



*Independent Statistics & Analysis*  
U.S. Energy Information  
Administration

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# Electric Power Monthly

## with Data for July 2012

September 2012



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## Preface

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

## Background

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

## Data sources

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

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	July 2012	July 2011	Percent Change	Electric Utilities		Independent Power Producers		July 2012	July 2011	July 2012	July 2011
				July 2012	July 2011	July 2012	July 2011				
<b>Net Generation (thousand megawatthours)</b>											
Coal	161,023	176,709	-8.9%	121,227	132,936	38,430	41,914	71	96	1,295	1,763
Petroleum Liquids	1,502	1,699	-11.6%	1,123	1,106	335	538	11	13	32	42
Petroleum Coke	752	1,312	-42.7%	442	917	137	278	1	--	172	117
Natural Gas	139,767	120,377	16.1%	58,636	49,437	72,756	63,328	467	431	7,908	7,181
Other Gas	1,036	1,059	-2.2%	29	NM	245	294	NM	NM	762	762
Nuclear	69,129	72,345	-4.4%	35,999	38,444	33,130	33,901	--	--	--	--
Hydroelectric Conventional	27,082	31,570	-14.2%	25,376	29,495	1,585	1,947	NM	11	118	118
Other Renewables	15,403	14,094	9.3%	1,763	1,403	11,115	10,150	216	159	2,310	2,382
Wood and Wood-Derived Fuels	3,221	3,348	-3.8%	163	199	824	843	NM	NM	2,232	2,304
Other Biomass	1,622	1,767	-8.3%	118	126	1,233	1,410	196	155	74	76
Geothermal	1,435	1,372	4.6%	96	95	1,339	1,277	--	--	--	--
Solar Thermal and Photovoltaic	474	226	109.9%	66	NM	392	196	14	NM	NM	NM
Wind	8,652	7,382	17.2%	1,319	956	7,327	6,424	NM	NM	NM	NM
Hydroelectric Pumped Storage	-587	-709	-17.3%	-498	-613	-89	-96	--	--	--	--
Other Energy Sources	1,044	1,024	1.9%	26	23	633	615	92	81	293	305
All Energy Sources	416,152	419,480	-0.8%	244,124	253,150	158,277	152,869	861	791	12,891	12,669
<b>Consumption of Fossil Fuels for Electricity Generation</b>											
Coal (1000 tons)	86,575	94,214	-8.1%	64,406	69,803	21,702	23,585	24	28	442	798
Petroleum Liquids (1000 barrels)	2,640	2,870	-8.0%	2,025	1,877	559	934	16	15	40	43
Petroleum Coke (1000 tons)	285	479	-40.6%	174	342	56	109	*	--	54	28
Natural Gas (1000 Mcf)	1,117,710	965,584	15.8%	497,737	425,152	560,967	487,217	3,608	3,538	55,398	49,676
<b>Consumption of Fossil Fuels for Useful Thermal Output</b>											
Coal (1000 tons)	1,684	1,865	-9.7%	--	--	296	349	91	106	1,298	1,410
Petroleum Liquids (1000 barrels)	212	283	-24.9%	--	--	81	88	12	19	119	175
Petroleum Coke (1000 tons)	105	87	21.3%	--	--	10	11	1	--	95	76
Natural Gas (1000 Mcf)	76,663	71,692	6.9%	--	--	29,648	29,831	4,208	3,706	42,807	38,155
<b>Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output</b>											
Coal (1000 tons)	88,259	96,079	-8.1%	64,406	69,803	21,997	23,934	115	134	1,740	2,208
Petroleum Liquids (1000 barrels)	2,852	3,153	-9.5%	2,025	1,877	640	1,023	28	35	160	218
Petroleum Coke (1000 tons)	390	566	-31.1%	174	342	65	120	1	--	149	104
Natural Gas (1000 Mcf)	1,194,373	1,037,276	15.1%	497,737	425,152	590,615	517,049	7,815	7,244	98,206	87,831
<b>Fuel Stocks (end-of-month)</b>											
Coal (1000 tons)	187,506	150,002	25.0%	150,200	119,631	34,386	28,336	375	365	2,545	1,670
Petroleum Liquids (1000 barrels)	37,539	37,908	-1.0%	25,256	25,544	8,820	9,658	290	284	3,173	2,423
Petroleum Coke (1000 tons)	1,202	911	32.0%	216	411	258	50	W	--	W	449

Sales, Revenue, and Average Retail Price for July										
Sector	Total U.S. Electric Power Industry									
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)			
	July 2012	July 2011	Percent Change	July 2012	July 2011	Percent Change	July 2012	July 2011	Percent Change	Percent Change
Residential	154,698	154,888	-0.1%	18,633	18,842	-1.1%	12.04	12.16	-1.0%	-1.0%
Commercial	128,111	127,139	0.8%	13,375	13,694	-2.3%	10.44	10.77	-3.1%	-3.1%
Industrial	86,506	85,907	0.7%	6,212	6,345	-2.1%	7.18	7.39	-2.8%	-2.8%
Transportation	642	645	-0.5%	68	73	-7.2%	10.56	11.32	-6.7%	-6.7%
All Sectors	369,957	368,580	0.4%	38,288	38,954	-1.7%	10.35	10.57	-2.1%	-2.1%

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, and coal synfuel. Petroleum Liquids includes 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. Other Gases includes blast furnace gas, propane 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, and coal synfuel ; waste coal is excluded.

Note: Values are preliminary.

See technical notes for additional information.

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 July											
Fuel	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
	July 2012 YTD	July 2011 YTD	Percent Change	Electric Utilities		Independent Power Producers		July 2012 YTD	July 2011 YTD	July 2012 YTD	July 2011 YTD
				July 2012 YTD	July 2011 YTD	July 2012 YTD	July 2011 YTD				
<b>Net Generation (thousand megawatthours)</b>											
Coal	854,145	1,040,798	-17.9%	648,159	783,108	196,654	246,354	483	623	8,848	10,715
Petroleum Liquids	7,817	10,126	-22.8%	5,950	7,297	1,547	2,406	45	57	275	366
Petroleum Coke	5,051	7,723	-34.6%	2,826	5,127	1,040	1,830	2	2	1,182	764
Natural Gas	734,973	564,249	30.3%	300,774	226,380	381,433	288,268	2,748	2,613	50,018	46,989
Other Gas	7,431	6,434	15.5%	568	22	1,725	1,758	5	NM	5,133	4,652
Nuclear	450,184	452,373	-0.5%	231,312	236,611	218,872	215,762	--	--	--	--
Hydroelectric Conventional	180,928	211,129	-14.3%	166,001	194,273	13,758	15,630	NM	72	1,153	1,154
Other Renewables	128,067	115,623	10.8%	16,467	12,794	94,711	86,096	1,438	1,008	15,452	15,724
Wood and Wood-Derived Fuels	20,806	21,376	-2.7%	1,047	1,169	4,853	4,963	11	11	14,894	15,232
Other Biomass	11,397	11,325	0.6%	828	830	8,762	9,037	1,327	974	481	484
Geothermal	9,859	9,777	0.8%	658	654	9,200	9,123	--	--	--	--
Solar Thermal and Photovoltaic	2,137	1,069	99.9%	312	157	1,759	902	58	NM	NM	NM
Wind	83,868	72,076	16.4%	13,621	9,984	70,137	62,071	42	18	68	NM
Hydroelectric Pumped Storage	-2,484	-3,186	-22.0%	-2,069	-2,959	-415	-227	--	--	--	--
Other Energy Sources	6,450	6,442	0.1%	192	155	3,942	3,848	502	504	1,814	1,934
All Energy Sources	2,372,562	2,411,712	-1.6%	1,370,179	1,462,810	913,267	861,724	5,240	4,881	83,876	82,298
<b>Consumption of Fossil Fuels for Electricity Generation</b>											
Coal (1000 tons)	463,766	554,619	-16.4%	347,513	411,186	112,581	138,504	159	184	3,514	4,745
Petroleum Liquids (1000 barrels)	13,387	17,142	-21.9%	10,574	12,849	2,427	3,853	63	67	323	373
Petroleum Coke (1000 tons)	1,927	2,865	-32.7%	1,121	1,967	422	726	1	1	384	172
Natural Gas (1000 Mcf)	5,668,083	4,416,176	28.3%	2,455,849	1,904,734	2,846,073	2,163,307	21,624	21,952	344,536	326,183
<b>Consumption of Fossil Fuels for Useful Thermal Output</b>											
Coal (1000 tons)	11,669	13,123	-11.1%	--	--	1,900	2,433	716	826	9,053	9,864
Petroleum Liquids (1000 barrels)	1,506	2,196	-31.4%	--	--	539	606	62	100	906	1,490
Petroleum Coke (1000 tons)	663	683	-2.9%	--	--	68	65	5	4	590	614
Natural Gas (1000 Mcf)	509,097	478,706	6.3%	--	--	193,560	190,000	25,429	25,141	290,108	263,565
<b>Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output</b>											
Coal (1000 tons)	475,435	567,742	-16.3%	347,513	411,186	114,481	140,937	875	1,010	12,567	14,609
Petroleum Liquids (1000 barrels)	14,893	19,338	-23.0%	10,574	12,849	2,966	4,459	124	167	1,229	1,863
Petroleum Coke (1000 tons)	2,590	3,548	-27.0%	1,121	1,967	490	791	6	4	973	786
Natural Gas (1000 Mcf)	6,177,180	4,894,883	26.2%	2,455,849	1,904,734	3,039,632	2,353,307	47,054	47,094	634,644	589,748

Sales, Revenue, and Average Retail Price for January through July										
Sector	Total U.S. Electric Power Industry									
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)			
	July 2012 YTD	July 2011 YTD	Percent Change	July 2012 YTD	July 2011 YTD	Percent Change	July 2012 YTD	July 2011 YTD	Percent Change	Percent Change
Residential	801,049	843,381	-5.0%	94,816	98,290	-3.5%	11.84	11.65	1.6%	
Commercial	762,656	762,218	0.1%	77,018	78,352	-1.7%	10.10	10.28	-1.8%	
Industrial	571,698	563,617	1.4%	38,158	38,563	-1.0%	6.67	6.84	-2.5%	
Transportation	4,391	4,514	-2.7%	438	482	-9.2%	9.98	10.69	-6.6%	
All Sectors	2,139,794	2,173,730	-1.6%	210,431	215,687	-2.4%	9.83	9.92	-0.9%	

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, and coal synfuel. Petroleum Liquids includes 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. Other Gases includes blast furnace gas, propane 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, and coal synfuel ; waste coal is excluded.

Note: Values are preliminary.

See technical notes for additional information.

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)										
Fuel	Receipts						Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
Coal (1000 tons)	73,363	76,804	46.66	47.92	548	586	480,936	537,072	46.86	46.77
Petroleum Liquids (1000 barrels)	2,436	2,735	123.68	127.87	1,237	1,268	14,672	21,386	132.58	117.02
Petroleum Coke (1000 tons)	287	575	73.13	90.16	29	38	2,247	2,882	61.57	84.19
Natural Gas (1000 Mcf)	1,219,703	1,057,904	3.49	5.07	1,869	1,862	6,332,584	5,072,111	3.23	5.07

Electric Utilities										
Fuel	Receipts						Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
Coal (1000 tons)	53,094	54,810	47.78	48.90	300	322	344,824	382,470	47.72	47.41
Petroleum Liquids (1000 barrels)	1,724	1,511	125.68	131.92	834	836	10,077	14,257	134.85	118.36
Petroleum Coke (1000 tons)	120	356	58.44	92.30	6	10	1,159	1,760	59.20	90.09
Natural Gas (1000 Mcf)	506,450	427,506	3.71	5.22	839	840	2,488,062	1,936,464	3.56	5.31

Independent Power Producers										
Fuel	Receipts						Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
Coal (1000 tons)	18,536	20,228	41.74	43.81	126	142	123,924	141,889	42.61	43.48
Petroleum Liquids (1000 barrels)	455	911	122.52	124.72	200	222	2,675	4,282	134.05	119.14
Petroleum Coke (1000 tons)	88	76	W	56.70	8	14	353	455	51.86	53.61
Natural Gas (1000 Mcf)	592,056	516,435	3.38	5.02	591	603	3,046,290	2,371,228	3.05	5.02

Commercial Sector										
Fuel	Receipts						Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
Coal (1000 tons)	111	120	57.97	63.33	18	18	823	952	58.02	61.81
Petroleum Liquids (1000 barrels)	NM	NM	124.48	134.04	84	83	NM	196	131.23	125.84
Petroleum Coke (1000 tons)	1	NM	W	W	1	1	5	NM	W	W
Natural Gas (1000 Mcf)	NM	NM	NM	NM	124	115	NM	NM	3.83	5.45

Industrial Sector										
Fuel	Receipts						Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
Coal (1000 tons)	1,622	1,646	65.40	64.96	104	104	11,365	11,762	66.26	64.27
Petroleum Liquids (1000 barrels)	235	284	111.23	115.85	119	127	NM	2,651	117.68	105.70
Petroleum Coke (1000 tons)	79	142	W	W	14	13	731	659	W	W
Natural Gas (1000 Mcf)	113,041	106,401	3.10	4.70	315	304	748,669	714,443	2.84	4.56

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, and coal synfuel.

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.

Notes: Values are preliminary. Mcf = thousand cubic feet.

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

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

Total (All Sectors)										
Fuel	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
	Coal	1,415,106	1,505,189	2.42	2.45	548	586	9,333,747	10,521,674	2.41
Petroleum Liquids	14,627	16,346	20.60	21.40	1,237	1,268	87,617	128,956	22.20	19.41
Petroleum Coke	8,210	16,515	2.56	3.14	29	38	64,419	82,496	2.15	2.94
Natural Gas	1,248,179	1,081,096	3.41	4.96	1,869	1,862	6,475,052	5,180,132	3.16	4.97
Fossil Fuels	2,686,371	2,619,147	2.98	3.61	2,896	2,925	15,963,814	15,913,258	2.82	3.37

Electric Utilities										
Fuel	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
	Coal	1,039,998	1,091,861	2.44	2.45	300	322	6,765,650	7,584,636	2.43
Petroleum Liquids	10,436	9,105	20.76	21.89	834	836	60,484	86,557	22.47	19.50
Petroleum Coke	3,456	10,212	2.02	3.22	6	10	33,409	50,470	2.05	3.14
Natural Gas	517,480	436,190	3.63	5.12	839	840	2,538,172	1,972,207	3.49	5.21
Fossil Fuels	1,571,618	1,547,369	2.95	3.32	1,525	1,531	9,400,694	9,693,870	2.85	3.12

Independent Power Producers										
Fuel	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
	Coal	337,795	375,093	2.29	2.36	126	142	2,308,669	2,661,756	2.29
Petroleum Liquids	2,667	5,380	20.90	21.13	200	222	15,755	25,321	22.76	20.15
Petroleum Coke	2,508	2,183	W	1.96	8	14	10,156	13,095	1.80	1.86
Natural Gas	605,992	528,025	3.30	4.91	591	603	3,118,509	2,423,686	2.98	4.91
Fossil Fuels	948,963	910,681	W	3.95	796	822	5,453,089	5,123,858	2.74	3.63

Commercial Sector										
Fuel	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
	Coal	2,328	2,602	2.77	2.93	18	18	17,149	20,360	2.78
Petroleum Liquids	NM	NM	21.14	22.66	84	83	NM	1,163	22.35	21.17
Petroleum Coke	27	NM	W	W	1	1	156	NM	W	W
Natural Gas	NM	NM	NM	NM	124	115	NM	NM	3.75	5.34
Fossil Fuels	NM	NM	W	W	171	168	NM	NM	W	W

Industrial Sector										
Fuel	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
	Coal	34,985	35,632	3.03	3.00	104	104	242,279	254,923	3.11
Petroleum Liquids	1,393	1,692	18.79	19.46	119	127	NM	15,915	19.85	17.60
Petroleum Coke	2,219	4,078	W	W	14	13	20,698	18,696	W	W
Natural Gas	116,349	109,159	3.01	4.58	315	304	767,704	733,192	2.77	4.44
Fossil Fuels	154,946	150,561	W	W	404	404	1,041,316	1,022,726	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, and coal synfuel.

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.

Note: Values are preliminary.

