texas	0	0	0	*	0	0	67
Mountain	**2**	**11**	**0**	**1**	**0**	**--**	**4**
Arizona	--	--	--	*	--	--	--
Colorado	23	0	--	2	--	--	32
Idaho	--	--	--	2	--	--	10
Montana	2	13	0	109	0	--	4
Nevada	0	0	--	1	0	--	61
New Mexico	--	70	--	2	--	--	--
Utah	29	278	--	15	--	--	114
Wyoming	21	--	--	132	--	--	137
Pacific Contiguous	**1**	**4**	**20**	*****	**0**	**--**	**7**
California	4	5	20	1	--	--	9
Oregon	--	--	--	1	--	--	20
Washington	0	7	--	0	0	--	22
Pacific Noncontiguous	**1**	**1**	**--**	**--**	**--**	**--**	**0**
Alaska	11	--	--	--	--	--	--
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 October 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	**.**	**--**	**.**	**42**	**1**	**0**	**1**	*****
Connecticut	.	--	.	--	2	0	1	*
Maine	.	--	.	--	1	--	3	2
Massachusetts	.	--	.	48	2	0	1	*
New Hampshire	.	--	.	--	5	--	9	1
Rhode Island	.	--	.	--	7	--	--	*
Vermont	.	--	.	83	9	--	--	2
Middle Atlantic	**.**	**--**	**.**	**9**	**1**	**0**	**1**	*****
New Jersey	.	--	.	12	4	--	2	*
New York	.	--	.	0	1	--	1	*
Pennsylvania	.	--	.	30	1	0	2	*
East North Central	**.**	**--**	**.**	**19**	*****	**--**	**5**	*****
Illinois	.	--	.	27	1	--	0	*
Indiana	.	--	.	--	*	--	--	*
Michigan	.	--	.	--	2	--	5	1
Ohio	.	--	.	28	1	--	--	*
Wisconsin	.	--	.	--	3	--	--	*
West North Central	**.**	**--**	**.**	**--**	*****	**--**	**7**	*****
Iowa	.	--	.	--	*	--	--	*
Kansas	.	--	.	--	1	--	--	1
Minnesota	.	--	.	--	1	--	7	1
Missouri	.	--	.	--	*	--	--	1
Nebraska	.	--	.	--	0	--	--	0
North Dakota	.	--	.	--	1	--	--	1
South Dakota	.	--	.	--	1	--	--	1
South Atlantic	**.**	**--**	**.**	**14**	**1**	**--**	**1**	*****
Delaware	.	--	.	37	8	--	--	1
District of Columbia	.	--	.	--	--	--	--	0
Florida	.	--	.	21	1	--	1	1
Georgia	.	--	.	--	11	--	--	1
Maryland	.	--	.	39	2	--	0	*
North Carolina	.	--	.	26	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	.	--	.	--	9	--	--	*
Louisiana	.	--	.	--	9	--	--	*
Oklahoma	.	--	.	--	1	--	--	*
Texas	.	--	.	10	*	--	0	*
Mountain	**.**	**1**	**.**	**3**	*****	**--**	**1**	**1**
Arizona	.	--	.	3	2	--	0	*
Colorado	.	--	.	8	1	--	18	1
Idaho	.	6	.	--	2	--	--	3
Montana	.	0	.	--	1	--	0	1
Nevada	.	1	.	3	1	--	--	1
New Mexico	.	--	.	10	1	--	--	1
Utah	.	6	.	121	2	--	46	8
Wyoming	.	--	.	--	1	--	--	5
Pacific Contiguous	**.**	*****	**.**	**3**	*****	**--**	**4**	*****
California	.	*	.	3	*	--	4	*
Oregon	.	--	.	71	1	--	11	1
Washington	.	--	.	--	*	--	9	1
Pacific Noncontiguous	**.**	**0**	**.**	**54**	**3**	**--**	**0**	**1**
Alaska	.	--	.	--	--	--	0	11
Hawaii	.	0	.	54	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, October 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**--**	**27**	**--**	**28**	**--**	**.**	**484**
Connecticut	--	0	--	59	--	.	--
Maine	--	224	--	1,291	--	.	--
Massachusetts	--	27	--	24	--	.	484
New Hampshire	--	79	--	--	--	.	--
Rhode Island	--	314	--	128	--	.	--
Vermont	--	290	--	--	--	.	--
Middle Atlantic	**0**	**57**	**--**	**23**	**0**	**.**	**493**
New Jersey	--	270	--	78	0	.	--
New York	0	72	--	22	--	.	493
Pennsylvania	0	37	--	122	--	.	--
East North Central	**18**	**151**	**--**	**16**	**--**	**.**	**510**
Illinois	103	413	--	13	--	.	--
Indiana	18	953	--	123	--	.	--
Michigan	0	128	--	22	--	.	--
Ohio	0	250	--	66	--	.	--
Wisconsin	109	1,532	--	75	--	.	510
West North Central	**22**	**113**	**0**	**38**	**--**	**.**	**--**
Iowa	33	623	0	227	--	.	--
Minnesota	117	122	--	61	--	.	--
Missouri	0	333	--	0	--	.	--
Nebraska	--	--	--	346	--	.	--
North Dakota	--	633	--	--	--	.	--
South Dakota	--	670	--	--	--	.	--