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



Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 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		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		Zotos International WPGF	NY	57648	WT1	1.7	WND	WT
2012	1	56977	Zotos International		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	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		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 Electrical Gen Partn	IPP	Morris Genco LLC	IL	55774	MO4	1.0	LFG	IC
2012	2	9205	Illinois Electrical Gen Partn	IPP	Morris Genco LLC	IL	55774	MO5	1.0	LFG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLC	NM	57872	UNIT1	8.7	NG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLC	NM	57872	UNIT2	8.7	NG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLC	NM	57872	UNIT3	8.7	NG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLC	NM	57872	UNIT4	8.7	NG	IC
2012	2	57214	LCEC Generation LLC	IPP	LCEC Generation LLC	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		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	Hudson Ranch Power I LLC	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.		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
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

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	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		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	56615	First Solar Energy LLC	IPP	Silver State Solar Power North	NV	57442	56188	50.0	SUN	PV
2012	5	6541	Formosa Plastics Corp		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	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		Unisea G 2	AK	54422	CAT4	1.0	DFO	IC
2012	5	19553	Unisea Inc		Unisea G 2	AK	54422	CAT5	1.0	DFO	IC
2012	6	56905	Algonquin Power Sanger LLC	IPP	Sandy Ridge Wind Farm	PA	57285	1	48.2	WND	WT
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		Cimarron Windpower II	KS	57663	1	131.0	WND	WT
2012	6	2010	City of Bountiful	Electric Utility	Bountiful City	UT	3665	2A	11.0	NG	GT
2012	6	2010	City of Bountiful	Electric Utility	Bountiful City	UT	3665	3A	11.0	NG	GT
2012	6	19856	City of Vineland - (NJ)	Electric Utility	Howard Down	NJ	2434	11	56.2	NG	GT
2012	6	56769	Consolidated Edison Development Inc.	Electric Utility	Dartmouth II Solar	MA	57838	D2MA	2.0	SUN	PV
2012	6	57319	Constellation Solar Massachusetts LLC	IPP	Town of Norfolk MA at Medway Branch	MA	57942	PV1	1.2	SUN	PV
2012	6	57318	Constellation Solar Net Metering LLC	IPP	Town of Uxbridge MA at Commerce Dr	MA	57941	PV1	1.8	SUN	PV
2012	6	9191	Idaho Power Co	Electric Utility	Langley Gulch Power Plant	ID	57028	GTG	175.8	NG	CT
2012	6	9191	Idaho Power Co	Electric Utility	Langley Gulch Power Plant	ID	57028	STG	122.9	NG	CA
2012	6	56341	Kaheawa Wind Power II LLC	IPP	Kaheawa Wind Power II LLC	HI	57082	1	21.0	WND	WT
2012	6	56341	Kaheawa Wind Power II LLC	IPP	Kaheawa Wind Power II LLC	HI	57082	2	10.0	MWH	BA
2012	6	11208	Los Angeles Department of Water & Power	IPP	Adelanto Solar Project	CA	57305	1	10.0	SUN	PV
2012	6	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	5	16.0	SUN	PV
2012	6	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	2	12.0	GEO	BT
2012	6	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	3	6.0	GEO	BT
2012	6	55723	PPL Renewable Energy LLC	IPP	Warren County	NJ	56888	GEN 1	0.5	SUN	PV
2012	6	55723	PPL Renewable Energy LLC	IPP	Warren County	NJ	56888	GEN 2	0.5	SUN	PV
2012	6	55723	PPL Renewable Energy LLC	IPP	Warren County	NJ	56888	GEN 3	0.5	SUN	PV
2012	6	55723	PPL Renewable Energy LLC	IPP	Warren County	NJ	56888	GEN 4	0.5	SUN	PV
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	131	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	132	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	133	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	134	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	141	44.5	NG	GT
2012	6	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	142	44.5	NG	GT
2012	6	15452	PSEG Power Connecticut LLC	IPP	New Haven Harbor	CT	6156	2	44.5	NG	GT
2012	6	15452	PSEG Power Connecticut LLC	IPP	New Haven Harbor	CT	6156	3	44.5	NG	GT
2012	6	15452	PSEG Power Connecticut LLC	IPP	New Haven Harbor	CT	6156	4	44.5	NG	GT
2012	6	14328	Pacific Gas & Electric Co	Electric Utility	Cantua Solar Station	CA	57522	1	20.0	SUN	PV
2012	6	14328	Pacific Gas & Electric Co	Electric Utility	Giffen Solar Station	CA	57521	1	10.0	SUN	PV
2012	6	14328	Pacific Gas & Electric Co	Electric Utility	Huron Solar Station	CA	57523	1	20.0	SUN	PV
2012	6	15330	Prairie State Generating Co LLC	IPP	Prairie State Generatng Station	IL	55856	PC1	800.0	BIT	ST
2012	6	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		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		Woodall Gas Plant	TX	57952	GEN1	1.0	NG	IC
2012	7	57325	Eagle Rock Field Services LLP		Woodall Gas Plant	TX	57952	GEN2	1.0	NG	IC
2012	7	57325	Eagle Rock Field Services LLP		Woodall Gas Plant	TX	57952	GEN3	1.0	NG	IC
2012	7	49893	Invenergy Services LLC	IPP	Grand Ridge Solar Farm	IL	57912	1	20.0	SUN	PV
2012	7	57386	SunE CPS3 LLC	IPP	SunE CPS3 LLC	TX	58009	1	5.6	SUN	PV
2012	7	57386	SunE CPS3 LLC	IPP	SunE CPS3 LLC	TX	58009	2	5.0	SUN	PV



**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	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		Cheoah	NC	54899	2A	27.5	WAT	HY
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	57389	IKEA Property Inc		IKEA Tampa 042	FL	58012	PV	1.0	SUN	PV
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	40575	Utah Associated Mun Power Sys	Electric Utility	Horse Butte Wind I, LLC	ID	57890	1	57.6	WND	WT

As of the time of the publication of this report, the data for the latest month may not include all operational status updates.

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

Descriptions for the Energy Source and Prime Mover codes listed in the table can be obtained from the Form EIA-860 instructions at the following link: <http://www.eia.gov/cneaf/electricity/forms/eia860/eia860.pdf>

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

**Year-to-Date Capacity Statistics**

	Net Summer Capacity (megawatts)
Year-to-Date Capacity of New Units	10,125.0
Year-to-Date Capacity of Retired Units	5,530.0
Year-to-Date U.S. Capacity	1,060,955.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2012	1	12199	Montana-Dakota Utilities Co	Electric Utility	Williston	ND	2791	2	4.7	NG	GT
2012	1	22500	Westar Energy Inc	Electric Utility	Tecumseh Energy Center	KS	1252	1	18.0	NG	GT
2012	1	22500	Westar Energy Inc	Electric Utility	Tecumseh Energy Center	KS	1252	2	19.0	NG	GT
2012	2	15470	Duke Energy Indiana Inc	Electric Utility	R Gallagher	IN	1008	1	140.0	BIT	ST
2012	2	15470	Duke Energy Indiana Inc	Electric Utility	R Gallagher	IN	1008	3	140.0	BIT	ST
2012	2	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	1	251.0	BIT	ST
2012	2	12981	Motiva Enterprises LLC		Motiva Enterprises Port Arthur Refinery	TX	50973	GN26	9.7	NG	CS
2012	2	12981	Motiva Enterprises LLC		Motiva Enterprises Port Arthur Refinery	TX	50973	GN27	4.3	NG	ST
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		Sherman Hospital	IL	50909	1	0.8	NG	IC
2012	4	17105	Sherman Hospital		Sherman Hospital	IL	50909	2	0.8	NG	IC
2012	5	306	Alcoa Power Generating Inc Tapoco Div		Cheoah	NC	54899	1	21.0	WAT	HY
2012	5	306	Alcoa Power Generating Inc Tapoco Div		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

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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	10,125.0
Year-to-Date Capacity of Retired Units	5,530.0
Year-to-Date U.S. Capacity	1,060,955.0

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

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	Hydroelectric Pumped Storage	Other	Total
<b>Annual Totals</b>											
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	1,734,265	15,840	12,322	1,016,595	11,269	790,225	325,074	194,993	-5,912	11,064	4,105,734
<b>2010</b>											
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
September	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
<b>2011</b>											
January	170,983	1,821	1,447	74,458	910	72,743	26,148	14,930	-426	842	363,855
February	138,295	1,166	1,035	65,852	770	64,789	24,687	16,224	-247	781	313,351
March	134,717	1,245	1,208	66,169	955	65,662	31,737	16,811	-350	938	319,092
April	124,293	1,458	821	70,529	913	54,547	31,629	18,352	-467	918	302,994
May	137,493	1,338	860	75,769	848	57,017	33,105	17,777	-419	967	324,757
June	158,308	1,399	1,040	91,096	980	65,270	32,253	17,435	-568	971	368,184
July	176,709	1,699	1,312	120,377	1,059	72,345	31,570	14,094	-709	1,024	419,480
August	171,472	1,286	1,121	119,646	999	71,339	26,320	13,965	-663	965	406,450
September	141,220	1,175	1,073	91,377	958	66,849	21,500	13,135	-554	873	337,606
October	126,872	1,083	851	79,078	949	63,354	20,036	16,729	-572	898	309,279
November	121,197	1,044	679	75,637	923	64,474	21,374	18,478	-441	903	304,268
December	132,706	1,125	875	86,606	1,005	71,837	24,715	17,063	-496	982	336,419
<b>2012</b>											
January	129,064	1,138	1,094	91,213	1,096	72,382	23,933	20,245	-330	907	340,743
February	113,831	893	825	91,260	1,146	63,850	20,813	17,079	-226	827	310,298
March	106,032	936	640	92,739	1,023	61,730	26,287	19,677	-268	913	309,709
April	95,982	996	537	95,882	1,018	55,871	26,748	18,430	-242	879	296,101
May	116,476	1,064	613	107,928	1,034	62,081	28,991	18,958	-343	967	337,770
June	131,737	1,288	589	116,184	1,079	65,140	27,074	18,274	-487	912	361,790
July	161,023	1,502	752	139,767	1,036	69,129	27,082	15,403	-587	1,044	416,152
<b>Year to Date</b>											
2010	1,086,086	14,407	8,465	549,004	6,631	466,934	162,405	95,914	-3,045	7,280	2,394,081
2011	1,040,798	10,126	7,723	564,249	6,434	452,373	211,129	115,623	-3,186	6,442	2,411,712
2012	854,145	7,817	5,051	734,973	7,431	450,184	180,928	128,067	-2,484	6,450	2,372,562
<b>Rolling 12 Months Ending in July</b>											
2011	1,802,002	19,056	12,982	1,002,943	11,116	792,407	308,927	186,883	-5,642	12,017	4,142,691
2012	1,547,612	13,531	9,649	1,187,319	12,266	788,036	294,873	207,437	-5,211	11,072	4,066,584

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

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

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 2010 and prior years are final. Values for 2011 and 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 1.1.A. Net Generation by Other Renewables: Total (All Sectors), 2002-July 2012**  
(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels	Geothermal	Other Biomass	Total (Other Renewables)
<b>Annual Totals</b>						
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	119,747	1,814	36,946	16,700	19,786	194,993
<b>2010</b>						
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
September	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
<b>2011</b>						
January	8,659	31	3,258	1,478	1,503	14,930
February	10,528	80	2,896	1,326	1,393	16,224
March	10,537	113	3,041	1,465	1,655	16,811
April	12,447	161	2,788	1,337	1,619	18,352
May	11,635	201	2,802	1,438	1,702	17,777
June	10,887	257	3,243	1,363	1,685	17,435
July	7,382	226	3,348	1,372	1,767	14,094
August	7,342	236	3,290	1,380	1,717	13,965
September	6,883	183	3,113	1,334	1,621	13,135
October	10,623	169	2,876	1,393	1,669	16,729
November	12,354	78	2,980	1,377	1,689	18,478
December	10,469	79	3,311	1,439	1,765	17,063
<b>2012</b>						
January	13,823	70	3,293	1,438	1,621	20,245
February	11,047	119	3,029	1,361	1,523	17,079
March	13,553	218	2,832	1,438	1,637	19,677
April	12,611	307	2,515	1,354	1,643	18,430
May	12,442	450	2,932	1,439	1,695	18,958
June	11,740	500	2,984	1,394	1,657	18,274
July	8,652	474	3,221	1,435	1,622	15,403
<b>Year to Date</b>						
2010	54,110	722	21,338	8,866	10,878	95,914
2011	72,076	1,069	21,376	9,777	11,325	115,623
2012	83,868	2,137	20,806	9,859	11,397	128,067
<b>Rolling 12-Month Ending in July</b>						
2011	112,618	1,560	37,210	16,131	19,364	186,883
2012	131,539	2,882	36,376	16,781	19,859	207,437

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 2010 and prior years are final. Values for 2011 and 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-July 2012**  
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	Hydroelectric Pumped Storage	Other	Total
<b>Annual Totals</b>											
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	1,300,377	11,556	8,286	407,983	38	415,302	297,766	21,719	-5,306	267	2,457,990
<b>2010</b>											
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
September	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
<b>2011</b>											
January	126,544	1,167	1,055	28,838	NM	37,742	24,211	1,711	-500	23	220,793
February	103,550	863	666	24,765	NM	34,119	22,779	1,913	-305	19	188,371
March	102,225	963	756	26,000	NM	34,201	28,983	1,940	-277	22	194,814
April	93,628	1,165	505	28,539	NM	28,964	28,777	2,084	-404	24	183,282
May	104,414	1,042	516	30,848	7	28,505	30,149	1,970	-367	17	197,103
June	119,811	992	711	37,952	7	34,635	29,880	1,773	-492	27	225,296
July	132,936	1,106	917	49,437	NM	38,444	29,495	1,403	-613	23	253,150
August	128,803	930	787	48,924	NM	37,435	24,420	1,378	-570	29	242,139
September	105,089	861	789	36,959	NM	34,639	19,534	1,348	-471	17	198,767
October	94,027	826	583	32,534	NM	33,558	17,957	2,009	-488	21	181,030
November	89,880	805	401	29,768	5	34,107	19,418	2,129	-381	23	176,154
December	99,472	837	599	33,418	3	38,952	22,163	2,062	-438	23	197,091
<b>2012</b>											
January	96,691	854	670	36,112	175	38,271	21,538	2,592	-283	34	196,654
February	86,387	695	495	35,134	165	33,119	18,801	2,114	-191	29	176,749
March	80,807	762	257	36,830	NM	30,602	23,880	2,674	-197	21	175,638
April	74,755	789	294	39,168	NM	27,884	24,694	2,359	-227	21	169,741
May	88,093	802	346	45,904	39	31,384	26,578	2,587	-264	26	195,497
June	100,198	926	321	48,990	155	34,052	25,133	2,377	-410	35	211,777
July	121,227	1,123	442	58,636	29	35,999	25,376	1,763	-498	26	244,124
<b>Year to Date</b>											
2010	813,772	10,801	5,360	218,291	40	247,574	147,484	10,125	-2,372	256	1,451,331
2011	783,108	7,297	5,127	226,380	22	236,611	194,273	12,794	-2,959	155	1,462,810
2012	648,159	5,950	2,826	300,774	568	231,312	166,001	16,467	-2,069	192	1,370,179
<b>Rolling 12 Months Ending in July</b>											
2011	1,347,364	13,754	8,575	400,704	NM	413,880	282,894	20,597	-5,053	362	2,483,111
2012	1,165,428	10,209	5,984	482,377	NM	410,003	269,494	25,391	-4,415	304	2,365,359

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

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

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 2010 and prior years are final. Values for 2011 and 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 1.3. Net Generation by Energy Source: Independent Power Producers, 2002-July 2012**  
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	Hydroelectric Pumped Storage	Other	Total
<b>Annual Totals</b>											
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	414,493	3,590	2,791	522,585	3,110	374,923	25,375	144,166	-607	6,649	1,497,075
<b>2010</b>											
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
September	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	130,727
<b>2011</b>											
January	42,613	575	260	38,200	245	35,000	1,790	10,733	74	491	129,982
February	33,203	244	268	34,422	204	30,670	1,738	12,096	58	462	113,364
March	30,939	225	338	33,350	249	31,461	2,554	12,510	-72	565	112,118
April	29,439	226	216	35,169	248	25,583	2,645	13,970	-63	566	108,000
May	31,380	251	243	37,719	243	28,511	2,739	13,519	-51	563	115,117
June	36,866	347	226	46,080	275	30,635	2,217	13,118	-76	585	130,274
July	41,914	538	278	63,328	294	33,901	1,947	10,150	-96	615	152,869
August	40,769	302	224	63,066	291	33,903	1,796	10,075	-94	587	150,920
September	34,369	240	185	47,433	285	32,210	1,841	9,339	-83	536	126,354
October	31,174	205	177	39,873	276	29,796	1,947	12,364	-84	535	116,264
November	29,988	199	193	38,649	237	30,367	1,803	13,883	-60	542	115,801
December	31,840	238	182	45,296	263	32,885	2,358	12,408	-59	601	126,012
<b>2012</b>											
January	30,739	232	183	47,420	247	34,111	2,211	15,065	-47	572	130,733
February	25,974	155	179	48,770	257	30,730	1,847	12,574	-35	529	120,980
March	23,745	135	221	48,781	274	31,128	2,210	14,770	-71	589	121,781
April	20,136	152	87	49,842	239	27,987	1,886	13,940	-15	572	114,827
May	27,269	225	122	54,410	231	30,697	2,219	13,947	-80	592	129,634
June	30,362	311	111	59,454	232	31,088	1,800	13,300	-78	456	137,035
July	38,430	335	137	72,756	245	33,130	1,585	11,115	-89	633	158,277
<b>Year to Date</b>											
2010	260,988	3,032	2,284	281,583	1,841	219,360	13,753	69,534	-673	3,618	855,319
2011	246,354	2,406	1,830	288,268	1,758	215,762	15,630	86,096	-227	3,848	861,724
2012	196,654	1,547	1,040	381,433	1,725	218,872	13,758	94,711	-415	3,942	913,267
<b>Rolling 12 Months Ending in July</b>											
2011	435,075	4,491	3,043	515,459	2,832	378,527	24,227	137,518	-589	6,576	1,507,159
2012	364,794	2,731	2,002	615,750	3,077	378,033	23,503	152,781	-795	6,743	1,548,618

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

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

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 2010 and prior years are final. Values for 2011 and 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 1.4. Net Generation by Energy Source: Commercial Combined Heat and Power Sector, 2002-July 2012**  
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	Hydroelectric Pumped Storage	Other	Total
<b>Annual Totals</b>											
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	989	90	3	4,526	6	--	95	1,808	--	886	8,403
<b>2010</b>											
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
September	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
<b>2011</b>											
January	103	12	1	402	--	--	9	143	--	68	739
February	95	7	1	350	--	--	10	130	--	62	656
March	97	6	1	341	--	--	12	138	--	71	666
April	71	NM	--	347	NM	--	NM	124	--	63	622
May	77	6	--	373	NM	--	NM	165	--	82	714
June	82	8	--	368	NM	--	9	149	--	76	693
July	96	13	--	431	NM	--	11	159	--	81	791
August	86	7	--	408	NM	--	NM	165	--	81	752
September	76	6	--	356	NM	--	NM	155	--	76	674
October	63	8	--	359	NM	--	NM	158	--	75	668
November	64	5	*	378	NM	--	NM	161	--	75	691
December	78	5	1	413	NM	--	NM	159	--	75	739
<b>2012</b>											
January	83	NM	1	387	NM	--	NM	173	--	47	698
February	82	3	1	357	NM	--	NM	172	--	48	665
March	68	NM	1	363	NM	--	NM	169	--	51	658
April	49	6	*	359	NM	--	NM	176	--	47	639
May	67	6	--	364	NM	--	NM	194	--	54	686
June	64	10	--	453	NM	--	NM	339	--	163	1,034
July	71	11	1	467	NM	--	NM	216	--	92	861
<b>Year to Date</b>											
2010	681	77	3	2,519	2	--	57	992	--	484	4,815
2011	623	57	2	2,613	NM	--	72	1,008	--	504	4,881
2012	483	45	2	2,748	5	--	NM	1,438	--	502	5,240
<b>Rolling 12 Months Ending in July</b>											
2011	1,053	NM	6	4,819	NM	--	NM	1,731	--	854	8,658
2012	850	NM	3	4,662	NM	--	NM	2,238	--	884	8,763