South Atlantic	**55**	**87**	**--**	**72**	**--**	**.**	**140**
Florida	--	0	--	391	--	.	--
Georgia	--	81	--	0	--	.	--
Maryland	0	2,170	--	62	--	.	--
North Carolina	0	278	--	0	--	.	140
South Carolina	--	138	--	0	--	.	0
Virginia	188	0	--	--	--	.	--
East South Central	**99**	**--**	**--**	**100**	**--**	**.**	**--**
Mississippi	--	--	--	404	--	.	--
Tennessee	99	--	--	81	--	.	--
West South Central	**--**	**183**	**--**	**49**	**--**	**.**	**--**
Arkansas	--	--	--	1,704	--	.	--
Louisiana	--	--	--	288	--	.	--
Oklahoma	--	134	--	457	--	.	--
Texas	--	269	--	44	--	.	--
Mountain	**--**	**400**	**--**	**32**	**--**	**.**	**--**
Arizona	--	400	--	56	--	.	--
Colorado	--	0	--	0	--	.	--
Nevada	--	--	--	59	--	.	--
New Mexico	--	--	--	53	--	.	--
Utah	--	0	--	257	--	.	--
Pacific Contiguous	**--**	**238**	**--**	**13**	**0**	**.**	**356**
California	--	146	--	13	0	.	356
Oregon	--	735	--	103	--	.	--
Washington	--	891	--	289	--	.	--
Pacific Noncontiguous	**10**	**102**	**--**	**310**	**--**	**.**	**--**
Alaska	10	134	--	310	--	.	--
Hawaii	--	0	--	--	--	.	--
U.S. Total	**10**	**22**	**0**	**9**	**0**	**.**	**175**

* = 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, October 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	**.**	**.**	**.**	**322**	**29**	**.**	**41**	**19**
Connecticut	.	.	.	--	--	.	--	59
Maine	.	.	.	--	28	.	41	24
Massachusetts	.	.	.	322	163	.	--	22
New Hampshire	.	.	.	--	--	.	--	79
Rhode Island	.	.	.	--	--	.	--	125
Vermont	.	.	.	--	198	.	--	165
Middle Atlantic	**.**	**.**	**.**	**92**	**10**	**.**	**12**	**11**
New Jersey	.	.	.	92	13	.	0	17
New York	.	.	.	373	27	.	38	17
Pennsylvania	.	.	.	0	11	.	0	26
East North Central	**.**	**.**	**.**	**--**	**10**	**.**	**12**	**10**
Illinois	.	.	.	--	0	.	--	13
Indiana	.	.	.	--	63	.	92	35
Michigan	.	.	.	--	9	.	12	12
Ohio	.	.	.	--	--	.	--	65
Wisconsin	.	.	.	--	85	.	1,427	66
West North Central	**.**	**.**	**.**	**--**	**41**	**.**	**75**	**20**
Iowa	.	.	.	--	53	.	--	28
Minnesota	.	.	.	--	79	.	75	45
Missouri	.	.	.	--	--	.	0	*
Nebraska	.	.	.	--	82	.	--	106
North Dakota	.	.	.	--	--	.	--	633
South Dakota	.	.	.	--	--	.	--	670
South Atlantic	**.**	**.**	**.**	**191**	**13**	**.**	**17**	**18**
Delaware	.	.	.	--	191	.	--	191
Florida	.	.	.	391	50	.	--	149
Georgia	.	.	.	264	65	.	--	61
Maryland	.	.	.	391	37	.	445	45
North Carolina	.	.	.	--	--	.	--	23
South Carolina	.	.	.	--	--	.	--	138
Virginia	.	.	.	--	12	.	17	13
East South Central	**.**	**.**	**.**	**--**	**--**	**.**	**0**	**90**
Mississippi	.	.	.	--	--	.	0	404
Tennessee	.	.	.	--	--	.	--	72
West South Central	**.**	**.**	**.**	**331**	**49**	**.**	**--**	**45**
Arkansas	.	.	.	--	131	.	--	199
Louisiana	.	.	.	--	--	.	--	288
Oklahoma	.	.	.	--	--	.	--	439
Texas	.	.	.	331	53	.	--	40
Mountain	**.**	**.**	**.**	**46**	**41**	**.**	**--**	**26**
Arizona	.	.	.	277	153	.	--	52
Colorado	.	.	.	78	65	.	--	65
Nevada	.	.	.	47	47	.	--	42
New Mexico	.	.	.	--	237	.	--	52
Utah	.	.	.	--	--	.	--	257
Pacific Contiguous	**.**	**.**	**.**	**65**	**8**	**.**	**0**	**8**
California	.	.	.	65	8	.	0	8
Oregon	.	.	.	--	57	.	--	72
Washington	.	.	.	--	--	.	--	282
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**0**	**.**	**0**	**5**
Alaska	.	.	.	--	--	.	--	11
Hawaii	.	.	.	--	0	.	0	0
U.S. Total	**.**	**.**	**.**	**39**	**5**	**.**	**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 October 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**--**	**14**	**--**	**7**	**--**	**.**	**165**
Connecticut	--	0	--	17	--	.	--
Maine	--	89	--	334	--	.	--