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

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

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 2010 and prior years are final. Values for 2011 and 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 1.5. Net Generation by Energy Source: Industrial Combined Heat and Power Sector, 2002-July 2012**  
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable	Hydroelectric Pumped Storage	Other	Total
<b>Annual Totals</b>											
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	18,406	604	1,242	81,500	8,115	--	1,838	27,300	--	3,261	142,266
<b>2010</b>											
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
September	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
<b>2011</b>											
January	1,723	67	131	7,017	663	--	137	2,342	--	259	12,341
February	1,447	52	100	6,314	564	--	160	2,086	--	238	10,961
March	1,457	52	113	6,478	705	--	188	2,222	--	280	11,494
April	1,155	NM	100	6,473	662	--	196	2,175	--	265	11,089
May	1,622	39	100	6,829	597	--	208	2,123	--	304	11,822
June	1,549	53	102	6,696	698	--	147	2,394	--	282	11,921
July	1,763	42	117	7,181	762	--	118	2,382	--	305	12,669
August	1,814	46	111	7,248	706	--	100	2,347	--	268	12,639
September	1,686	68	98	6,629	670	--	123	2,293	--	245	11,811
October	1,609	44	91	6,312	669	--	126	2,198	--	268	11,317
November	1,266	36	85	6,841	680	--	147	2,304	--	263	11,623
December	1,317	45	93	7,480	738	--	188	2,433	--	283	12,577
<b>2012</b>											
January	1,552	46	240	7,295	673	--	182	2,415	--	254	12,657
February	1,388	39	151	6,999	723	--	163	2,220	--	222	11,904
March	1,412	36	161	6,765	747	--	195	2,065	--	253	11,633
April	1,041	50	156	6,513	775	--	166	1,955	--	239	10,895
May	1,048	31	145	7,249	762	--	192	2,230	--	295	11,952
June	1,114	41	157	7,287	691	--	138	2,258	--	258	11,944
July	1,295	32	172	7,908	762	--	118	2,310	--	293	12,891
<b>Year to Date</b>											
2010	10,645	496	819	46,611	4,749	--	1,111	15,264	--	2,922	82,617
2011	10,715	366	764	46,989	4,652	--	1,154	15,724	--	1,934	82,298
2012	8,848	275	1,182	50,018	5,133	--	1,153	15,452	--	1,814	83,876
<b>Rolling 12 Months Ending in July</b>											
2011	18,511	NM	1,359	81,961	8,246	--	1,711	27,037	--	4,226	143,764
2012	16,540	513	1,660	84,529	8,597	--	1,837	27,027	--	3,141	143,844

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

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

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 2010 and prior years are final. Values for 2011 and 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 1.6.A. Net Generation by State, by Sector, July 2012 and 2011  
(Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	12,384	12,698	-2.5%	424	474	11,356	11,645	79	84	525	495
Connecticut	3,503	3,431	2.1%	NM	NM	3,448	3,383	NM	NM	39	35
Maine	1,427	1,481	-3.6%	NM	NM	961	1,031	18	19	448	430
Massachusetts	4,140	4,253	-2.7%	89	74	3,976	4,106	43	48	32	25
New Hampshire	1,910	2,084	-8.4%	284	336	1,621	1,742	NM	NM	NM	NM
Rhode Island	865	866	-0.1%	NM	NM	857	858	NM	NM	--	--
Vermont	539	584	-7.6%	45	57	493	525	--	--	NM	NM
Middle Atlantic	44,132	43,525	1.4%	3,454	3,751	40,149	39,236	140	123	389	415
New Jersey	7,162	6,537	9.6%	-17	-21	7,078	6,459	41	37	61	62
New York	14,423	14,454	-0.2%	3,442	3,731	10,829	10,582	68	58	84	83
Pennsylvania	22,546	22,534	0.1%	28	41	22,242	22,195	31	28	245	270
East North Central	63,754	65,231	-2.3%	33,431	35,592	29,255	28,601	175	137	893	902
Illinois	19,075	19,162	-0.4%	1,551	1,383	17,257	17,530	36	36	231	213
Indiana	11,687	12,353	-5.4%	10,490	10,987	873	1,039	26	26	298	301
Michigan	11,435	11,598	-1.4%	8,201	8,614	3,052	2,816	93	59	88	109
Ohio	13,988	14,945	-6.4%	8,086	9,507	5,818	5,352	--	--	84	86
Wisconsin	7,568	7,173	5.5%	5,102	5,101	2,256	1,863	NM	NM	191	193
West North Central	34,389	33,052	4.0%	31,419	30,550	2,570	2,127	54	49	346	327
Iowa	5,778	5,481	5.4%	4,821	4,592	754	706	17	NM	185	167
Kansas	4,877	4,901	-0.5%	4,601	4,725	277	176	--	--	--	--
Minnesota	5,684	5,453	4.2%	4,828	4,752	702	551	NM	NM	139	138
Missouri	9,949	9,591	3.7%	9,498	9,242	426	325	20	20	NM	NM
Nebraska	3,608	3,433	5.1%	3,535	3,381	68	48	NM	NM	NM	NM
North Dakota	3,222	2,860	13.0%	3,000	2,637	207	208	NM	NM	15	NM
South Dakota	1,272	1,333	-4.6%	1,135	1,221	137	112	NM	NM	--	--
South Atlantic	79,427	80,294	-1.1%	63,506	65,599	14,260	13,121	68	57	1,592	1,518
Delaware	1,088	860	27.0%	NM	NM	968	855	NM	--	112	--
District of Columbia	--	73	-100.0%	--	--	--	73	--	--	--	--
Florida	22,156	22,843	-3.0%	19,663	20,632	2,049	1,696	NM	NM	437	506
Georgia	13,466	12,998	3.6%	10,744	11,082	2,292	1,506	NM	NM	428	408
Maryland	4,441	4,597	-3.4%	NM	NM	4,355	4,548	17	4	68	44
North Carolina	12,969	12,467	4.0%	12,211	11,698	606	603	5	9	149	157
South Carolina	9,836	10,234	-3.9%	9,464	9,813	218	246	NM	NM	153	174
Virginia	8,462	7,903	7.1%	6,842	6,340	1,405	1,366	36	33	179	164
West Virginia	7,008	8,320	-16.0%	4,574	6,027	2,367	2,229	--	--	67	64
East South Central	39,127	39,328	-0.5%	32,164	33,442	6,140	5,070	NM	NM	809	803
Alabama	15,803	15,849	-0.3%	10,909	11,829	4,497	3,634	--	--	397	386
Kentucky	8,949	9,883	-9.4%	8,787	9,790	115	45	--	--	47	48
Mississippi	6,330	5,888	7.5%	4,649	4,336	1,525	1,389	NM	NM	154	161
Tennessee	8,044	7,709	4.4%	7,819	7,487	3	3	NM	NM	211	208
West South Central	70,429	72,804	-3.3%	27,135	28,971	36,706	37,302	53	54	6,535	6,478
Arkansas	6,487	6,663	-2.6%	4,101	4,773	2,227	1,722	NM	NM	158	167
Louisiana	10,594	10,426	1.6%	5,609	5,664	2,556	2,372	NM	NM	2,424	2,386
Oklahoma	9,250	9,182	0.7%	6,904	7,231	2,262	1,860	NM	NM	79	88
Texas	44,097	46,533	-5.2%	10,521	11,303	29,660	31,348	43	45	3,873	3,838
Mountain	35,748	35,686	0.2%	28,288	28,296	7,130	7,074	28	NM	302	298
Arizona	11,105	11,305	-1.8%	8,698	9,148	2,375	2,120	NM	NM	26	31
Colorado	5,359	4,976	7.7%	4,310	3,988	1,038	981	NM	NM	6	6
Idaho	1,712	1,753	-2.4%	1,389	1,443	281	264	--	--	42	46
Montana	2,462	2,781	-11.0%	1,030	1,047	1,432	1,733	--	--	NM	NM
Nevada	3,841	3,605	6.5%	2,681	2,497	1,125	1,082	9	NM	26	21
New Mexico	3,601	3,648	-1.3%	3,046	3,108	544	533	NM	NM	NM	NM
Utah	3,729	3,806	-2.0%	3,431	3,500	171	181	NM	NM	127	124
Wyoming	3,940	3,813	3.3%	3,704	3,564	165	180	--	--	71	69
Pacific Contiguous	35,365	35,425	-0.2%	23,313	25,457	10,368	8,361	214	208	1,469	1,399
California	18,496	19,392	-4.6%	7,962	10,732	8,987	7,187	209	197	1,337	1,276
Oregon	5,275	5,078	3.9%	4,246	4,384	994	660	NM	2	33	32
Washington	11,594	10,954	5.8%	11,105	10,340	387	514	NM	9	100	91
Pacific Noncontiguous	1,398	1,436	-2.7%	989	1,019	341	333	36	50	31	35
Alaska	551	560	-1.5%	518	514	17	NM	10	23	NM	NM
Hawaii	846	876	-3.4%	471	504	324	316	26	28	25	28
U.S. Total	416,152	419,480	-0.8%	244,124	253,150	158,277	152,869	861	791	12,891	12,669

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	70,839	72,718	-2.6%	2,046	2,916	64,984	66,129	544	503	3,264	3,170
Connecticut	20,576	19,683	4.5%	NM	NM	20,270	19,423	57	39	207	181
Maine	8,676	9,079	-4.4%	NM	NM	5,675	6,118	119	120	2,881	2,840
Massachusetts	20,600	22,893	-10.0%	338	334	19,793	22,143	327	300	142	115
New Hampshire	12,163	12,024	1.2%	1,276	2,132	10,860	9,862	7	11	NM	NM
Rhode Island	4,960	4,823	2.9%	6	6	4,920	4,784	35	32	--	--
Vermont	3,864	4,217	-8.4%	383	403	3,467	3,798	--	--	NM	NM
Middle Atlantic	251,218	250,073	0.5%	21,791	21,504	225,965	225,212	887	754	2,575	2,602
New Jersey	38,966	38,123	2.2%	-49	-103	38,483	37,652	143	215	388	359
New York	80,409	79,412	1.3%	21,124	20,607	58,237	57,832	486	380	562	593
Pennsylvania	131,843	132,538	-0.5%	715	1,000	129,245	129,728	258	159	1,625	1,651
East North Central	363,369	371,857	-2.3%	179,236	199,597	177,347	165,874	915	840	5,870	5,545
Illinois	115,589	115,813	-0.2%	7,121	6,949	106,874	107,235	264	283	1,330	1,347
Indiana	67,590	70,880	-4.6%	58,510	60,630	6,959	8,372	135	136	1,986	1,742
Michigan	65,131	64,723	0.6%	46,774	51,116	17,321	12,565	395	341	642	700
Ohio	76,595	82,671	-7.4%	42,634	53,401	33,303	28,714	--	--	657	557
Wisconsin	38,463	37,770	1.8%	24,198	27,501	12,890	8,989	121	80	1,255	1,200
West North Central	191,305	196,326	-2.6%	168,092	176,012	20,672	17,829	326	257	2,214	2,228
Iowa	33,784	33,305	1.4%	25,499	25,690	7,057	6,405	110	108	1,118	1,102
Kansas	24,182	25,730	-6.0%	22,048	24,095	2,083	1,635	--	--	51	--
Minnesota	30,921	31,817	-2.8%	24,821	26,524	5,099	4,263	102	70	899	960
Missouri	54,008	57,653	-6.3%	51,891	56,171	1,987	1,365	104	72	25	45
Nebraska	20,219	20,268	-0.2%	19,564	19,773	622	465	10	7	23	23
North Dakota	21,262	20,276	4.9%	18,699	17,820	2,466	2,359	NM	NM	97	97
South Dakota	6,928	7,277	-4.8%	5,570	5,939	1,359	1,338	NM	NM	--	--
South Atlantic	436,616	456,635	-4.4%	353,337	376,365	72,836	70,042	375	339	10,068	9,889
Delaware	5,339	3,734	43.0%	NM	NM	4,854	3,617	NM	--	452	98
District of Columbia	9	103	-91.0%	--	--	9	103	--	--	--	--
Florida	129,072	129,752	-0.5%	115,159	116,974	11,008	9,733	79	40	2,826	3,004
Georgia	72,482	75,628	-4.2%	59,254	65,818	10,452	7,082	14	13	2,762	2,715
Maryland	21,165	25,695	-18.0%	6	5	20,729	25,406	86	26	344	257
North Carolina	68,954	71,729	-3.9%	64,353	67,302	3,621	3,373	23	40	956	1,014
South Carolina	56,950	60,629	-6.1%	54,763	58,645	1,119	861	NM	NM	1,066	1,121
Virginia	42,321	41,474	2.0%	33,487	33,702	7,650	6,517	169	218	1,016	1,037
West Virginia	40,323	47,892	-16.0%	26,285	33,899	13,392	13,350	--	--	645	643
East South Central	218,531	229,519	-4.8%	180,423	201,335	32,723	22,812	76	68	5,310	5,304
Alabama	89,350	90,901	-1.7%	61,370	71,505	25,357	16,834	--	--	2,624	2,562
Kentucky	52,406	58,641	-11.0%	51,905	58,219	236	84	--	--	265	337
Mississippi	32,326	30,148	7.2%	24,172	23,252	7,087	5,848	NM	NM	1,054	1,035
Tennessee	44,448	49,829	-11.0%	42,977	48,359	42	46	62	55	1,368	1,370
West South Central	400,073	395,849	1.1%	148,501	150,915	208,330	202,234	310	302	42,932	42,398
Arkansas	40,093	35,935	12.0%	27,112	26,361	11,848	8,426	NM	NM	1,130	1,146
Louisiana	61,052	61,325	-0.4%	31,115	31,702	13,970	13,188	28	26	15,938	16,408
Oklahoma	48,324	44,947	7.5%	35,102	35,434	12,736	8,983	NM	NM	464	514
Texas	250,605	253,643	-1.2%	55,172	57,418	169,776	171,638	257	256	25,400	24,330
Mountain	209,550	206,034	1.7%	165,752	166,045	42,016	38,310	169	124	1,612	1,556
Arizona	64,371	60,526	6.4%	54,041	53,329	10,156	6,995	44	39	130	163
Colorado	30,973	29,680	4.4%	24,417	23,577	6,491	6,052	26	NM	38	39
Idaho	10,102	10,281	-1.7%	7,393	8,162	2,414	1,821	--	--	295	298
Montana	15,361	16,797	-8.5%	5,104	5,775	10,254	11,020	--	--	NM	NM
Nevada	19,185	17,871	7.4%	12,954	11,672	6,040	6,059	54	34	137	107
New Mexico	21,060	22,311	-5.6%	17,290	18,703	3,717	3,566	44	39	NM	NM
Utah	21,758	22,694	-4.1%	20,192	21,408	1,113	884	NM	NM	452	401
Wyoming	26,740	25,874	3.3%	24,361	23,419	1,830	1,913	--	--	549	543
Pacific Contiguous	221,235	222,687	-0.7%	143,889	160,913	66,216	51,059	1,343	1,349	9,787	9,367
California	111,840	113,320	-1.3%	46,251	61,731	55,428	41,859	1,314	1,279	8,847	8,451
Oregon	37,045	36,584	1.3%	29,592	31,189	7,202	5,123	13	13	238	260
Washington	72,350	72,782	-0.6%	68,046	67,992	3,585	4,077	NM	58	703	656
Pacific Noncontiguous	9,827	10,014	-1.9%	7,110	7,208	2,177	2,222	294	345	245	239
Alaska	4,064	4,005	1.5%	3,775	3,691	107	109	126	154	56	52
Hawaii	5,762	6,009	-4.1%	3,335	3,517	2,070	2,113	168	191	189	NM
U.S. Total	2,372,562	2,411,712	-1.6%	1,370,179	1,462,810	913,267	861,724	5,240	4,881	83,876	82,298

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	612	965	-37.0%	205	262	403	698	--	--	4	NM
Connecticut	19	161	-88.0%	--	--	19	161	--	--	--	--
Maine	3	3	-3.0%	--	--	1	1	--	--	2	2
Massachusetts	385	539	-29.0%	--	--	382	536	--	--	NM	NM
New Hampshire	205	262	-22.0%	205	262	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	11,260	12,342	-8.8%	--	NM	11,134	12,188	--	*	126	142
New Jersey	537	717	-25.0%	--	--	537	717	--	--	--	--
New York	870	1,294	-33.0%	--	NM	840	1,251	--	--	30	31
Pennsylvania	9,853	10,330	-4.6%	--	--	9,757	10,220	--	*	96	111
East North Central	36,549	41,148	-11.0%	26,503	30,015	9,731	10,803	34	40	280	290
Illinois	8,104	8,747	-7.4%	1,095	1,152	6,838	7,434	--	--	171	160
Indiana	9,411	10,630	-11.0%	8,987	9,927	402	682	18	17	NM	NM
Michigan	5,539	5,870	-5.6%	5,480	5,795	34	35	15	21	11	19
Ohio	9,755	11,628	-16.0%	7,274	8,952	2,457	2,651	--	--	23	25
Wisconsin	3,740	4,273	-12.0%	3,667	4,189	--	--	NM	NM	71	82
West North Central	22,123	22,484	-1.6%	21,830	22,206	--	--	20	22	274	256
Iowa	3,810	3,959	-3.8%	3,615	3,782	--	--	13	NM	182	165
Kansas	3,002	3,137	-4.3%	3,002	3,137	--	--	--	--	--	--
Minnesota	2,311	2,798	-17.0%	2,235	2,723	--	--	--	--	76	75
Missouri	7,625	7,494	1.7%	7,614	7,481	--	--	7	9	NM	NM
Nebraska	2,379	2,413	-1.4%	2,376	2,410	--	--	--	--	NM	NM
North Dakota	2,709	2,372	14.0%	2,701	2,364	--	--	--	--	9	NM
South Dakota	287	310	-7.4%	287	310	--	--	--	--	--	--
South Atlantic	31,309	35,687	-12.0%	25,670	29,776	5,411	5,629	5	11	223	271
Delaware	220	231	-4.7%	--	--	220	231	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,754	5,450	-13.0%	4,459	5,133	273	290	--	--	22	28
Georgia	5,090	6,584	-23.0%	5,048	6,517	--	--	--	--	42	67
Maryland	2,310	2,436	-5.2%	--	--	2,293	2,415	--	--	16	20
North Carolina	6,365	6,610	-3.7%	6,146	6,334	190	234	3	8	26	34
South Carolina	3,372	3,881	-13.0%	3,355	3,848	--	17	--	--	18	16
Virginia	2,410	2,374	1.5%	2,131	1,967	219	336	NM	NM	57	68
West Virginia	6,788	8,122	-16.0%	4,532	5,977	2,216	2,106	--	--	41	38
East South Central	19,243	21,007	-8.4%	18,775	20,579	312	266	NM	NM	153	160
Alabama	5,589	6,414	-13.0%	5,546	6,365	7	6	--	--	37	44
Kentucky	8,173	9,170	-11.0%	8,173	9,170	--	--	--	--	--	--
Mississippi	1,069	1,242	-14.0%	764	982	305	261	--	--	--	--
Tennessee	4,412	4,180	5.5%	4,294	4,062	--	--	NM	NM	116	116
West South Central	22,232	24,491	-9.2%	12,110	13,509	10,073	10,534	--	--	49	449
Arkansas	2,461	2,846	-14.0%	2,039	2,579	414	260	--	--	8	7
Louisiana	2,331	2,418	-3.6%	1,152	1,148	1,179	1,270	--	--	--	--
Oklahoma	3,141	3,411	-7.9%	2,922	3,148	178	214	--	--	41	49
Texas	14,300	15,815	-9.6%	5,998	6,634	8,302	8,789	--	--	--	392
Mountain	17,261	17,878	-3.5%	16,013	16,304	1,101	1,422	--	--	147	152
Arizona	3,482	3,935	-12.0%	3,457	3,905	--	--	--	--	25	30
Colorado	3,455	3,194	8.2%	3,441	3,176	NM	17	--	--	--	--
Idaho	NM	NM	NM	--	--	--	--	--	--	NM	NM
Montana	921	1,217	-24.0%	NM	NM	895	1,189	--	--	--	--
Nevada	525	666	-21.0%	418	542	107	124	--	--	--	--
New Mexico	2,406	2,441	-1.4%	2,406	2,441	--	--	--	--	--	--
Utah	2,926	3,073	-4.8%	2,794	2,940	NM	36	--	--	97	97
Wyoming	3,541	3,347	5.8%	3,472	3,273	NM	NM	--	--	18	NM
Pacific Contiguous	256	518	-51.0%	104	254	117	231	--	--	35	34
California	150	206	-27.0%	--	--	117	174	--	--	33	32
Oregon	104	254	-59.0%	104	254	--	--	--	--	--	--
Washington	2	59	-96.0%	--	--	--	57	--	--	2	2
Pacific Noncontiguous	178	189	-5.7%	17	19	148	143	9	22	NM	NM
Alaska	43	58	-26.0%	17	19	17	NM	9	22	--	--
Hawaii	136	131	3.1%	--	--	131	127	--	--	NM	NM
U.S. Total	161,023	176,709	-8.9%	121,227	132,936	38,430	41,914	71	96	1,295	1,763

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	2,129	5,684	-63.0%	813	1,681	1,292	3,975	--	--	24	28
Connecticut	58	461	-87.0%	--	--	58	461	--	--	--	--
Maine	21	34	-37.0%	--	--	14	23	--	--	7	11
Massachusetts	1,236	3,508	-65.0%	--	--	1,219	3,490	--	--	17	NM
New Hampshire	813	1,681	-52.0%	813	1,681	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	54,464	71,006	-23.0%	1	NM	53,651	70,041	1	2	812	912
New Jersey	1,184	3,224	-63.0%	--	--	1,184	3,224	--	--	--	--
New York	2,758	7,040	-61.0%	1	NM	2,569	6,776	--	1	188	211
Pennsylvania	50,522	60,742	-17.0%	--	--	49,898	60,041	1	NM	624	701
East North Central	197,909	237,448	-17.0%	140,828	171,379	55,029	63,858	203	272	1,848	1,940
Illinois	46,034	52,554	-12.0%	6,464	6,553	38,538	44,910	17	22	1,015	1,070
Indiana	53,052	60,942	-13.0%	49,509	55,887	3,435	4,943	83	86	25	25
Michigan	29,378	34,672	-15.0%	28,997	34,163	210	230	92	152	78	126
Ohio	51,685	65,429	-21.0%	38,603	51,474	12,846	13,774	--	--	236	181
Wisconsin	17,761	23,851	-26.0%	17,255	23,301	--	--	NM	NM	494	538
West North Central	121,327	136,660	-11.0%	119,520	134,817	--	--	120	142	1,686	1,701
Iowa	20,034	22,298	-10.0%	18,853	21,132	--	--	83	86	1,097	1,080
Kansas	15,469	18,726	-17.0%	15,469	18,726	--	--	--	--	--	--
Minnesota	12,367	17,400	-29.0%	11,880	16,902	--	--	--	--	487	498
Missouri	41,864	46,530	-10.0%	41,806	46,432	--	--	37	56	22	42
Nebraska	13,681	14,084	-2.9%	13,659	14,061	--	--	--	--	23	23
North Dakota	16,423	15,719	4.5%	16,366	15,662	--	--	--	--	57	58
South Dakota	1,488	1,902	-22.0%	1,488	1,902	--	--	--	--	--	--
South Atlantic	154,419	206,350	-25.0%	128,836	172,845	24,223	31,816	25	45	1,335	1,645
Delaware	734	1,115	-34.0%	--	--	734	1,115	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	25,559	32,305	-21.0%	24,203	30,345	1,233	1,783	--	--	123	177
Georgia	24,887	38,846	-36.0%	24,582	38,442	--	--	--	--	306	404
Maryland	8,374	13,739	-39.0%	--	--	8,277	13,615	--	--	97	124
North Carolina	30,287	38,554	-21.0%	29,057	36,920	1,052	1,385	15	32	163	216
South Carolina	17,307	22,014	-21.0%	17,215	21,868	NM	38	--	--	88	108
Virginia	8,998	13,718	-34.0%	7,864	11,802	782	1,520	NM	NM	341	383
West Virginia	38,273	46,060	-17.0%	25,915	33,467	12,141	12,360	--	--	217	232
East South Central	95,772	123,672	-23.0%	93,240	121,179	1,537	1,453	12	NM	982	1,028
Alabama	24,691	35,956	-31.0%	24,446	35,624	25	73	--	--	220	259
Kentucky	47,711	54,393	-12.0%	47,711	54,393	--	--	--	--	--	--
Mississippi	4,383	6,161	-29.0%	2,871	4,781	1,513	1,380	--	--	--	--
Tennessee	18,987	27,163	-30.0%	18,212	26,381	--	--	12	NM	763	769
West South Central	120,687	145,494	-17.0%	68,181	79,013	51,092	63,780	--	--	1,414	2,702
Arkansas	16,870	17,024	-0.9%	14,134	14,756	2,680	2,204	--	--	56	64
Louisiana	11,363	14,121	-20.0%	5,552	6,507	5,811	7,614	--	--	--	--
Oklahoma	16,978	20,899	-19.0%	15,962	19,563	819	1,077	--	--	197	259
Texas	75,477	93,451	-19.0%	32,534	38,187	41,783	52,885	--	--	1,160	2,379
Mountain	103,891	109,726	-5.3%	95,712	100,677	7,676	8,539	--	--	502	509
Arizona	22,448	24,318	-7.7%	22,327	24,160	--	--	--	--	121	158
Colorado	19,709	19,477	1.2%	19,632	19,376	77	101	--	--	--	--
Idaho	44	46	-3.8%	--	--	--	--	--	--	44	46
Montana	6,692	7,356	-9.0%	NM	167	6,542	7,189	--	--	--	--
Nevada	1,536	2,685	-43.0%	989	1,994	546	691	--	--	--	--
New Mexico	14,060	15,724	-11.0%	14,060	15,724	--	--	--	--	--	--
Utah	16,464	18,481	-11.0%	16,040	18,074	202	221	--	--	222	187
Wyoming	22,938	21,640	6.0%	22,512	21,184	310	338	--	--	116	118
Pacific Contiguous	2,316	3,509	-34.0%	900	1,364	1,188	1,917	--	--	227	228
California	993	1,260	-21.0%	--	--	785	1,047	--	--	208	213
Oregon	900	1,364	-34.0%	900	1,364	--	--	--	--	--	--
Washington	422	885	-52.0%	--	--	402	869	--	--	20	16
Pacific Noncontiguous	1,233	1,249	-1.3%	127	102	967	975	123	150	NM	NM
Alaska	356	361	-1.4%	127	102	107	109	123	150	--	--
Hawaii	876	887	-1.2%	--	--	860	865	--	--	NM	NM
U.S. Total	854,145	1,040,798	-18.0%	648,159	783,108	196,654	246,354	483	623	8,848	10,715

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

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	70	107	-35.0%	10	10	48	81	9	10	NM	6
Connecticut	27	36	-25.0%	NM	NM	27	36	--	--	NM	NM
Maine	17	24	-27.0%	NM	NM	14	17	NM	NM	NM	6
Massachusetts	17	39	-58.0%	3	4	7	28	7	7	NM	NM
New Hampshire	8	6	22.0%	6	4	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	--	--	--	--
Middle Atlantic	238	313	-24.0%	137	156	93	150	NM	NM	7	7
New Jersey	7	20	-68.0%	NM	NM	6	19	NM	NM	NM	NM
New York	180	221	-19.0%	136	155	37	60	NM	NM	6	6
Pennsylvania	51	71	-29.0%	NM	NM	51	71	NM	NM	NM	NM
East North Central	74	75	-0.5%	63	64	10	10	NM	NM	1	1
Illinois	6	8	-21.0%	2	3	4	5	NM	NM	NM	NM
Indiana	13	17	-21.0%	13	16	NM	NM	NM	NM	*	NM
Michigan	14	21	-35.0%	14	21	--	NM	NM	NM	*	*
Ohio	30	24	26.0%	24	19	6	5	--	--	*	*
Wisconsin	11	5	109.0%	11	5	*	--	NM	NM	NM	NM
West North Central	28	20	37.0%	27	20	NM	NM	NM	NM	NM	NM
Iowa	7	6	10.0%	7	6	NM	NM	NM	NM	NM	NM
Kansas	NM	3	NM	NM	3	--	--	--	--	--	--
Minnesota	8	3	193.0%	8	3	NM	NM	NM	NM	NM	NM
Missouri	8	4	96.0%	8	4	--	--	NM	NM	--	--
Nebraska	1	2	-30.0%	1	2	--	--	--	--	--	--
North Dakota	2	3	-40.0%	2	3	--	--	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
South Atlantic	336	376	-11.0%	279	224	48	140	NM	NM	8	12
Delaware	5	6	-17.0%	NM	NM	5	6	--	--	--	--
District of Columbia	--	73	-100.0%	--	--	--	73	--	--	--	--
Florida	132	97	37.0%	127	93	4	NM	--	--	NM	3
Georgia	7	9	-18.0%	5	5	NM	NM	NM	NM	3	4
Maryland	20	49	-60.0%	NM	NM	19	49	NM	NM	NM	*
North Carolina	13	13	-3.2%	11	12	NM	NM	NM	NM	NM	NM
South Carolina	10	8	25.0%	9	7	--	--	NM	NM	1	1
Virginia	137	111	24.0%	116	96	19	12	*	*	NM	3
West Virginia	11	10	9.1%	11	10	--	--	--	--	--	--
East South Central	29	47	-38.0%	25	44	NM	NM	--	--	NM	NM
Alabama	10	10	1.8%	6	7	NM	NM	--	--	NM	NM
Kentucky	10	7	39.0%	10	7	--	--	--	--	--	--
Mississippi	1	NM	NM	1	NM	--	--	--	--	*	*
Tennessee	8	30	-72.0%	8	29	--	--	--	--	NM	NM
West South Central	10	14	-30.0%	3	7	6	6	NM	NM	NM	2
Arkansas	1	6	-89.0%	*	3	*	3	--	--	NM	NM
Louisiana	2	2	-19.0%	1	2	1	*	--	--	*	1
Oklahoma	NM	1	NM	*	1	--	--	NM	NM	NM	NM
Texas	7	4	53.0%	2	1	5	3	NM	NM	NM	NM
Mountain	17	22	-20.0%	14	19	3	3	NM	NM	NM	NM
Arizona	3	4	-19.0%	3	3	--	--	NM	NM	NM	NM
Colorado	NM	NM	NM	NM	NM	--	--	--	--	*	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	2	2	-5.1%	NM	NM	2	2	--	--	--	--
Nevada	3	2	14.0%	2	2	1	*	--	--	--	--
New Mexico	3	3	-12.0%	2	3	NM	--	--	NM	NM	NM
Utah	3	4	-6.8%	3	4	--	--	--	--	--	--
Wyoming	3	6	-46.0%	3	6	--	--	--	--	NM	NM
Pacific Contiguous	6	9	-41.0%	5	6	NM	3	NM	NM	NM	NM
California	3	5	-34.0%	3	4	*	NM	NM	NM	NM	NM
Oregon	2	1	55.0%	2	1	--	--	--	--	--	--
Washington	NM	4	NM	NM	NM	NM	3	NM	NM	NM	NM
Pacific Noncontiguous	695	715	-2.8%	559	558	128	146	NM	NM	8	10
Alaska	95	62	54.0%	92	58	--	--	NM	NM	NM	NM
Hawaii	599	653	-8.2%	467	500	128	146	*	*	5	6
U.S. Total	1,502	1,699	-12.0%	1,123	1,106	335	538	11	13	32	42

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	277	485	-43.0%	37	87	182	298	31	41	28	60
Connecticut	73	119	-39.0%	NM	1	72	117	--	--	NM	NM
Maine	75	137	-45.0%	NM	NM	46	76	NM	NM	27	59
Massachusetts	98	163	-40.0%	12	31	64	104	23	28	NM	NM
New Hampshire	25	58	-57.0%	17	45	NM	NM	7	11	NM	NM
Rhode Island	6	7	-14.0%	6	6	NM	NM	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	--	--	--	--
Middle Atlantic	524	1,100	-52.0%	222	376	250	654	6	4	46	66
New Jersey	13	73	-83.0%	NM	NM	9	68	NM	NM	NM	NM
New York	368	721	-49.0%	219	372	101	285	5	3	43	62
Pennsylvania	143	305	-53.0%	NM	NM	140	301	NM	NM	NM	NM
East North Central	360	505	-29.0%	303	433	51	61	NM	3	6	8
Illinois	38	50	-23.0%	12	15	26	34	NM	NM	NM	NM
Indiana	71	106	-33.0%	68	100	NM	NM	NM	NM	3	4
Michigan	91	121	-25.0%	88	119	NM	NM	NM	1	1	1
Ohio	138	206	-33.0%	114	179	23	27	--	--	2	1
Wisconsin	23	22	4.1%	21	20	1	1	NM	NM	NM	NM
West North Central	179	172	4.2%	172	167	5	1	NM	NM	NM	NM
Iowa	57	44	31.0%	57	43	NM	NM	NM	NM	NM	NM
Kansas	18	24	-24.0%	18	24	--	--	--	--	--	--
Minnesota	22	16	38.0%	17	14	4	*	NM	NM	NM	NM
Missouri	42	45	-6.2%	42	45	--	--	NM	NM	--	NM
Nebraska	15	19	-20.0%	15	19	--	--	--	--	--	--
North Dakota	20	21	-7.0%	19	20	--	--	NM	NM	NM	NM
South Dakota	4	3	45.0%	4	3	NM	NM	NM	NM	--	--
South Atlantic	1,203	2,190	-45.0%	967	1,714	168	369	NM	3	65	105
Delaware	16	31	-49.0%	NM	NM	16	31	--	--	--	--
District of Columbia	9	103	-91.0%	--	--	9	103	--	--	--	--
Florida	473	1,102	-57.0%	456	1,074	7	7	--	--	10	20
Georgia	64	85	-25.0%	40	42	NM	3	NM	NM	21	39
Maryland	76	151	-50.0%	3	3	67	145	NM	NM	7	2
North Carolina	124	152	-18.0%	115	135	NM	NM	NM	NM	8	15
South Carolina	71	72	-1.6%	65	64	--	--	NM	NM	5	7
Virginia	287	373	-23.0%	204	284	68	68	1	1	15	21
West Virginia	83	122	-32.0%	83	111	--	10	--	--	--	--
East South Central	235	335	-30.0%	215	303	1	5	--	--	19	27
Alabama	61	90	-32.0%	44	61	1	5	--	--	16	25
Kentucky	68	76	-10.0%	68	76	--	--	--	--	--	--
Mississippi	10	29	-65.0%	8	28	--	--	--	--	2	1
Tennessee	96	140	-31.0%	95	138	--	--	--	--	NM	NM
West South Central	100	177	-43.0%	38	99	51	69	NM	NM	10	8
Arkansas	18	37	-52.0%	10	19	6	16	--	--	NM	NM
Louisiana	21	32	-36.0%	7	20	9	9	--	--	5	3
Oklahoma	7	8	-12.0%	7	8	--	--	NM	NM	NM	NM
Texas	54	100	-45.0%	14	52	36	44	NM	NM	4	3
Mountain	131	152	-14.0%	118	135	11	15	NM	NM	NM	NM
Arizona	27	34	-20.0%	26	33	--	--	NM	NM	NM	NM
Colorado	9	NM	NM	9	NM	*	3	--	*	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	8	9	-9.5%	NM	NM	8	9	--	--	--	--
Nevada	11	8	35.0%	8	6	3	3	--	--	--	--
New Mexico	24	NM	NM	24	NM	NM	--	--	NM	NM	NM
Utah	22	30	-25.0%	22	30	--	--	--	--	--	--
Wyoming	28	34	-16.0%	28	34	--	--	--	--	NM	NM
Pacific Contiguous	42	47	-10.0%	25	28	11	9	NM	NM	6	NM
California	29	23	23.0%	19	21	9	NM	NM	NM	NM	NM
Oregon	3	6	-48.0%	3	5	--	--	--	--	--	1
Washington	11	18	-40.0%	NM	NM	3	8	NM	NM	5	7
Pacific Noncontiguous	4,765	4,963	-4.0%	3,854	3,956	816	925	4	NM	91	NM
Alaska	570	508	12.0%	545	481	--	--	NM	NM	22	24
Hawaii	4,195	4,454	-5.8%	3,309	3,475	816	925	1	1	69	NM
U.S. Total	7,817	10,126	-23.0%	5,950	7,297	1,547	2,406	45	57	275	366