Massachusetts	--	14	--	5	--	.	165
New Hampshire	--	33	--	--	--	.	--
Rhode Island	--	118	--	33	--	.	--
Vermont	--	114	--	--	--	.	--
Middle Atlantic	**84**	**18**	**--**	**7**	**107**	**.**	**169**
New Jersey	--	103	--	21	107	.	--
New York	0	21	--	7	--	.	169
Pennsylvania	84	22	--	29	--	.	--
East North Central	**3**	**47**	**--**	**6**	**--**	**.**	**137**
Illinois	13	56	--	5	--	.	--
Indiana	5	448	--	32	--	.	--
Michigan	0	30	--	11	--	.	--
Ohio	84	114	--	18	--	.	--
Wisconsin	35	780	--	29	--	.	137
West North Central	**8**	**80**	**0**	**14**	**--**	**.**	**--**
Iowa	11	226	0	89	--	.	--
Minnesota	48	88	--	25	--	.	--
Missouri	0	151	--	0	--	.	--
Nebraska	--	--	--	143	--	.	--
North Dakota	--	287	--	--	--	.	--
South Dakota	--	304	--	--	--	.	--
South Atlantic	**19**	**41**	**--**	**17**	**--**	**.**	**58**
Florida	--	0	--	59	--	.	--
Georgia	--	37	--	0	--	.	--
Maryland	0	1,207	--	18	--	.	--
North Carolina	0	126	--	0	--	.	58
South Carolina	--	63	--	189	--	.	556
Virginia	58	0	--	--	--	.	--
East South Central	**32**	**--**	**--**	**24**	**--**	**.**	**--**
Mississippi	--	--	--	84	--	.	--
Tennessee	32	--	--	22	--	.	--
West South Central	**--**	**84**	**--**	**10**	**--**	**.**	**--**
Arkansas	--	--	--	480	--	.	--
Louisiana	--	--	--	60	--	.	--
Oklahoma	--	61	--	60	--	.	--
Texas	--	124	--	10	--	.	--
Mountain	**--**	**182**	**--**	**12**	**--**	**.**	**--**
Arizona	--	182	--	21	--	.	--
Colorado	--	0	--	0	--	.	--
Nevada	--	--	--	23	--	.	--
New Mexico	--	--	--	20	--	.	--
Utah	--	0	--	120	--	.	--
Pacific Contiguous	**--**	**172**	**--**	**5**	**0**	**.**	**133**
California	--	66	--	5	0	.	133
Oregon	--	259	--	43	--	.	--
Washington	--	763	--	92	--	.	--
Pacific Noncontiguous	**4**	**65**	**--**	**127**	**--**	**.**	**--**
Alaska	4	108	--	127	--	.	--
Hawaii	--	0	--	--	--	.	--
U.S. Total	**3**	**11**	**0**	**3**	**107**	**.**	**61**

* = 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 October 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	**.**	**.**	**.**	**98**	**9**	**.**	**10**	**5**
Connecticut	.	.	.	--	--	.	--	17
Maine	.	.	.	--	8	.	10	6
Massachusetts	.	.	.	98	41	.	--	5
New Hampshire	.	.	.	--	--	.	--	33
Rhode Island	.	.	.	--	--	.	--	33
Vermont	.	.	.	--	74	.	--	66
Middle Atlantic	**.**	**.**	**.**	**29**	**3**	**.**	**3**	**3**
New Jersey	.	.	.	30	4	.	0	5
New York	.	.	.	127	8	.	9	5
Pennsylvania	.	.	.	252	2	.	0	7
East North Central	**.**	**.**	**.**	**--**	**4**	**.**	**4**	**4**
Illinois	.	.	.	--	1,113	.	--	5
Indiana	.	.	.	--	19	.	23	9
Michigan	.	.	.	--	3	.	4	5
Ohio	.	.	.	--	--	.	--	17
Wisconsin	.	.	.	--	24	.	552	25
West North Central	**.**	**.**	**.**	**--**	**12**	**.**	**20**	**7**
Iowa	.	.	.	--	16	.	--	10
Minnesota	.	.	.	--	23	.	20	18
Missouri	.	.	.	--	--	.	0	*
Nebraska	.	.	.	--	23	.	--	39
North Dakota	.	.	.	--	--	.	--	287
South Dakota	.	.	.	--	--	.	--	304
South Atlantic	**.**	**.**	**.**	**77**	**4**	**.**	**4**	**5**
Delaware	.	.	.	--	61	.	--	61
Florida	.	.	.	203	14	.	--	31
Georgia	.	.	.	112	19	.	--	18
Maryland	.	.	.	124	12	.	156	13
North Carolina	.	.	.	--	--	.	--	10
South Carolina	.	.	.	--	--	.	--	156
Virginia	.	.	.	--	3	.	4	4
East South Central	**.**	**.**	**.**	**--**	**--**	**.**	**0**	**21**
Mississippi	.	.	.	--	--	.	0	84
Tennessee	.	.	.	--	--	.	--	20
West South Central	**.**	**.**	**.**	**214**	**14**	**.**	**--**	**10**
Arkansas	.	.	.	--	38	.	--	55
Louisiana	.	.	.	--	--	.	--	60
Oklahoma	.	.	.	--	--	.	--	59
Texas	.	.	.	214	15	.	--	9
Mountain	**.**	**.**	**.**	**15**	**14**	**.**	**--**	**10**
Arizona	.	.	.	87	48	.	--	20