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	28	NM	--	--	--	26	--	--	NM	NM
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	26	-100.0%	--	--	--	26	--	--	--	--
Pennsylvania	NM	NM	NM	--	--	--	--	--	--	NM	NM
East North Central	144	185	-22.0%	15	44	96	106	--	--	33	35
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	NM	NM	NM	NM	6	7	--	--	NM	NM
Ohio	96	105	-8.6%	--	--	89	99	--	--	NM	NM
Wisconsin	36	61	-41.0%	14	42	--	--	--	--	22	19
West North Central	1	13	-96.0%	--	13	--	--	1	--	--	--
Iowa	1	11	-95.0%	--	11	--	--	1	--	--	--
Kansas	--	2	-100.0%	--	2	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	125	281	-56.0%	97	245	--	--	--	--	27	36
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	97	245	-60.0%	97	245	--	--	--	--	--	--
Georgia	27	36	-23.0%	--	--	--	--	--	--	27	36
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	151	150	1.0%	151	150	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	151	150	1.0%	151	150	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	294	533	-45.0%	179	465	5	23	--	--	111	45
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	196	499	-61.0%	179	465	--	--	--	--	NM	NM
Oklahoma	NM	NM	NM	--	--	--	--	--	--	NM	NM
Texas	97	33	190.0%	--	--	5	23	--	--	92	NM
Mountain	30	39	-24.0%	--	--	30	39	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	30	39	-24.0%	--	--	30	39	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	83	NM	--	--	NM	83	--	--	--	--
California	NM	83	NM	--	--	NM	83	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	752	1,312	-43.0%	442	917	137	278	1	--	172	117

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	233	NM	--	--	NM	222	--	--	NM	NM
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	222	NM	--	--	NM	222	--	--	--	--
Pennsylvania	NM	NM	NM	--	--	--	--	--	--	NM	NM
East North Central	821	1,139	-28.0%	54	257	577	662	--	--	190	221
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	81	109	-26.0%	NM	NM	43	42	--	--	NM	55
Ohio	570	664	-14.0%	--	--	535	620	--	--	NM	45
Wisconsin	170	365	-53.0%	45	244	--	--	--	--	125	121
West North Central	14	68	-79.0%	12	66	--	--	2	2	--	--
Iowa	14	55	-74.0%	12	52	--	--	2	2	--	--
Kansas	*	14	-101.0%	*	14	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	658	1,339	-51.0%	458	1,080	--	--	--	--	200	259
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	458	1,080	-58.0%	458	1,080	--	--	--	--	--	--
Georgia	200	259	-23.0%	--	--	--	--	--	--	200	259
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	770	1,006	-23.0%	770	1,006	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	770	1,006	-23.0%	770	1,006	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	2,328	3,154	-26.0%	1,532	2,719	12	161	--	--	785	274
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,654	2,912	-43.0%	1,532	2,719	--	--	--	--	NM	193
Oklahoma	NM	NM	NM	--	--	--	--	--	--	NM	NM
Texas	670	237	182.0%	--	--	12	161	--	--	658	77
Mountain	245	263	-6.6%	--	--	245	263	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	245	263	-6.6%	--	--	245	263	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	172	522	-67.0%	--	--	172	522	--	--	--	--
California	172	522	-67.0%	--	--	172	522	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	5,051	7,723	-35.0%	2,826	5,127	1,040	1,830	2	2	1,182	764

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	7,128	6,850	4.1%	108	77	6,697	6,426	51	54	271	293
Connecticut	1,774	1,516	17.0%	NM	NM	1,723	1,472	NM	NM	38	34
Maine	719	809	-11.0%	--	--	518	574	NM	NM	201	235
Massachusetts	3,052	2,981	2.4%	67	50	2,920	2,868	35	41	30	22
New Hampshire	731	692	5.7%	37	22	691	666	--	--	NM	NM
Rhode Island	852	852	0.0%	--	--	845	845	NM	NM	--	--
Vermont	*	*	-19.0%	*	*	--	--	--	--	--	--
Middle Atlantic	16,673	14,009	19.0%	1,767	1,646	14,697	12,175	72	56	137	132
New Jersey	3,532	2,855	24.0%	--	--	3,471	2,795	NM	NM	49	49
New York	7,517	6,403	17.0%	1,763	1,643	5,681	4,699	49	37	23	23
Pennsylvania	5,625	4,751	18.0%	NM	NM	5,545	4,680	NM	NM	65	59
East North Central	12,208	7,879	55.0%	4,800	2,651	7,163	5,049	91	59	153	121
Illinois	2,408	1,634	47.0%	452	224	1,869	1,332	36	36	50	42
Indiana	1,812	1,293	40.0%	1,400	968	357	275	NM	NM	50	46
Michigan	3,550	2,374	50.0%	1,099	401	2,398	1,955	35	8	NM	NM
Ohio	2,367	1,452	63.0%	753	489	1,608	957	--	--	NM	NM
Wisconsin	2,072	1,127	84.0%	1,097	569	930	529	NM	NM	NM	NM
West North Central	4,867	3,429	42.0%	4,173	2,938	657	467	NM	20	NM	NM
Iowa	753	454	66.0%	749	453	NM	NM	NM	NM	NM	*
Kansas	682	742	-8.1%	682	742	--	--	--	--	--	--
Minnesota	1,518	892	70.0%	1,202	679	298	202	NM	NM	NM	NM
Missouri	1,347	1,050	28.0%	974	774	359	265	13	11	NM	NM
Nebraska	408	206	99.0%	408	205	--	NM	NM	NM	--	--
North Dakota	NM	NM	NM	NM	NM	--	--	--	--	NM	NM
South Dakota	157	84	87.0%	157	84	--	--	--	--	--	--
South Atlantic	28,569	23,928	19.0%	21,348	18,367	6,864	5,308	18	NM	339	248
Delaware	811	608	33.0%	NM	NM	730	603	--	--	74	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	14,963	14,038	6.6%	13,403	12,806	1,423	1,041	NM	NM	132	186
Georgia	4,948	2,991	65.0%	2,594	1,461	2,278	1,492	--	--	76	38
Maryland	780	681	15.0%	--	--	751	674	NM	NM	NM	NM
North Carolina	2,409	1,627	48.0%	2,062	1,331	336	287	1	--	NM	NM
South Carolina	1,492	1,291	16.0%	1,277	1,067	213	223	NM	NM	2	1
Virginia	3,111	2,631	18.0%	2,000	1,694	1,086	930	--	--	26	NM
West Virginia	54	62	-14.0%	5	3	47	58	--	--	NM	NM
East South Central	11,277	9,456	19.0%	5,295	4,532	5,807	4,778	NM	NM	163	136
Alabama	5,978	5,025	19.0%	1,393	1,335	4,473	3,605	--	--	112	84
Kentucky	470	315	49.0%	339	252	114	44	--	--	17	19
Mississippi	4,235	3,632	17.0%	2,984	2,476	1,220	1,128	NM	NM	29	26
Tennessee	593	484	23.0%	579	469	--	--	NM	NM	5	7
West South Central	37,303	37,330	-0.1%	11,537	11,549	20,047	20,562	49	50	5,669	5,169
Arkansas	2,417	1,998	21.0%	597	536	1,806	1,451	NM	NM	14	12
Louisiana	6,167	5,398	14.0%	2,691	2,462	1,329	949	NM	NM	2,143	1,983
Oklahoma	5,453	5,334	2.2%	3,805	3,956	1,632	1,364	NM	NM	NM	NM
Texas	23,266	24,599	-5.4%	4,445	4,594	15,280	16,798	40	42	3,501	3,166
Mountain	10,072	8,769	15.0%	5,803	4,699	4,168	3,986	19	NM	82	68
Arizona	3,985	3,324	20.0%	1,720	1,230	2,258	2,088	NM	NM	NM	NM
Colorado	1,344	1,252	7.3%	689	600	652	651	1	*	NM	NM
Idaho	273	110	148.0%	212	NM	58	42	--	--	NM	NM
Montana	NM	NM	NM	NM	NM	NM	NM	--	--	NM	NM
Nevada	2,762	2,451	13.0%	2,014	1,716	717	709	NM	NM	26	20
New Mexico	1,004	1,039	-3.4%	607	630	387	401	NM	NM	NM	NM
Utah	603	522	16.0%	513	427	74	83	NM	NM	16	NM
Wyoming	NM	52	NM	NM	NM	NM	NM	--	--	32	31
Pacific Contiguous	11,388	8,423	35.0%	3,525	2,678	6,655	4,578	128	160	1,080	1,007
California	10,438	7,868	33.0%	3,049	2,417	6,193	4,294	125	158	1,071	999
Oregon	559	299	87.0%	144	73	408	221	--	--	NM	NM
Washington	391	255	53.0%	332	188	55	63	NM	NM	2	2
Pacific Noncontiguous	283	304	-6.9%	279	301	--	--	NM	--	NM	NM
Alaska	283	304	-6.9%	279	301	--	--	NM	--	NM	NM
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	139,767	120,377	16.0%	58,636	49,437	72,756	63,328	467	431	7,908	7,181

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	35,885	35,610	0.8%	225	207	33,552	33,370	343	338	1,765	1,696
Connecticut	8,652	8,057	7.4%	NM	NM	8,372	7,826	57	39	199	172
Maine	3,748	4,088	-8.3%	--	--	2,321	2,674	NM	NM	1,427	1,413
Massachusetts	14,165	14,836	-4.5%	151	143	13,640	14,331	251	267	123	95
New Hampshire	4,449	3,897	14.0%	49	43	4,384	3,839	--	--	NM	NM
Rhode Island	4,870	4,731	2.9%	--	--	4,835	4,699	35	32	--	--
Vermont	2	2	-26.0%	2	2	--	--	--	--	--	--
Middle Atlantic	83,602	66,801	25.0%	7,897	7,586	74,447	58,111	442	345	816	758
New Jersey	16,833	14,507	16.0%	--	--	16,462	14,165	65	57	306	285
New York	34,635	28,526	21.0%	7,883	7,577	26,269	20,550	331	253	153	147
Pennsylvania	32,134	23,768	35.0%	NM	NM	31,717	23,397	46	35	357	327
East North Central	56,843	28,100	102.0%	20,482	8,704	34,959	18,364	528	352	873	679
Illinois	8,232	4,045	104.0%	612	348	7,127	3,220	247	261	246	216
Indiana	9,820	5,959	65.0%	7,925	4,273	1,533	1,364	27	NM	335	298
Michigan	16,599	7,684	116.0%	3,641	770	12,665	6,814	175	26	118	74
Ohio	13,534	6,567	106.0%	3,680	1,509	9,822	5,030	--	--	32	27
Wisconsin	8,657	3,846	125.0%	4,625	1,804	3,812	1,937	79	41	142	64
West North Central	14,036	7,905	78.0%	11,888	6,763	1,936	1,020	147	67	64	56
Iowa	1,519	738	106.0%	1,498	721	NM	NM	NM	NM	NM	NM
Kansas	2,083	1,792	16.0%	2,083	1,792	--	--	--	--	--	--
Minnesota	5,055	1,984	155.0%	4,202	1,516	740	387	71	46	NM	36
Missouri	4,326	2,943	47.0%	3,061	2,294	1,196	633	68	15	NM	NM
Nebraska	740	318	133.0%	740	318	--	NM	NM	NM	--	--
North Dakota	NM	NM	NM	NM	NM	--	--	--	--	NM	NM
South Dakota	302	120	151.0%	302	120	--	--	--	--	--	--
South Atlantic	154,990	119,861	29.0%	118,580	95,231	34,518	23,229	82	NM	1,810	1,381
Delaware	4,348	2,486	75.0%	NM	NM	4,030	2,387	--	--	290	80
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	87,772	78,740	11.0%	79,401	72,198	7,501	5,622	NM	NM	846	902
Georgia	24,501	14,392	70.0%	13,725	7,130	10,363	6,991	--	--	413	271
Maryland	3,354	1,520	121.0%	--	--	3,222	1,485	55	NM	78	34
North Carolina	11,663	5,908	97.0%	9,580	4,409	2,019	1,460	3	*	61	39
South Carolina	7,923	7,029	13.0%	6,837	6,249	1,068	772	NM	NM	18	7
Virginia	15,254	9,619	59.0%	8,986	5,198	6,171	4,377	--	--	98	43
West Virginia	174	167	4.1%	NM	27	144	135	--	--	NM	NM
East South Central	65,260	45,369	44.0%	33,105	23,216	31,021	21,188	63	56	1,070	910
Alabama	34,508	25,307	36.0%	8,583	8,110	25,215	16,642	--	--	710	555
Kentucky	2,235	980	128.0%	1,882	772	232	79	--	--	122	129
Mississippi	24,513	17,030	44.0%	18,713	12,370	5,574	4,467	NM	NM	212	180
Tennessee	4,004	2,052	95.0%	3,927	1,963	--	--	50	43	27	46
West South Central	200,894	173,214	16.0%	54,494	47,826	110,228	90,875	285	277	35,886	34,236
Arkansas	10,949	7,853	39.0%	1,725	1,589	9,101	6,139	NM	NM	122	125
Louisiana	35,083	32,323	8.5%	13,843	13,623	7,370	4,710	28	26	13,842	13,963
Oklahoma	25,503	19,339	32.0%	17,071	14,099	8,336	5,162	NM	NM	74	62
Texas	129,359	113,699	14.0%	21,854	18,514	85,421	74,864	235	235	21,848	20,086
Mountain	48,998	37,883	29.0%	29,041	21,176	19,238	16,096	120	113	599	498
Arizona	17,729	11,365	56.0%	8,117	4,610	9,564	6,715	40	37	NM	NM
Colorado	6,526	6,047	7.9%	3,694	2,885	2,821	3,151	2	4	NM	NM
Idaho	960	413	133.0%	336	131	602	254	--	--	22	27
Montana	NM	NM	NM	NM	NM	NM	NM	--	--	NM	NM
Nevada	14,141	11,960	18.0%	10,382	8,255	3,588	3,566	36	34	136	106
New Mexico	5,272	4,914	7.3%	3,016	2,749	2,205	2,124	41	39	NM	NM
Utah	3,929	2,851	38.0%	3,377	2,491	399	261	NM	NM	153	100
Wyoming	351	294	19.0%	NM	NM	NM	NM	--	--	263	251
Pacific Contiguous	72,327	47,391	53.0%	22,953	13,580	41,534	26,016	736	1,044	7,104	6,752
California	64,090	43,338	48.0%	19,106	12,259	37,247	23,368	721	1,036	7,016	6,675
Oregon	5,619	2,731	106.0%	1,752	523	3,812	2,164	--	--	55	43
Washington	2,619	1,322	98.0%	2,095	798	475	483	NM	NM	33	34
Pacific Noncontiguous	2,139	2,116	1.1%	2,108	2,091	--	--	NM	NM	NM	24
Alaska	2,139	2,116	1.1%	2,108	2,091	--	--	NM	NM	NM	24
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	734,973	564,249	30.0%	300,774	226,380	381,433	288,268	2,748	2,613	50,018	46,989