Colorado	.	.	.	30	25	.	--	21
Nevada	.	.	.	16	16	.	--	15
New Mexico	.	.	.	--	75	.	--	19
Utah	.	.	.	--	--	.	--	120
Pacific Contiguous	**.**	**.**	**.**	**23**	**2**	**.**	**0**	**3**
California	.	.	.	23	2	.	0	3
Oregon	.	.	.	--	17	.	--	29
Washington	.	.	.	--	--	.	--	91
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, October 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**43**	**15**	**--**	**11**	**--**	**.**	**16**
Connecticut	--	223	--	58	--	.	--
Maine	0	11	--	10	--	.	15
Massachusetts	74	3,360	--	73	--	.	465
New Hampshire	--	2,449	--	169	--	.	503
Vermont	--	--	--	--	--	.	241
Middle Atlantic	**9**	**11**	**139**	**22**	**18**	**.**	**139**
New Jersey	--	555	--	38	83	.	--
New York	0	4	--	43	--	.	139
Pennsylvania	13	83	139	31	13	.	--
East North Central	**4**	**17**	**31**	**18**	**11**	**.**	**123**
Illinois	5	3,379	--	44	59	.	--
Indiana	61	26	--	24	9	.	--
Michigan	25	0	155	36	--	.	308
Ohio	13	0	0	91	72	.	--
Wisconsin	6	178	0	45	--	.	134
West North Central	**6**	**142**	**0**	**44**	**156**	**.**	**165**
Iowa	6	306	0	0	--	.	--
Kansas	--	--	--	0	--	.	--
Minnesota	15	207	--	56	--	.	165
Missouri	73	0	--	701	--	.	--
Nebraska	25	--	--	110	--	.	--
North Dakota	45	209	--	131	156	.	--
South Atlantic	**11**	**27**	**0**	**18**	**31**	**.**	**17**
Delaware	--	--	--	0	0	.	--
Florida	54	156	--	31	0	.	--
Georgia	15	35	0	33	--	.	255
Maryland	0	118	--	77	77	.	--
North Carolina	51	114	--	120	--	.	702
South Carolina	0	0	--	73	--	.	--
Virginia	20	42	--	58	--	.	347
West Virginia	5	--	--	369	0	.	0
East South Central	**4**	**44**	**--**	**22**	**13**	**.**	**--**
Alabama	30	46	--	18	14	.	--
Kentucky	--	--	--	56	--	.	--
Mississippi	0	0	--	76	--	.	--
Tennessee	2	264	--	51	0	.	--
West South Central	**34**	**59**	**11**	**4**	**6**	**.**	**--**
Arkansas	0	143	0	58	--	.	--
Louisiana	0	0	69	4	7	.	--
Oklahoma	43	0	0	142	--	.	--
Texas	383	290	4	6	10	.	--
Mountain	**12**	**192**	**0**	**15**	**14**	**.**	**--**
Arizona	55	182	0	272	--	.	--
Colorado	--	2,093	--	104	--	.	--
Idaho	48	--	--	58	--	.	--
Montana	165	0	--	0	0	.	--
Nevada	--	--	--	28	--	.	--
New Mexico	--	0	--	49	--	.	--
Utah	0	--	--	29	105	.	--
Wyoming	20	1,129	--	16	8	.	--
Pacific Contiguous	**2**	**65**	**0**	**5**	**6**	**.**	**976**
California	3	119	0	5	6	.	--
Oregon	--	0	--	65	--	.	--
Washington	0	76	--	0	--	.	976
Pacific Noncontiguous	**146**	**24**	**--**	**84**	**104**	**.**	**239**
Alaska	--	15	--	84	652	.	--
Hawaii	146	29	--	--	103	.	239
U.S. Total	**3**	**14**	**10**	**3**	**5**	**.**	**18**

* = 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, October 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**	**.**	**15**	**6**
Connecticut	.	.	.	--	--	.	384	57
Maine	.	.	.	--	2	.	0	5
Massachusetts	.	.	.	--	--	.	--	61
New Hampshire	.	.	.	--	389	.	--	157
Vermont	.	.	.	--	--	.	--	241
Middle Atlantic	**.**	**.**	**.**	**155**	**6**	**.**	**0**	**8**
New Jersey	.	.	.	391	391	.	0	35
New York	.	.	.	--	7	.	--	13
Pennsylvania	.	.	.	166	8	.	--	10
East North Central	**.**	**.**	**.**	**--**	**5**	**.**	**10**	**4**
Illinois	.	.	.	--	0	.	25	8
Indiana	.	.	.	--	65	.	0	8
Michigan	.	.	.	--	8	.	0	13
Ohio	.	.	.	--	10	.	0	16
Wisconsin	.	.	.	--	7	.	65	8
West North Central	**.**	**.**	**.**	**--**	**6**	**.**	**61**	**6**
Iowa	.	.	.	--	0	.	--	6
Kansas	.	.	.	--	--	.	--	0
Minnesota	.	.	.	--	6	.	61	11
Missouri	.	.	.	--	176	.	--	74
Nebraska	.	.	.	--	--	.	--	26
North Dakota	.	.	.	--	173	.	--	46
South Atlantic	**.**	**.**	**.**	**--**	**2**	**.**	**5**	**4**
Delaware	.	.	.	--	--	.	--	0