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	*	*	14.0%	--	--	*	*	--	--	--	--
Connecticut	*	*	14.0%	--	--	*	*	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	63	72	-13.0%	--	--	NM	6	NM	NM	55	65
New Jersey	12	13	-6.0%	--	--	--	--	NM	NM	12	13
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	50	59	-14.0%	--	--	NM	6	--	--	44	52
East North Central	298	288	3.3%	27	*	32	41	--	--	239	247
Illinois	11	10	6.3%	--	--	1	--	--	--	NM	10
Indiana	241	221	9.1%	27	--	--	--	--	--	215	221
Michigan	30	30	-0.1%	--	--	30	30	--	--	--	--
Ohio	16	27	-41.0%	*	*	1	11	--	--	15	16
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	NM	5	NM	1	1	--	--	--	--	NM	NM
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	NM	--	--	NM	--	--	--	--	--	--
Missouri	1	1	53.0%	1	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	NM	NM	NM	--	--	--	--	--	--	NM	NM
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	65	31	110.0%	--	--	2	29	--	--	63	3
Delaware	38	--	--	--	--	--	--	--	--	38	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2	1	331.0%	--	--	2	*	--	--	*	1
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	22	29	-23.0%	--	--	--	29	--	--	22	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	3	2	30.0%	--	--	--	--	--	--	3	2
East South Central	8	9	-8.0%	--	*	--	--	--	--	8	9
Alabama	7	5	36.0%	--	--	--	--	--	--	7	5
Kentucky	--	*	-100.0%	--	*	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	1	4	-64.0%	--	--	--	--	--	--	1	4
West South Central	395	457	-14.0%	--	--	169	192	--	--	226	265
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	96	149	-36.0%	--	--	22	21	--	--	74	128
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	299	308	-3.1%	--	--	147	171	--	--	152	137
Mountain	24	24	0.1%	--	--	1	1	--	--	24	24
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	NM	NM	NM	--	--	*	*	--	--	NM	NM
Nevada	1	1	-6.5%	--	--	1	1	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	NM	NM	NM	--	--	--	--	--	--	NM	NM
Wyoming	21	20	3.5%	--	--	--	--	--	--	21	20
Pacific Contiguous	176	171	3.1%	NM	NM	35	25	--	--	140	145
California	141	146	-3.3%	NM	NM	--	NM	--	--	140	145
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	35	25	41.0%	--	--	35	25	--	--	--	--
Pacific Noncontiguous	NM	NM	NM	--	--	--	--	--	--	NM	NM
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	NM	NM	--	--	--	--	--	--	NM	NM
U.S. Total	1,036	1,059	-2.2%	29	NM	245	294	NM	NM	762	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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	1	1	-3.9%	--	--	1	1	--	--	--	--
Connecticut	1	1	-3.9%	--	--	1	1	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	504	427	18.0%	--	--	59	32	5	NM	440	393
New Jersey	84	74	14.0%	--	--	--	--	5	NM	80	72
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	419	353	19.0%	--	--	59	32	--	--	360	321
East North Central	2,416	1,609	50.0%	553	*	219	221	--	--	1,645	1,388
Illinois	70	56	26.0%	--	--	3	*	--	--	67	55
Indiana	2,013	1,255	60.0%	553	--	--	--	--	--	1,460	1,255
Michigan	185	159	16.0%	--	--	185	159	--	--	--	--
Ohio	148	139	6.4%	*	*	31	62	--	--	117	77
Wisconsin	--	*	-100.0%	--	*	--	--	--	--	--	--
West North Central	32	27	20.0%	8	3	--	--	--	--	24	24
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	8	3	154.0%	8	3	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	24	24	2.2%	--	--	--	--	--	--	24	24
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	328	89	269.0%	--	--	61	49	--	--	267	40
Delaware	162	18	807.0%	--	--	--	--	--	--	162	18
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	14	4	267.0%	--	--	9	*	--	--	5	4
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	134	49	172.0%	--	--	52	49	--	--	83	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	18	18	0.4%	--	--	--	--	--	--	18	18
East South Central	120	70	72.0%	1	1	--	--	--	--	119	69
Alabama	110	58	92.0%	--	--	--	--	--	--	110	58
Kentucky	1	1	-11.0%	1	1	--	--	--	--	--	--
Mississippi	--	*	-100.0%	--	--	--	--	--	--	--	*
Tennessee	8	11	-21.0%	--	--	--	--	--	--	8	11
West South Central	2,592	2,905	-11.0%	--	--	1,147	1,291	--	--	1,446	1,614
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	708	829	-15.0%	--	--	158	144	--	--	550	684
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	1,884	2,076	-9.2%	--	--	988	1,147	--	--	896	929
Mountain	194	199	-2.4%	--	--	4	4	--	--	190	195
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	NM	NM	NM	--	--	*	*	--	--	NM	NM
Nevada	4	4	-5.7%	--	--	4	4	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	18	20	-9.3%	--	--	--	--	--	--	18	20
Wyoming	170	173	-2.0%	--	--	--	--	--	--	170	173
Pacific Contiguous	1,235	1,096	13.0%	NM	18	235	160	--	--	994	918
California	1,000	936	6.8%	NM	18	NM	NM	--	--	994	918
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	235	159	47.0%	--	--	235	159	--	--	--	--
Pacific Noncontiguous	NM	12	NM	--	--	--	--	--	--	NM	12
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	12	NM	--	--	--	--	--	--	NM	12
U.S. Total	7,431	6,434	15.0%	568	22	1,725	1,758	5	NM	5,133	4,652

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	3,226	3,420	-5.7%	--	--	3,226	3,420	--	--	--	--
Connecticut	1,528	1,556	-1.8%	--	--	1,528	1,556	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	492	498	-1.2%	--	--	492	498	--	--	--	--
New Hampshire	782	928	-16.0%	--	--	782	928	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	424	439	-3.3%	--	--	424	439	--	--	--	--
Middle Atlantic	13,152	13,481	-2.4%	--	--	13,152	13,481	--	--	--	--
New Jersey	2,943	2,812	4.7%	--	--	2,943	2,812	--	--	--	--
New York	3,672	3,825	-4.0%	--	--	3,672	3,825	--	--	--	--
Pennsylvania	6,538	6,843	-4.5%	--	--	6,538	6,843	--	--	--	--
East North Central	12,947	14,200	-8.8%	1,566	2,352	11,381	11,847	--	--	--	--
Illinois	8,175	8,419	-2.9%	--	--	8,175	8,419	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	1,946	2,940	-34.0%	1,566	2,352	380	588	--	--	--	--
Ohio	1,586	1,588	-0.2%	--	--	1,586	1,588	--	--	--	--
Wisconsin	1,241	1,252	-0.9%	--	--	1,241	1,252	--	--	--	--
West North Central	3,907	3,835	1.9%	3,467	3,391	440	443	--	--	--	--
Iowa	440	443	-0.8%	--	--	440	443	--	--	--	--
Kansas	837	774	8.2%	837	774	--	--	--	--	--	--
Minnesota	1,181	1,164	1.5%	1,181	1,164	--	--	--	--	--	--
Missouri	888	885	0.3%	888	885	--	--	--	--	--	--
Nebraska	561	568	-1.2%	561	568	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	16,925	17,761	-4.7%	15,754	16,513	1,170	1,248	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,543	2,329	-34.0%	1,543	2,329	--	--	--	--	--	--
Georgia	3,009	2,964	1.5%	3,009	2,964	--	--	--	--	--	--
Maryland	1,170	1,248	-6.2%	--	--	1,170	1,248	--	--	--	--
North Carolina	3,770	3,746	0.6%	3,770	3,746	--	--	--	--	--	--
South Carolina	4,786	4,852	-1.4%	4,786	4,852	--	--	--	--	--	--
Virginia	2,647	2,623	0.9%	2,647	2,623	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	6,990	6,936	0.8%	6,990	6,936	--	--	--	--	--	--
Alabama	3,605	3,652	-1.3%	3,605	3,652	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	900	878	2.4%	900	878	--	--	--	--	--	--
Tennessee	2,485	2,406	3.3%	2,485	2,406	--	--	--	--	--	--
West South Central	6,705	6,408	4.6%	2,944	2,947	3,761	3,461	--	--	--	--
Arkansas	1,357	1,360	-0.2%	1,357	1,360	--	--	--	--	--	--
Louisiana	1,587	1,587	0.0%	1,587	1,587	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	3,761	3,461	8.7%	--	--	3,761	3,461	--	--	--	--
Mountain	2,831	2,934	-3.5%	2,831	2,934	--	--	--	--	--	--
Arizona	2,831	2,934	-3.5%	2,831	2,934	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	2,447	3,371	-27.0%	2,447	3,371	--	--	--	--	--	--
California	1,674	3,371	-50.0%	1,674	3,371	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	773	--	--	773	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	69,129	72,345	-4.4%	35,999	38,444	33,130	33,901	--	--	--	--

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	22,115	20,596	7.4%	--	--	22,115	20,596	--	--	--	--
Connecticut	10,691	9,986	7.1%	--	--	10,691	9,986	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	3,381	2,805	21.0%	--	--	3,381	2,805	--	--	--	--
New Hampshire	5,229	4,674	12.0%	--	--	5,229	4,674	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	2,814	3,131	-10.0%	--	--	2,814	3,131	--	--	--	--
Middle Atlantic	87,637	86,030	1.9%	--	--	87,637	86,030	--	--	--	--
New Jersey	19,962	19,523	2.2%	--	--	19,962	19,523	--	--	--	--
New York	23,489	24,040	-2.3%	--	--	23,489	24,040	--	--	--	--
Pennsylvania	44,186	42,467	4.0%	--	--	44,186	42,467	--	--	--	--
East North Central	89,876	89,901	0.0%	13,508	15,578	76,367	74,323	--	--	--	--
Illinois	56,073	55,000	2.0%	--	--	56,073	55,000	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	16,161	19,549	-17.0%	13,508	15,578	2,652	3,971	--	--	--	--
Ohio	9,270	9,002	3.0%	--	--	9,270	9,002	--	--	--	--
Wisconsin	8,371	6,350	32.0%	--	--	8,371	6,350	--	--	--	--
West North Central	24,226	22,780	6.3%	21,128	19,685	3,098	3,095	--	--	--	--
Iowa	3,098	3,095	0.1%	--	--	3,098	3,095	--	--	--	--
Kansas	3,879	2,928	32.0%	3,879	2,928	--	--	--	--	--	--
Minnesota	7,078	6,527	8.4%	7,078	6,527	--	--	--	--	--	--
Missouri	6,226	6,181	0.7%	6,226	6,181	--	--	--	--	--	--
Nebraska	3,945	4,049	-2.6%	3,945	4,049	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	107,183	108,105	-0.9%	99,778	99,965	7,405	8,140	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	10,407	12,069	-14.0%	10,407	12,069	--	--	--	--	--	--
Georgia	19,831	18,650	6.3%	19,831	18,650	--	--	--	--	--	--
Maryland	7,405	8,140	-9.0%	--	--	7,405	8,140	--	--	--	--
North Carolina	23,296	23,364	-0.3%	23,296	23,364	--	--	--	--	--	--
South Carolina	29,840	29,540	1.0%	29,840	29,540	--	--	--	--	--	--
Virginia	16,405	16,343	0.4%	16,405	16,343	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	42,445	42,606	-0.4%	42,445	42,606	--	--	--	--	--	--
Alabama	23,559	21,825	7.9%	23,559	21,825	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	2,580	6,073	-58.0%	2,580	6,073	--	--	--	--	--	--
Tennessee	16,306	14,708	11.0%	16,306	14,708	--	--	--	--	--	--
West South Central	41,860	40,651	3.0%	19,610	17,074	22,250	23,577	--	--	--	--
Arkansas	9,429	8,241	14.0%	9,429	8,241	--	--	--	--	--	--
Louisiana	10,182	8,833	15.0%	10,182	8,833	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	22,250	23,577	-5.6%	--	--	22,250	23,577	--	--	--	--
Mountain	18,968	18,832	0.7%	18,968	18,832	--	--	--	--	--	--
Arizona	18,968	18,832	0.7%	18,968	18,832	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	15,875	22,871	-31.0%	15,875	22,871	--	--	--	--	--	--
California	10,645	20,465	-48.0%	10,645	20,465	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	5,230	2,406	117.0%	5,230	2,406	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	450,184	452,373	-0.5%	231,312	236,611	218,872	215,762	--	--	--	--

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	451	527	-14.0%	52	65	347	416	NM	NM	51	46
Connecticut	NM	NM	NM	NM	NM	NM	NM	--	--	--	--
Maine	244	266	-8.5%	--	--	195	223	--	--	49	43
Massachusetts	46	62	-26.0%	NM	NM	32	43	NM	NM	NM	NM
New Hampshire	68	73	-6.6%	14	15	54	57	--	--	NM	NM
Rhode Island	NM	NM	NM	--	--	NM	NM	--	--	--	--
Vermont	72	98	-26.0%	NM	NM	48	66	--	--	NM	NM
Middle Atlantic	1,882	2,430	-23.0%	1,586	2,012	293	414	NM	NM	NM	NM
New Jersey	NM	1	NM	--	--	NM	NM	--	--	--	--
New York	1,800	2,311	-22.0%	1,562	1,974	236	333	NM	NM	NM	NM
Pennsylvania	81	118	-32.0%	24	38	57	80	--	--	--	--
East North Central	520	560	-7.2%	475	513	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	--	--	--	--
Indiana	40	52	-23.0%	40	52	--	--	--	--	--	--
Michigan	169	179	-5.6%	156	165	NM	NM	--	--	NM	NM
Ohio	33	45	-26.0%	33	45	--	--	--	--	--	--
Wisconsin	271	275	-1.1%	244	247	NM	NM	NM	NM	NM	NM
West North Central	1,293	1,479	-13.0%	1,252	1,440	NM	NM	--	--	NM	NM
Iowa	111	105	6.3%	110	104	NM	NM	--	--	--	--
Kansas	NM	NM	NM	--	--	NM	NM	--	--	--	--
Minnesota	108	109	-0.5%	NM	72	NM	NM	--	--	NM	NM
Missouri	29	90	-67.0%	29	90	--	--	--	--	--	--
Nebraska	171	176	-2.5%	171	176	--	--	--	--	--	--
North Dakota	229	207	10.0%	229	207	--	--	--	--	--	--
South Dakota	643	791	-19.0%	643	791	--	--	--	--	--	--
South Atlantic	714	888	-20.0%	621	770	69	91	NM	NM	24	25
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	NM	NM	NM	NM	--	--	--	--	--	--
Georgia	187	223	-16.0%	185	221	NM	NM	--	--	NM	NM
Maryland	41	60	-32.0%	--	--	41	60	--	--	--	--
North Carolina	223	276	-19.0%	221	272	NM	NM	NM	NM	*	*
South Carolina	111	153	-27.0%	108	149	NM	NM	*	*	--	--
Virginia	75	85	-12.0%	71	80	NM	NM	--	--	NM	NM
West Virginia	68	78	-13.0%	NM	NM	19	19	--	--	22	23
East South Central	921	1,279	-28.0%	920	1,278	NM	NM	--	--	--	--
Alabama	360	471	-24.0%	360	471	--	--	--	--	--	--
Kentucky	108	202	-47.0%	107	201	NM	NM	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	453	606	-25.0%	453	606	--	--	--	--	--	--
West South Central	250	592	-58.0%	225	461	25	131	--	--	--	--
Arkansas	110	294	-63.0%	107	290	NM	NM	--	--	--	--
Louisiana	20	124	-84.0%	--	--	20	124	--	--	--	--
Oklahoma	71	96	-27.0%	71	96	--	--	--	--	--	--
Texas	50	77	-36.0%	47	74	NM	NM	--	--	--	--
Mountain	4,064	4,750	-14.0%	3,513	4,197	550	553	--	--	--	--
Arizona	651	1,037	-37.0%	651	1,037	--	--	--	--	--	--
Colorado	226	255	-11.0%	205	231	NM	NM	--	--	--	--
Idaho	1,286	1,502	-14.0%	1,177	1,377	109	125	--	--	--	--
Montana	1,389	1,400	-0.8%	976	1,003	413	397	--	--	--	--
Nevada	252	242	4.4%	248	237	NM	NM	--	--	--	--
New Mexico	NM	NM	NM	NM	NM	--	--	--	--	--	--
Utah	NM	110	NM	NM	109	NM	NM	--	--	--	--
Wyoming	128	170	-25.0%	127	169	NM	NM	--	--	--	--
Pacific Contiguous	16,847	18,922	-11.0%	16,600	18,622	245	290	NM	9	NM	NM
California	3,190	4,962	-36.0%	3,002	4,726	186	234	NM	NM	--	--
Oregon	3,862	4,016	-3.8%	3,832	3,985	NM	NM	--	--	--	--
Washington	9,795	9,943	-1.5%	9,766	9,911	NM	NM	--	7	NM	NM
Pacific Noncontiguous	140	144	-2.6%	132	138	3	1	--	--	NM	NM
Alaska	130	135	-4.3%	130	135	--	--	--	--	--	--
Hawaii	NM	NM	NM	NM	NM	3	1	--	--	NM	NM
U.S. Total	27,082	31,570	-14.0%	25,376	29,495	1,585	1,947	NM	11	118	118

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	4,525	4,965	-8.9%	613	652	3,475	3,892	NM	NM	433	419
Connecticut	216	241	-10.0%	NM	NM	198	221	--	--	--	--
Maine	2,135	2,276	-6.2%	--	--	1,721	1,879	--	--	414	397
Massachusetts	584	620	-5.8%	131	146	448	468	NM	NM	NM	NM
New Hampshire	840	996	-16.0%	210	218	627	775	--	--	NM	NM
Rhode Island	NM	NM	NM	--	--	NM	NM	--	--	--	--
Vermont	748	830	-9.8%	254	268	480	546	--	--	NM	NM
Middle Atlantic	17,032	17,531	-2.8%	13,783	13,879	3,215	3,615	NM	NM	NM	NM
New Jersey	12	13	-12.0%	--	--	NM	NM	--	--	--	--
New York	15,606	15,760	-1.0%	13,083	12,888	2,490	2,834	NM	NM	NM	NM
Pennsylvania	1,415	1,759	-20.0%	701	991	714	767	--	--	--	--
East North Central	3,262	3,492	-6.6%	2,959	3,154	176	199	NM	NM	126	138
Illinois	67	80	-15.0%	NM	NM	43	53	--	--	--	--
Indiana	256	211	21.0%	256	211	--	--	--	--	--	--
Michigan	1,039	1,140	-8.9%	952	1,043	66	74	--	--	NM	NM
Ohio	225	228	-1.1%	225	228	--	--	--	--	--	--
Wisconsin	1,674	1,833	-8.7%	1,502	1,645	66	73	NM	NM	105	115
West North Central	7,969	8,758	-9.0%	7,700	8,484	172	165	--	--	96	109
Iowa	698	772	-9.6%	692	765	NM	NM	--	--	--	--
Kansas	NM	NM	NM	--	--	NM	NM	--	--	--	--
Minnesota	681	728	-6.4%	427	470	158	149	--	--	96	109
Missouri	629	971	-35.0%	629	971	--	--	--	--	--	--
Nebraska	1,055	1,158	-9.0%	1,055	1,158	--	--	--	--	--	--
North Dakota	1,531	1,483	3.2%	1,531	1,483	--	--	--	--	--	--
South Dakota	3,367	3,637	-7.4%	3,367	3,637	--	--	--	--	--	--
South Atlantic	7,796	8,852	-12.0%	5,868	6,658	1,498	1,775	NM	NM	425	411
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	99	110	-10.0%	99	110	--	--	--	--	--	--
Georgia	1,581	1,875	-16.0%	1,561	1,854	NM	NM	--	--	NM	NM
Maryland	1,142	1,422	-20.0%	--	--	1,142	1,422	--	--	--	--
North Carolina	2,327	2,495	-6.7%	2,300	2,465	NM	NM	NM	NM	NM	NM
South Carolina	1,058	1,256	-16.0%	1,024	1,217	NM	NM	NM	NM	--	--
Virginia	662	766	-14.0%	620	719	NM	NM	--	--	NM	NM
West Virginia	926	929	-0.3%	264	293	259	249	--	--	404	388
East South Central	10,735	13,332	-19.0%	10,730	13,327	NM	NM	--	--	--	--
Alabama	4,737	5,885	-20.0%	4,737	5,885	--	--	--	--	--	--
Kentucky	1,418	1,914	-26.0%	1,413	1,909	NM	NM	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	4,580	5,534	-17.0%	4,580	5,534	--	--	--	--	--	--
West South Central	4,209	4,556	-7.6%	3,578	3,830	631	727	--	--	--	--
Arkansas	1,813	1,770	2.4%	1,782	1,735	NM	NM	--	--	--	--
Louisiana	575	665	-13.0%	--	--	575	665	--	--	--	--
Oklahoma	1,201	1,430	-16.0%	1,201	1,430	--	--	--	--	--	--
Texas	619	691	-10.0%	595	665	NM	NM	--	--	--	--
Mountain	23,898	27,283	-12.0%	20,531	23,727	3,366	3,556	--	--	--	--
Arizona	4,469	5,613	-20.0%	4,469	5,613	--	--	--	--	--	--
Colorado	1,318	1,545	-15.0%	1,190	1,405	128	140	--	--	--	--
Idaho	7,701	8,699	-11.0%	7,058	8,031	643	668	--	--	--	--
Montana	7,401	8,238	-10.0%	4,852	5,540	2,549	2,697	--	--	--	--
Nevada	1,606	1,452	11.0%	1,575	1,418	NM	NM	--	--	--	--
New Mexico	189	206	-8.3%	189	206	--	--	--	--	--	--
Utah	605	661	-8.4%	598	653	NM	NM	--	--	--	--
Wyoming	610	870	-30.0%	602	861	NM	NM	--	--	--	--
Pacific Contiguous	100,448	121,284	-17.0%	99,239	119,541	1,201	1,684	NM	57	NM	NM
California	15,700	29,213	-46.0%	14,882	27,901	812	1,305	NM	NM	NM	--
Oregon	26,198	29,090	-9.9%	25,998	28,875	199	215	--	--	--	--
Washington	58,550	62,980	-7.0%	58,359	62,765	190	164	--	49	NM	NM
Pacific Noncontiguous	1,054	1,075	-2.0%	998	1,022	19	13	--	--	NM	NM
Alaska	985	1,007	-2.2%	985	1,007	--	--	--	--	--	--
Hawaii	69	68	2.1%	NM	NM	19	13	--	--	NM	NM
U.S. Total	180,928	211,129	-14.0%	166,001	194,273	13,758	15,630	NM	72	1,153	1,154