Florida	.	.	.	--	5	.	5	9
Georgia	.	.	.	--	3	.	6	7
Maryland	.	.	.	--	0	.	--	21
North Carolina	.	.	.	--	4	.	0	10
South Carolina	.	.	.	--	0	.	0	2
Virginia	.	.	.	--	4	.	0	9
West Virginia	.	.	.	--	--	.	0	4
East South Central	**.**	**.**	**.**	**--**	**2**	**.**	**217**	**4**
Alabama	.	.	.	--	4	.	0	5
Kentucky	.	.	.	--	3	.	--	25
Mississippi	.	.	.	--	2	.	246	16
Tennessee	.	.	.	--	7	.	0	3
West South Central	**.**	**.**	**.**	**--**	**3**	**.**	**13**	**3**
Arkansas	.	.	.	--	2	.	0	7
Louisiana	.	.	.	--	4	.	10	3
Oklahoma	.	.	.	--	16	.	116	29
Texas	.	.	.	--	7	.	22	5
Mountain	**.**	**.**	**.**	**251**	**3**	**.**	**12**	**7**
Arizona	.	.	.	--	--	.	--	53
Colorado	.	.	.	--	228	.	60	52
Idaho	.	.	.	--	2	.	0	8
Montana	.	.	.	--	--	.	--	165
Nevada	.	.	.	251	251	.	--	27
New Mexico	.	.	.	--	--	.	--	49
Utah	.	.	.	--	--	.	0	6
Wyoming	.	.	.	--	--	.	0	10
Pacific Contiguous	**.**	**.**	**.**	**284**	**4**	**.**	**14**	**3**
California	.	.	.	284	10	.	13	4
Oregon	.	.	.	--	6	.	0	15
Washington	.	.	.	--	5	.	40	5
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**28**	**.**	**--**	**23**
Alaska	.	.	.	--	202	.	--	49
Hawaii	.	.	.	--	28	.	--	25
U.S. Total	**.**	**.**	**.**	**130**	**1**	**.**	**6**	**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.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through October 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**15**	**8**	**--**	**3**	**--**	**.**	**7**
Connecticut	--	82	--	15	--	.	--
Maine	0	5	--	3	--	.	7
Massachusetts	26	1,504	--	18	--	.	159
New Hampshire	--	1,391	--	46	--	.	164
Vermont	--	--	--	--	--	.	87
Middle Atlantic	**3**	**4**	**66**	**6**	**4**	**.**	**51**
New Jersey	--	147	--	11	16	.	--
New York	0	1	--	13	--	.	51
Pennsylvania	5	41	66	9	3	.	--
East North Central	**1**	**14**	**11**	**6**	**3**	**.**	**31**
Illinois	2	1,346	--	12	11	.	--
Indiana	22	10	--	8	2	.	--
Michigan	11	0	56	15	--	.	76
Ohio	5	0	212	27	14	.	--
Wisconsin	2	206	0	21	--	.	33
West North Central	**2**	**106**	**0**	**20**	**29**	**.**	**37**
Iowa	2	139	0	72	--	.	--
Kansas	--	--	--	67	--	.	--
Minnesota	5	157	--	28	--	.	37
Missouri	23	0	--	166	--	.	--
Nebraska	9	--	--	45	--	.	--
North Dakota	16	154	--	55	29	.	--
South Atlantic	**3**	**7**	**0**	**4**	**4**	**.**	**4**
Delaware	--	--	--	0	0	.	--
Florida	18	22	--	7	0	.	--
Georgia	5	10	0	10	--	.	94
Maryland	0	12	--	15	9	.	--
North Carolina	18	28	--	29	--	.	177
South Carolina	4	0	--	20	--	.	--
Virginia	7	13	--	15	--	.	123
West Virginia	2	--	--	84	0	.	*
East South Central	**2**	**20**	**--**	**5**	**4**	**.**	**--**
Alabama	10	23	--	4	4	.	--
Kentucky	--	--	--	16	--	.	--
Mississippi	0	0	--	17	--	.	--
Tennessee	1	95	--	15	0	.	--
West South Central	**11**	**19**	**4**	**1**	**2**	**.**	**--**
Arkansas	0	76	0	13	--	.	--
Louisiana	154	0	32	1	3	.	--
Oklahoma	13	0	0	36	--	.	--
Texas	111	99	1	1	2	.	--
Mountain	**4**	**92**	**0**	**5**	**4**	**.**	**--**
Arizona	17	60	0	114	--	.	--
Colorado	--	951	--	42	--	.	--
Idaho	17	--	--	17	--	.	--
Montana	53	0	--	0	0	.	--
Nevada	--	--	--	11	--	.	--
New Mexico	--	0	--	20	--	.	--
Utah	0	--	--	9	32	.	--
Wyoming	7	869	--	6	2	.	--
Pacific Contiguous	**2**	**38**	**0**	**2**	**2**	**.**	**239**
California	2	44	0	2	2	.	--
Oregon	--	0	--	28	--	.	--
Washington	0	44	--	0	--	.	239
Pacific Noncontiguous	**43**	**11**	**--**	**35**	**29**	**.**	**60**
Alaska	--	7	--	35	133	.	--
Hawaii	43	14	--	--	30	.	60
U.S. Total	**1**	**5**	**4**	**1**	**1**	**.**	**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.5.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through October 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	.	.	.	--	--	.	105	15
Maine	.	.	.	--	1	.	0	2
Massachusetts	.	.	.	--	--	.	--	16
New Hampshire	.	.	.	--	177	.	--	46
Vermont	.	.	.	--	--	.	--	87
Middle Atlantic	**.**	**.**	**.**	**50**	**2**	**.**	**0**	**3**
New Jersey	.	.	.	123	123	.	0	9
New York	.	.	.	--	2	.	--	5
Pennsylvania	.	.	.	53	3	.	--	3
East North Central	**.**	**.**	**.**	**--**	**2**	**.**	**2**	**1**
Illinois	.	.	.	--	0	.	6	2
Indiana	.	.	.	--	19	.	0	2
Michigan	.	.	.	--	2	.	0	5
Ohio	.	.	.	--	3	.	0	4
Wisconsin	.	.	.	--	3	.	21	3
West North Central	**.**	**.**	**.**	**--**	**2**	**.**	**16**	**2**
Iowa	.	.	.	--	0	.	--	2
Kansas	.	.	.	--	--	.	--	67
Minnesota	.	.	.	--	3	.	16	4
Missouri	.	.	.	--	47	.	--	22
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	.	.	.	--	2	.	0	3
West Virginia	.	.	.	--	--	.	0	1
East South Central	**.**	**.**	**.**	**--**	**1**	**.**	**56**	**1**
Alabama	.	.	.	--	1	.	0	1
Kentucky	.	.	.	--	1	.	--	8
Mississippi	.	.	.	--	1	.	68	3
Tennessee	.	.	.	--	3	.	0	1
West South Central	**.**	**.**	**.**	**--**	**1**	**.**	**3**	**1**
Arkansas	.	.	.	--	1	.	0	2
Louisiana	.	.	.	--	2	.	2	1
Oklahoma	.	.	.	--	6	.	38	8
Texas	.	.	.	--	2	.	6	1
Mountain	**.**	**.**	**.**	**104**	**1**	**.**	**4**	**2**
Arizona	.	.	.	--	--	.	--	17
Colorado	.	.	.	--	76	.	15	16
Idaho	.	.	.	--	1	.	0	3
Montana	.	.	.	--	--	.	--	53
Nevada	.	.	.	104	104	.	--	11
New Mexico	.	.	.	--	--	.	--	20
Utah	.	.	.	--	--	.	0	2
Wyoming	.	.	.	--	--	.	0	4
Pacific Contiguous	**.**	**.**	**.**	**129**	**2**	**.**	**3**	**1**
California	.	.	.	129	4	.	3	1
Oregon	.	.	.	--	3	.	0	6
Washington	.	.	.	--	2	.	6	2
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**8**	**.**	**--**	**9**
Alaska	.	.	.	--	52	.	--	21
Hawaii	.	.	.	--	8	.	--	10
U.S. Total	**.**	**.**	**.**	**44**	*****	**.**	**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, October 2012

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	**1**	**0**	*****
Connecticut	*	*	2	0	*
Maine	*	*	1	0	*
Massachusetts	1	*	1	0	*
New Hampshire	1	*	2	0	*
Rhode Island	0	0	0	0	0
Vermont	2	1	3	0	1
Middle Atlantic	*****	*****	*****	**1**	*****
New Jersey	*	*	1	0	*
New York	*	*	1	1	*
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	**0**	*****
Illinois	1	*	1	0	*
Indiana	1	1	1	0	*
Michigan	*	*	1	0	*
Ohio	1	*	1	0	*
Wisconsin	1	1	1	0	1
West North Central	**1**	*****	**1**	**0**	*****
Iowa	1	1	1	0	1
Kansas	2	1	2	0	1
Minnesota	1	1	1	0	1
Missouri	1	*	2	0	1
Nebraska	2	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	3	0	1
South Atlantic	**1**	*****	*****	**0**	*****
Delaware	1	1	2	0	1
District of Columbia	0	0	0	0	0
Florida	1	*	1	0	*
Georgia	2	1	1	0	1
Maryland	1	*	1	0	*
North Carolina	1	*	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	**1**	*****	*****	**0**	*****
Alabama	2	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	158	1
Louisiana	1	1	*	0	*
Oklahoma	2	1	1	0	1
Texas	1	*	1	0	*
Mountain	**1**	*****	**1**	**0**	*****
Arizona	1	*	1	0	*
Colorado	2	1	2	0	1
Idaho	1	1	1	0	1
Montana	2	1	2	0	1
Nevada	1	1	*	0	*
New Mexico	4	1	3	0	1
Utah	3	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**	*****
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 October 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	1
Kansas	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	*****	*****	*****	*****	*****
Delaware	1	*	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	*	*	*	8	*
East South Central	*****	*****	*****	**0**	*****