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	750	706	6.2%	48	60	500	494	10	10	192	142
Connecticut	62	68	-7.8%	--	--	62	68	--	--	--	--
Maine	411	344	19.0%	--	--	210	193	10	10	192	142
Massachusetts	114	118	-3.5%	NM	NM	107	116	NM	NM	--	--
New Hampshire	109	118	-7.0%	21	32	88	85	--	--	NM	--
Rhode Island	11	13	-8.9%	--	--	11	13	--	--	--	--
Vermont	42	46	-9.3%	21	26	21	20	--	--	--	--
Middle Atlantic	732	755	-3.0%	NM	NM	630	651	37	36	60	64
New Jersey	106	92	16.0%	NM	NM	84	74	16	15	NM	--
New York	313	343	-8.9%	--	--	282	315	10	10	21	19
Pennsylvania	313	320	-1.9%	--	--	264	263	11	11	39	46
East North Central	1,052	948	11.0%	91	71	802	700	26	23	133	154
Illinois	366	331	10.0%	NM	NM	365	331	*	NM	--	--
Indiana	139	110	26.0%	23	25	113	82	NM	NM	NM	NM
Michigan	253	256	-1.2%	--	--	180	176	23	17	50	63
Ohio	104	76	37.0%	NM	NM	71	41	--	--	33	34
Wisconsin	190	175	9.0%	66	45	74	71	NM	4	49	55
West North Central	2,155	1,757	23.0%	671	522	1,436	1,183	NM	5	42	47
Iowa	657	502	31.0%	340	237	313	261	NM	2	1	2
Kansas	354	243	46.0%	78	68	276	175	--	--	--	--
Minnesota	530	463	14.0%	120	100	368	319	NM	NM	40	44
Missouri	71	64	11.0%	NM	4	67	60	--	--	NM	NM
Nebraska	87	69	25.0%	18	21	68	48	NM	NM	--	--
North Dakota	272	268	1.4%	64	59	207	208	--	--	NM	NM
South Dakota	183	147	25.0%	46	35	137	112	--	--	--	--
South Atlantic	1,419	1,414	0.4%	104	98	507	502	27	26	782	789
Delaware	14	NM	NM	NM	--	13	NM	NM	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	406	422	-3.7%	25	14	213	244	NM	3	165	161
Georgia	288	276	4.6%	--	--	13	13	NM	NM	273	261
Maryland	71	70	1.9%	NM	NM	53	49	NM	4	13	17
North Carolina	185	192	-3.7%	NM	NM	75	76	--	--	110	112
South Carolina	173	189	-8.9%	42	35	NM	NM	--	--	129	152
Virginia	197	205	-3.8%	35	44	52	58	18	16	93	86
West Virginia	85	45	90.0%	--	*	85	45	--	--	--	--
East South Central	507	529	-4.0%	8	9	21	26	--	--	479	494
Alabama	255	273	-6.4%	NM	NM	17	23	--	--	238	250
Kentucky	38	38	-0.8%	8	8	--	--	--	--	30	29
Mississippi	124	134	-7.4%	*	*	--	--	--	--	124	133
Tennessee	91	85	7.6%	--	--	3	3	--	--	88	82
West South Central	3,179	2,917	9.0%	148	48	2,620	2,393	NM	4	407	473
Arkansas	139	150	-7.6%	--	--	4	5	NM	NM	134	145
Louisiana	166	217	-23.0%	--	--	7	7	--	--	159	209
Oklahoma	597	358	67.0%	119	48	451	281	--	--	27	29
Texas	2,278	2,193	3.9%	30	NM	2,158	2,099	NM	3	87	90
Mountain	1,423	1,209	18.0%	122	133	1,260	1,037	9	NM	34	38
Arizona	130	34	286.0%	NM	NM	114	29	NM	NM	--	--
Colorado	356	292	22.0%	4	NM	348	287	NM	NM	NM	NM
Idaho	147	135	9.0%	--	--	114	98	--	--	33	37
Montana	71	74	-4.2%	NM	NM	67	70	--	--	--	--
Nevada	298	243	23.0%	--	--	294	243	4	--	NM	NM
New Mexico	158	131	20.0%	--	--	157	131	NM	--	--	--
Utah	83	81	2.1%	21	21	62	60	--	--	--	--
Wyoming	181	218	-17.0%	77	100	104	118	--	--	--	--
Pacific Contiguous	4,097	3,789	8.1%	563	457	3,277	3,120	84	39	173	172
California	2,774	2,624	5.7%	170	145	2,463	2,382	82	37	59	60
Oregon	745	504	48.0%	165	72	552	404	NM	2	25	26
Washington	579	661	-12.0%	228	241	262	334	--	--	89	86
Pacific Noncontiguous	88	71	24.0%	NM	NM	63	43	13	15	9	10
Alaska	NM	NM	NM	NM	NM	--	--	--	--	NM	NM
Hawaii	86	69	24.0%	2	2	63	43	13	15	9	9
U.S. Total	15,403	14,094	9.3%	1,763	1,403	11,115	10,150	216	159	2,310	2,382

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	4,899	4,526	8.2%	358	290	3,456	3,224	95	65	990	946
Connecticut	448	427	4.9%	--	--	448	427	--	--	--	--
Maine	2,478	2,319	6.8%	--	--	1,421	1,310	66	63	990	946
Massachusetts	820	762	7.7%	45	NM	746	745	29	NM	--	--
New Hampshire	771	684	13.0%	186	145	585	539	--	--	NM	--
Rhode Island	83	82	0.1%	--	--	83	82	--	--	--	--
Vermont	299	252	19.0%	127	131	173	121	--	--	--	--
Middle Atlantic	6,488	6,030	7.6%	29	NM	5,788	5,368	250	222	421	426
New Jersey	666	535	24.0%	29	NM	591	435	44	87	NM	--
New York	3,057	2,882	6.1%	--	--	2,827	2,679	84	66	146	138
Pennsylvania	2,765	2,613	5.8%	--	--	2,369	2,255	122	69	274	289
East North Central	11,840	9,821	21.0%	910	645	9,830	8,069	115	128	985	978
Illinois	5,062	4,001	26.0%	9	NM	5,053	3,995	NM	NM	--	*
Indiana	2,174	2,246	-3.2%	160	158	1,991	2,065	15	14	8	8
Michigan	1,818	1,674	8.6%	--	--	1,370	1,180	71	90	377	403
Ohio	1,017	429	137.0%	12	10	776	199	--	--	228	219
Wisconsin	1,770	1,471	20.0%	730	471	639	629	29	24	372	347
West North Central	23,244	19,554	19.0%	7,464	5,702	15,400	13,489	44	32	336	331
Iowa	8,364	6,303	33.0%	4,387	2,976	3,952	3,302	16	15	8	10
Kansas	2,726	2,237	22.0%	599	611	2,075	1,626	--	--	51	--
Minnesota	5,555	5,002	11.0%	1,133	1,012	4,136	3,668	17	11	268	312
Missouri	819	759	7.9%	26	25	791	732	--	--	NM	NM
Nebraska	782	639	22.0%	150	168	622	464	10	7	--	--
North Dakota	3,230	2,998	7.7%	759	632	2,466	2,359	--	--	6	7
South Dakota	1,767	1,616	9.4%	409	278	1,358	1,338	--	--	--	--
South Atlantic	9,778	9,511	2.8%	630	620	3,805	3,532	175	171	5,168	5,188
Delaware	79	85	-7.2%	NM	--	74	85	NM	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,738	2,710	1.1%	136	97	1,458	1,510	41	22	1,104	1,081
Georgia	1,877	1,813	3.5%	--	*	81	81	12	12	1,784	1,720
Maryland	526	522	0.9%	NM	2	411	396	31	25	81	98
North Carolina	1,239	1,238	0.0%	NM	NM	512	488	--	--	722	743
South Carolina	1,225	1,229	-0.4%	289	251	13	13	--	--	923	965
Virginia	1,246	1,318	-5.5%	196	261	408	363	88	112	555	582
West Virginia	849	596	42.0%	--	*	849	596	--	--	--	--
East South Central	3,330	3,480	-4.3%	57	56	158	160	--	--	3,115	3,265
Alabama	1,685	1,781	-5.4%	NM	NM	116	114	--	--	1,568	1,666
Kentucky	199	263	-24.0%	56	55	--	--	--	--	143	208
Mississippi	836	849	-1.6%	*	*	--	--	--	--	836	849
Tennessee	610	587	3.9%	--	--	42	46	--	--	568	541
West South Central	26,982	25,295	6.7%	1,093	426	22,920	21,755	24	24	2,945	3,091
Arkansas	962	971	-0.9%	--	--	29	31	NM	NM	930	937
Louisiana	1,288	1,415	-8.9%	--	--	46	46	--	--	1,242	1,369
Oklahoma	4,689	3,358	40.0%	919	425	3,581	2,744	--	--	188	189
Texas	20,042	19,552	2.5%	174	NM	19,263	18,934	21	21	584	596
Mountain	13,045	11,453	14.0%	1,482	1,587	11,280	9,626	50	NM	233	229
Arizona	662	299	122.0%	83	25	575	271	NM	NM	--	--
Colorado	3,527	2,702	31.0%	44	48	3,455	2,641	24	NM	NM	NM
Idaho	1,398	1,124	24.0%	--	--	1,169	899	--	--	229	225
Montana	757	708	7.0%	49	46	708	662	--	--	--	--
Nevada	1,888	1,762	7.1%	--	--	1,868	1,761	19	--	1	1
New Mexico	1,514	1,442	5.0%	--	--	1,511	1,442	NM	--	--	--
Utah	657	553	19.0%	155	161	502	392	--	--	--	--
Wyoming	2,642	2,864	-7.7%	1,151	1,306	1,492	1,557	--	--	--	--
Pacific Contiguous	27,908	25,436	9.7%	4,419	3,418	21,699	20,563	593	248	1,197	1,207
California	18,414	17,150	7.4%	1,151	1,028	16,295	15,492	580	235	388	394
Oregon	4,301	3,368	28.0%	938	422	3,166	2,718	13	13	183	216
Washington	5,194	4,918	5.6%	2,330	1,969	2,238	2,353	--	--	626	597
Pacific Noncontiguous	553	516	7.2%	24	37	375	310	92	107	62	63
Alaska	14	13	8.7%	11	9	--	--	--	--	NM	3
Hawaii	540	503	7.2%	13	28	375	310	92	107	59	59
U.S. Total	128,067	115,623	11.0%	16,467	12,794	94,711	86,096	1,438	1,008	15,452	15,724

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	-41	-53	-22.0%	--	--	-41	-53	--	--	--	--
Connecticut	*	1	-43.0%	--	--	*	1	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-42	-54	-22.0%	--	--	-42	-54	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-90	-120	-25.0%	-42	-77	-48	-43	--	--	--	--
New Jersey	-24	-25	-3.9%	-24	-25	--	--	--	--	--	--
New York	-19	-53	-64.0%	-19	-53	--	--	--	--	--	--
Pennsylvania	-48	-43	11.0%	--	--	-48	-43	--	--	--	--
East North Central	-115	-121	-5.2%	-115	-121	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-115	-121	-5.2%	-115	-121	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	-22	-1	3E3%	-22	-1	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	-22	-1	3E3%	-22	-1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-368	-393	-6.2%	-368	-393	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-98	-85	15.0%	-98	-85	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-113	-144	-21.0%	-113	-144	--	--	--	--	--	--
Virginia	-157	-163	-3.6%	-157	-163	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	-85	-100.0%	--	-85	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	-85	-100.0%	--	-85	--	--	--	--	--	--
West South Central	-12	-15	-23.0%	-12	-15	--	--	--	--	--	--
Arkansas	1	4	-77.0%	1	4	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-12	-19	-35.0%	-12	-19	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-8	10	-182.0%	-8	10	--	--	--	--	--	--
Arizona	21	35	-41.0%	21	35	--	--	--	--	--	--
Colorado	-29	-25	18.0%	-29	-25	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	70	68	1.9%	70	68	--	--	--	--	--	--
California	63	67	-6.1%	63	67	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	6	1	515.0%	6	1	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-587	-709	-17.0%	-498	-613	-89	-96	--	--	--	--

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	-161	-254	-37.0%	--	--	-161	-254	--	--	--	--
Connecticut	1	-2	-133.0%	--	--	1	-2	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-161	-253	-36.0%	--	--	-161	-253	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-395	-374	5.6%	-141	-402	-254	27	--	--	--	--
New Jersey	-80	-120	-33.0%	-80	-120	--	--	--	--	--	--
New York	-61	-282	-79.0%	-61	-282	--	--	--	--	--	--
Pennsylvania	-254	27	-1E3%	--	--	-254	27	--	--	--	--
East North Central	-433	-578	-25.0%	-433	-578	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-433	-578	-25.0%	-433	-578	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	81	204	-60.0%	81	204	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	81	204	-60.0%	81	204	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-1,779	-1,748	1.8%	-1,779	-1,748	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-485	-300	62.0%	-485	-300	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-507	-544	-6.8%	-507	-544	--	--	--	--	--	--
Virginia	-788	-905	-13.0%	-788	-905	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	-144	-366	-61.0%	-144	-366	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-144	-366	-61.0%	-144	-366	--	--	--	--	--	--
West South Central	-26	-71	-63.0%	-26	-71	--	--	--	--	--	--
Arkansas	33	20	61.0%	33	20	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-59	-91	-36.0%	-59	-91	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-99	-90	11.0%	-99	-90	--	--	--	--	--	--
Arizona	53	57	-7.6%	53	57	--	--	--	--	--	--
Colorado	-152	-147	3.6%	-152	-147	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	472	92	411.0%	472	92	--	--	--	--	--	--
California	442	39	1E3%	442	39	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	30	53	-43.0%	30	53	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-2,484	-3,186	-22.0%	-2,069	-2,959	-415	-227	--	--	--	--

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	188	176	6.8%	--	--	176	164	8	9	4	3
Connecticut	70	66	6.9%	--	--	69	65	--	--	NM	NM
Maine	34	34	-1.0%	--	--	23	23	8	9	3	2
Massachusetts	77	70	11.0%	--	--	77	70	--	--	--	--
New Hampshire	6	6	7.4%	--	--	6	6	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	222	216	2.4%	--	--	191	187	30	29	--	--
New Jersey	49	52	-6.1%	--	--	36	40	13	12	--	--
New York	90	82	10.0%	--	--	82	73	8	9	--	--
Pennsylvania	82	82	0.2%	--	--	73	74	9	8	--	--
East North Central	78	70	11.0%	6	3	15	18	23	15	33	34
Illinois	--	3	-100.0%	--	--	--	NM	--	--	--	1
Indiana	32	30	3.9%	1	--	--	--	NM	NM	29	29
Michigan	38	31	23.0%	1	--	15	15	21	13	1	3
Ohio	1	*	2E3%	--	--	--	--	--	--	1	*
Wisconsin	7	5	30.0%	4	3	--	--	NM	NM	NM	2
West North Central	32	31	2.6%	19	20	10	9	NM	2	NM	NM
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	27	24	9.6%	13	12	10	9	NM	2	NM	NM
Missouri	2	4	-45.0%	2	4	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	4	3	8.3%	4	3	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	333	321	3.8%	--	--	191	174	16	14	126	134
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	250	250	0.0%	--	--	133	121	--	--	116	128
Georgia	5	1	452.0%	--	--	--	--	--	--	5	1
Maryland	27	25	11.0%	--	--	27	25	NM	--	--	--
North Carolina	NM	3	NM	--	--	4	3	--	--	--	--
South Carolina	5	5	2.2%	--	--	--	--	--	--	5	5
Virginia	42	39	10.0%	--	--	26	25	16	14	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	NM	1	NM	*	1	--	NM	NM	--	NM	NM
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	*	1	-20.0%	*	1	--	--	--	--	--	--
Mississippi	NM	NM	NM	--	--	--	NM	NM	--	NM	NM
Tennessee	*	*	22.0%	--	--	--	--	--	--	*	*
West South Central	72	76	-5.3%	--	--	--	--	--	--	72	76
Arkansas	2	3	-31.0%	--	--	--	--	--	--	2	3
Louisiana	29	31	-7.0%	--	--	--	--	--	--	29	31
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	41	42	-2.4%	--	--	--	--	--	--	41	42
Mountain	34	49	-32.0%	--	--	18	33	--	--	16	17
Arizona	3	2	8.7%	--	--	3	2	--	--	--	--
Colorado	7	7	-3.5%	--	--	3	2	--	--	4	5
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	12	28	-55.0%	--	--	12	28	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	12	13	-5.6%	--	--	NM	NM	--	--	12	12
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	72	71	2.1%	--	--	32	31	--	--	40	40
California	55	60	-8.3%	--	--	21	20	--	--	34	40
Oregon	4	4	-2.1%	--	--	4	4	--	--	--	--
Washington	13	6	102.0%	--	--	7	6	--	--	6	--
Pacific Noncontiguous	13	12	5.5%	--	--	--	--	13	12	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	13	12	5.5%	--	--	--	--	13	12	--	--
U.S. Total	1,044	1,024	1.9%	26	23	633	615	92	81	293	305