Alabama	*	*	*	0	*
Kentucky	1	1	*	0	*
Mississippi	1	1	1	0	*
Tennessee	*	1	1	0	*
West South Central	*****	*****	*****	*****	*****
Arkansas	1	1	*	48	*
Louisiana	*	*	*	0	*
Oklahoma	*	*	1	0	*
Texas	*	*	*	0	*
Mountain	*****	*****	*****	**0**	*****
Arizona	*	*	1	0	*
Colorado	1	*	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	*	*	2	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, October 2012

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	**1**	**0**	*****
Connecticut	*	1	2	0	*
Maine	*	1	1	0	*
Massachusetts	*	1	2	0	*
New Hampshire	*	1	2	0	*
Rhode Island	0	1	0	0	*
Vermont	1	2	4	0	1
Middle Atlantic	*****	*****	*****	**1**	*****
New Jersey	*	*	1	0	*
New York	*	*	1	1	*
Pennsylvania	*	*	1	0	*
East North Central	*****	*****	**1**	**0**	*****
Illinois	*	*	1	0	*
Indiana	1	1	1	0	1
Michigan	*	*	1	0	*
Ohio	*	1	1	0	*
Wisconsin	1	1	1	0	*
West North Central	**1**	*****	**1**	**0**	*****
Iowa	1	1	2	0	1
Kansas	2	1	3	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	3	0	1
Nebraska	2	1	3	0	1
North Dakota	1	1	4	0	1
South Dakota	2	2	4	0	1
South Atlantic	*****	*****	**1**	**5**	*****
Delaware	1	2	4	0	1
District of Columbia	0	1	0	14	1
Florida	1	*	2	0	*
Georgia	1	1	2	0	1
Maryland	*	1	1	0	*
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	*	2	0	*
West Virginia	*	*	*	0	*
East South Central	**1**	**1**	**1**	**0**	*****
Alabama	1	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	1	3	0	1
Tennessee	1	1	2	0	1
West South Central	**1**	*****	**1**	**1**	*****
Arkansas	2	1	2	172	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	3	0	1
Texas	1	*	1	0	*
Mountain	**1**	*****	**1**	**0**	*****
Arizona	1	*	3	0	1
Colorado	3	1	4	0	2
Idaho	1	1	1	0	1
Montana	2	1	4	0	1
Nevada	1	1	1	0	*
New Mexico	4	1	7	0	2
Utah	3	1	2	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	*****	**0**	*****
Alaska	2	2	3	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.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 October 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	1
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	*	*	1	*	*
Pennsylvania	*	*	*	*	*
East North Central	*****	*****	*****	**1**	*****
Illinois	*	*	1	1	*
Indiana	*	*	*	0	*
Michigan	*	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	1	0	*
West North Central	*****	*****	**1**	**0**	*****
Iowa	1	1	1	0	1
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	1
Tennessee	*	*	1	0	*
West South Central	*****	*****	*****	*****	*****
Arkansas	1	1	1	44	*
Louisiana	1	*	*	0	*
Oklahoma	1	1	1	0	*
Texas	*	*	*	0	*
Mountain	*****	*****	**1**	**0**	*****
Arizona	*	*	2	0	*
Colorado	1	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, October 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	1	2	3	0	1
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	*	*	1	*	*
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	**0**	*****
Illinois	*	*	1	0	*
Indiana	1	1	1	0	*
Michigan	*	*	*	0	*
Ohio	*	*	1	0	*
Wisconsin	*	*	1	0	*
West North Central	*****	*****	**1**	**0**	*****
Iowa	1	1	1	0	1
Kansas	1	1	3	0	1
Minnesota	1	*	1	0	*
Missouri	1	1	2	0	1
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	*****	*****	**1**	**5**	*****
Delaware	1	1	3	0	1
District of Columbia	0	1	0	14	1
Florida	*	*	2	0	*
Georgia	1	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	1	*	1	0	*
South Carolina	1	*	1	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	*****	*****	**1**	**0**	*****
Alabama	1	1	1	0	*
Kentucky	1	1	1	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	1	0	1
West South Central	*****	*****	**1**	**1**	*****
Arkansas	1	1	2	118	1
Louisiana	1	*	1	0	*
Oklahoma	1	1	2	0	1
Texas	*	*	1	0	*
Mountain	*****	*****	**1**	**0**	*****
Arizona	*	*	1	0	*
Colorado	1	1	2	0	1
Idaho	1	1	1	0	*
Montana	1	1	2	0	1
Nevada	*	*	*	0	*
New Mexico	1	1	4	0	1
Utah	1	1	1	0	1
Wyoming	1	1	1	0	*
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	1	*	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	*****	**1**	**1**	**0**	*****
Alaska	1	1	2	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 October 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	1	0	*
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	*	*	*	1	*
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	54	*
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	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	*	2	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 4:00 AM	07/10/2012 4:00 AM	72 Hours, 0 Minutes	California Department of Water Resources	WECC	CAISO California	Fuel Supply Deficiency (Water)	0	Unknown
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	07/16/2012 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	TRE	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

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

92

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

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

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

Table C.1 Average Heat Content of Fossil-Fuel Receipts, October 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	24.69	6.00	--	1.03
Connecticut	--	5.82	--	1.04
Maine	25.49	6.22	--	1.04
Massachusetts	24.35	5.72	--	1.03
New Hampshire	26.00	6.11	--	1.03
Rhode Island	--	5.90	--	1.03
Vermont	--	5.96	--	1.01
Middle Atlantic	23.10	6.05	28.61	1.03
New Jersey	25.27	5.81	28.61	1.03
New York	23.20	6.13	28.61	1.03
Pennsylvania	23.03	5.80	28.61	1.03
East North Central	19.83	5.81	28.47	1.02
Illinois	17.83	5.77	--	1.02
Indiana	21.71	5.80	--	1.02
Michigan	18.59	5.95	28.76	1.02
Ohio	23.90	5.76	28.37	1.02
Wisconsin	18.27	5.81	28.35	1.02
West North Central	16.70	5.75	28.61	1.02
Iowa	17.28	5.77	28.61	1.02
Kansas	17.19	5.82	--	1.01
Minnesota	17.74	5.82	--	1.02
Missouri	17.66	5.58	--	1.02
Nebraska	17.09	5.80	--	1.03
North Dakota	13.14	5.75	--	1.02
South Dakota	16.44	5.78	--	1.04
South Atlantic	23.35	5.89	28.80	1.02
Delaware	25.55	5.73	--	1.03
District of Columbia	--	--	--	1.03
Florida	23.65	5.70	28.80	1.01
Georgia	20.07	6.05	--	1.01
Maryland	25.03	5.84	--	1.03
North Carolina	24.49	6.00	--	1.01
South Carolina	25.15	6.03	--	1.03
Virginia	22.61	5.86	--	1.04
West Virginia	23.77	5.76	--	1.02
East South Central	21.70	5.76	28.35	1.01
Alabama	20.83	5.76	--	1.02
Kentucky	22.45	5.79	28.35	1.03
Mississippi	19.99	5.78	--	1.01
Tennessee	21.77	5.72	--	1.02
West South Central	15.87	5.78	28.60	1.02
Arkansas	17.35	5.72	--	1.03
Louisiana	16.58	5.99	28.74	1.02
Oklahoma	17.25	5.80	28.61	1.02
Texas	15.27	5.74	28.07	1.02
Mountain	18.84	5.41	29.14	1.03
Arizona	19.25	5.74	--	1.02
Colorado	18.98	5.14	--	1.05
Idaho	20.61	5.75	--	1.01
Montana	16.80	4.69	29.14	1.02
Nevada	19.35	5.81	--	1.03
New Mexico	18.01	5.68	--	1.04
Utah	22.11	5.84	--	1.03
Wyoming	17.69	5.13	--	1.01
Pacific Contiguous	17.56	5.65	28.61	1.03
California	23.04	5.76	28.61	1.03
Oregon	16.65	5.83	--	1.02
Washington	16.73	5.50	--	1.03
Pacific Noncontiguous	18.23	6.00	--	1.01
Alaska	16.64	5.40	--	1.01
Hawaii	20.30	6.07	--	--
U.S. Total	19.34	5.94	28.61	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.