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	1,169	1,105	5.8%	--	--	1,073	1,028	72	55	23	22
Connecticut	437	393	11.0%	--	--	430	386	--	--	7	7
Maine	219	225	-2.6%	--	--	151	155	51	55	16	14
Massachusetts	476	452	5.3%	--	--	456	452	20	--	--	--
New Hampshire	36	35	3.4%	--	--	36	35	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	1,321	1,289	2.5%	--	--	1,139	1,112	182	177	--	--
New Jersey	293	293	0.1%	--	--	264	224	29	68	--	--
New York	521	503	3.6%	--	--	458	448	64	55	--	--
Pennsylvania	507	493	2.7%	--	--	418	440	89	53	--	--
East North Central	473	421	13.0%	70	27	140	117	67	83	196	194
Illinois	13	28	-54.0%	--	--	10	22	--	--	2	5
Indiana	203	161	26.0%	39	--	--	--	10	11	155	150
Michigan	214	194	10.0%	11	10	130	95	56	72	16	17
Ohio	7	6	7.7%	--	--	--	--	--	--	7	6
Wisconsin	37	32	16.0%	20	17	--	--	NM	NM	16	15
West North Central	197	197	0.0%	119	121	61	59	12	13	NM	5
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	163	160	2.0%	84	84	61	59	12	12	NM	5
Missouri	13	17	-24.0%	13	16	--	--	--	*	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	21	21	4.0%	21	21	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	2,040	2,086	-2.2%	*	--	1,158	1,132	85	92	797	862
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,553	1,632	-4.9%	--	--	800	811	15	--	738	821
Georgia	27	8	241.0%	--	--	--	--	--	--	27	8
Maryland	153	152	0.5%	--	--	153	152	NM	NM	--	--
North Carolina	18	18	0.3%	--	--	18	18	--	--	--	--
South Carolina	33	33	-2.0%	--	--	--	--	--	--	33	33
Virginia	257	242	6.3%	--	--	187	150	71	92	--	--
West Virginia	*	--	--	*	--	--	--	--	--	--	--
East South Central	9	15	-41.0%	4	8	--	NM	NM	--	4	6
Alabama	*	*	-99.0%	--	--	--	--	--	--	*	*
Kentucky	4	8	-49.0%	4	8	--	--	--	--	--	--
Mississippi	NM	6	NM	--	--	--	NM	NM	--	NM	4
Tennessee	NM	1	NM	--	--	--	--	--	--	NM	1
West South Central	446	474	-5.8%	--	--	--	--	--	--	446	474
Arkansas	19	19	4.9%	--	--	--	--	--	--	19	19
Louisiana	178	195	-9.0%	--	--	--	--	--	--	178	195
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	249	260	-4.1%	--	--	--	--	--	--	249	260
Mountain	280	334	-16.0%	--	--	195	211	--	--	85	123
Arizona	17	9	102.0%	--	--	17	9	--	--	--	--
Colorado	36	43	-18.0%	--	--	9	15	--	--	27	29
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	166	185	-10.0%	--	--	166	185	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	61	97	-37.0%	--	--	NM	NM	--	--	59	95
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	440	438	0.4%	--	--	175	188	9	--	256	250
California	356	372	-4.2%	--	--	109	122	9	--	239	250
Oregon	25	26	-4.2%	--	--	25	26	--	--	--	--
Washington	59	41	45.0%	--	--	42	41	--	--	17	--
Pacific Noncontiguous	75	84	-11.0%	--	--	--	--	75	84	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	75	84	-11.0%	--	--	--	--	75	84	--	--
U.S. Total	6,450	6,442	0.1%	192	155	3,942	3,848	502	504	1,814	1,934

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	76	46	65.0%	NM	NM	71	44	NM	NM	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	50	40	26.0%	--	--	50	40	--	--	--	--
Massachusetts	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
New Hampshire	16	NM	NM	--	--	16	NM	--	--	--	--
Rhode Island	NM	NM	NM	--	--	NM	NM	--	--	--	--
Vermont	4	1	473.0%	1	1	3	--	--	--	--	--
Middle Atlantic	242	241	0.7%	--	--	242	241	--	--	NM	--
New Jersey	NM	NM	NM	--	--	NM	NM	--	--	--	--
New York	127	147	-14.0%	--	--	126	147	--	--	NM	--
Pennsylvania	114	92	24.0%	--	--	114	92	--	--	--	--
East North Central	561	429	31.0%	41	27	519	401	NM	NM	NM	--
Illinois	303	263	15.0%	NM	NM	303	263	--	--	--	--
Indiana	113	82	38.0%	--	--	113	82	NM	NM	--	--
Michigan	33	14	138.0%	--	--	33	14	--	--	--	--
Ohio	43	12	245.0%	NM	NM	41	12	--	--	NM	--
Wisconsin	69	57	20.0%	39	26	29	31	--	--	--	--
West North Central	1,974	1,569	26.0%	622	477	1,351	1,092	NM	NM	--	--
Iowa	643	486	32.0%	337	233	305	253	NM	--	--	--
Kansas	354	243	46.0%	78	68	276	175	--	--	--	--
Minnesota	376	305	23.0%	82	66	293	238	NM	NM	--	--
Missouri	66	58	13.0%	--	--	66	58	--	--	--	--
Nebraska	81	63	29.0%	14	16	68	47	--	--	--	--
North Dakota	271	267	1.5%	64	59	207	208	--	--	--	--
South Dakota	183	147	25.0%	46	35	137	112	--	--	--	--
South Atlantic	103	58	78.0%	--	--	103	58	NM	--	--	--
Delaware	NM	NM	NM	--	--	--	NM	NM	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	18	13	37.0%	--	--	18	13	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	85	45	91.0%	--	--	85	45	--	--	--	--
East South Central	2	1	108.0%	--	--	2	1	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	2	1	108.0%	--	--	2	1	--	--	--	--
West South Central	2,675	2,388	12.0%	148	48	2,526	2,340	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	570	329	73.0%	119	48	451	281	--	--	--	--
Texas	2,105	2,059	2.2%	30	NM	2,075	2,059	--	--	--	--
Mountain	879	837	5.0%	85	108	791	729	NM	NM	NM	NM
Arizona	14	13	6.7%	--	--	14	13	--	--	--	--
Colorado	333	276	21.0%	4	NM	327	272	NM	NM	NM	NM
Idaho	99	82	20.0%	--	--	99	82	--	--	--	--
Montana	57	74	-23.0%	NM	NM	53	70	--	--	--	--
Nevada	14	--	--	--	--	14	--	--	--	--	--
New Mexico	124	118	5.2%	--	--	124	118	NM	--	--	--
Utah	56	55	2.5%	--	--	56	55	--	--	--	--
Wyoming	181	218	-17.0%	77	100	104	118	--	--	--	--
Pacific Contiguous	2,101	1,785	18.0%	418	293	1,683	1,492	--	--	--	--
California	953	831	15.0%	50	44	903	787	--	--	--	--
Oregon	687	447	54.0%	159	65	528	381	--	--	--	--
Washington	461	507	-9.1%	209	184	252	323	--	--	--	--
Pacific Noncontiguous	40	28	41.0%	NM	NM	39	27	--	--	--	--
Alaska	NM	NM	NM	NM	NM	--	--	--	--	--	--
Hawaii	39	27	42.0%	--	--	39	27	--	--	--	--
U.S. Total	8,652	7,382	17.0%	1,319	956	7,327	6,424	NM	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.

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

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

**Table 1.17.B. Net Generation from Wind by State, by Sector, Year-to-Date through July 2012 and 2011  
(Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	708	465	52.0%	44	17	661	446	NM	NM	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	500	392	28.0%	--	--	500	392	--	--	--	--
Massachusetts	52	17	209.0%	36	11	13	NM	NM	NM	--	--
New Hampshire	95	48	100.0%	--	--	95	48	--	--	--	--
Rhode Island	NM	NM	NM	--	--	NM	NM	--	--	--	--
Vermont	58	6	839.0%	7	6	51	--	--	--	--	--
Middle Atlantic	3,147	2,835	11.0%	--	--	3,142	2,835	--	--	NM	--
New Jersey	11	9	15.0%	--	--	11	9	--	--	--	--
New York	1,817	1,652	9.9%	--	--	1,811	1,652	--	--	NM	--
Pennsylvania	1,320	1,173	13.0%	--	--	1,320	1,173	--	--	--	--
East North Central	8,618	6,585	31.0%	599	351	8,009	6,232	NM	NM	NM	--
Illinois	4,642	3,566	30.0%	9	NM	4,634	3,560	--	--	--	--
Indiana	1,993	2,067	-3.6%	--	--	1,991	2,065	NM	NM	--	--
Michigan	429	222	93.0%	--	--	429	222	--	--	--	--
Ohio	597	24	2E3%	10	9	579	15	--	--	NM	--
Wisconsin	956	706	35.0%	580	336	376	370	--	--	--	--
West North Central	22,040	18,301	20.0%	7,163	5,392	14,810	12,902	16	NM	51	--
Iowa	8,265	6,203	33.0%	4,365	2,954	3,899	3,249	NM	--	--	--
Kansas	2,726	2,237	22.0%	599	611	2,075	1,626	--	--	51	--
Minnesota	4,538	3,936	15.0%	912	780	3,611	3,148	15	NM	--	--
Missouri	778	719	8.2%	--	--	778	719	--	--	--	--
Nebraska	741	598	24.0%	119	137	622	461	--	--	--	--
North Dakota	3,225	2,991	7.8%	759	632	2,466	2,359	--	--	--	--
South Dakota	1,767	1,616	9.4%	409	278	1,358	1,338	--	--	--	--
South Atlantic	1,047	774	35.0%	--	--	1,043	774	NM	--	--	--
Delaware	NM	NM	NM	--	--	--	NM	NM	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	194	175	11.0%	--	--	194	175	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	849	596	42.0%	--	--	849	596	--	--	--	--
East South Central	28	31	-8.1%	--	--	28	31	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	28	31	-8.1%	--	--	28	31	--	--	--	--
West South Central	23,561	21,843	7.9%	1,093	426	22,467	21,418	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	4,501	3,169	42.0%	919	425	3,581	2,744	--	--	--	--
Texas	19,060	18,675	2.1%	174	NM	18,886	18,674	--	--	--	--
Mountain	9,841	8,910	10.0%	1,243	1,399	8,576	7,501	18	NM	NM	NM
Arizona	175	186	-5.6%	--	--	175	186	--	--	--	--
Colorado	3,403	2,618	30.0%	43	47	3,340	2,561	16	NM	NM	NM
Idaho	1,062	795	34.0%	--	--	1,062	795	--	--	--	--
Montana	729	708	3.0%	49	46	680	662	--	--	--	--
Nevada	14	--	--	--	--	14	--	--	--	--	--
New Mexico	1,351	1,383	-2.3%	--	--	1,349	1,383	NM	--	--	--
Utah	464	357	30.0%	--	--	464	357	--	--	--	--
Wyoming	2,642	2,864	-7.7%	1,151	1,306	1,492	1,557	--	--	--	--
Pacific Contiguous	14,649	12,147	21.0%	3,467	2,390	11,182	9,757	--	--	--	--
California	6,398	5,265	22.0%	412	360	5,986	4,905	--	--	--	--
Oregon	3,925	2,950	33.0%	897	382	3,028	2,568	--	--	--	--
Washington	4,327	3,932	10.0%	2,158	1,648	2,168	2,284	--	--	--	--
Pacific Noncontiguous	230	185	25.0%	11	9	219	175	--	--	--	--
Alaska	11	9	14.0%	11	9	--	--	--	--	--	--
Hawaii	219	175	25.0%	--	--	219	175	--	--	--	--
U.S. Total	83,868	72,076	16.0%	13,621	9,984	70,137	62,071	42	18	68	NM

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

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	670	659	1.7%	41	58	427	449	10	10	192	142
Connecticut	NM	NM	NM	--	--	NM	NM	--	--	--	--
Maine	361	305	18.0%	--	--	160	153	10	10	192	142
Massachusetts	105	115	-8.9%	--	--	105	115	NM	NM	--	--
New Hampshire	93	114	-18.0%	21	32	72	81	--	--	NM	--
Rhode Island	11	12	-9.2%	--	--	11	12	--	--	--	--
Vermont	NM	45	NM	20	25	NM	20	--	--	--	--
Middle Atlantic	443	496	-11.0%	--	--	352	397	34	36	NM	NM
New Jersey	69	77	-10.0%	--	--	56	62	13	15	--	--
New York	180	196	-7.9%	--	--	151	167	10	10	20	19
Pennsylvania	194	223	-13.0%	--	--	145	168	11	11	NM	NM
East North Central	481	515	-6.7%	49	44	273	295	NM	NM	132	154
Illinois	57	66	-14.0%	--	--	57	66	*	NM	--	--
Indiana	26	28	-8.4%	23	25	--	--	NM	2	NM	NM
Michigan	220	242	-9.1%	--	--	147	163	NM	NM	NM	63
Ohio	57	61	-7.5%	--	--	NM	NM	--	--	NM	NM
Wisconsin	122	118	3.5%	27	19	NM	40	NM	NM	NM	55
West North Central	180	188	-3.8%	49	46	85	91	4	4	42	47
Iowa	14	16	-12.0%	NM	3	7	8	NM	2	1	2
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	154	158	-2.6%	38	34	75	81	NM	NM	NM	NM
Missouri	NM	6	NM	NM	4	NM	NM	--	--	NM	NM
Nebraska	6	6	-8.4%	NM	5	--	NM	NM	NM	--	--
North Dakota	NM	NM	NM	--	--	--	--	--	--	NM	NM
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	1,280	1,339	-4.4%	84	90	388	435	NM	NM	782	788
Delaware	11	13	-16.0%	--	--	11	13	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	381	410	-7.0%	7	8	207	239	NM	3	165	161
Georgia	288	276	4.6%	--	--	NM	NM	NM	NM	273	261
Maryland	49	56	-13.0%	NM	NM	32	35	NM	NM	13	17
North Carolina	181	190	-4.7%	--	3	71	75	--	--	110	112
South Carolina	173	189	-8.9%	42	35	NM	NM	--	--	129	152
Virginia	197	205	-3.8%	35	44	52	58	18	16	93	86
West Virginia	--	*	-100.0%	--	*	--	--	--	--	--	--
East South Central	506	528	-4.2%	8	9	NM	25	--	--	479	494
Alabama	NM	273	NM	NM	NM	17	23	--	--	NM	250
Kentucky	38	38	-0.8%	8	8	--	--	--	--	30	29
Mississippi	NM	NM	NM	*	*	--	--	--	--	NM	NM
Tennessee	NM	84	NM	--	--	NM	2	--	--	88	82
West South Central	489	527	-7.2%	--	--	78	50	NM	4	407	473
Arkansas	139	150	-7.6%	--	--	4	5	NM	NM	134	145
Louisiana	166	217	-23.0%	--	--	7	7	--	--	159	NM
Oklahoma	27	29	-6.5%	--	--	--	--	--	--	27	29
Texas	157	131	20.0%	--	--	67	38	NM	3	87	90
Mountain	67	74	-8.8%	NM	NM	32	34	NM	NM	NM	37
Arizona	NM	17	NM	NM	2	14	15	NM	NM	--	--
Colorado	NM	NM	NM	NM	NM	5	5	--	--	--	--
Idaho	NM	45	NM	--	--	NM	8	--	--	NM	37
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	NM	NM	NM	--	--	NM	NM	--	--	--	--
Utah	5	5	-8.2%	--	--	5	5	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	701	762	-8.1%	46	75	402	476	80	39	173	172
California	526	559	-6.0%	21	20	368	442	78	37	58	60
Oregon	57	57	-0.7%	6	6	24	23	NM	2	25	26
Washington	118	146	-19.0%	19	49	10	11	--	--	89	86
Pacific Noncontiguous	24	27	-11.0%	2	2	--	--	13	15	9	10
Alaska	NM	NM	NM	--	--	--	--	--	--	NM	NM
Hawaii	24	26	-11.0%	2	2	--	--	13	15	9	9
U.S. Total	4,842	5,115	-5.3%	282	326	2,057	2,253	NM	NM	2,306	2,380

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	4,175	4,055	3.0%	306	270	2,787	2,775	92	64	990	946
Connecticut	NM	NM	NM	--	--	NM	NM	--	--	--	--
Maine	1,977	1,927	2.6%	--	--	921	918	66	63	990	946
Massachusetts	754	740	1.9%	--	--	728	739	26	NM	--	--
New Hampshire	676	636	6.3%	186	145	490	491	--	--	NM	--
Rhode Island	80	80	-0.1%	--	--	80	80	--	--	--	--
Vermont	239	244	-2.1%	119	125	120	119	--	--	--	--
Middle Atlantic	3,113	3,131	-0.6%	--	--	2,466	2,487	238	221	409	NM
New Jersey	488	479	1.8%	--	--	454	392	34	87	--	--
New York	1,206	1,229	-1.8%	--	--	983	1,026	83	66	140	138
Pennsylvania	1,419	1,423	-0.3%	--	--	1,029	1,069	120	68	269	NM
East North Central	3,185	3,215	-0.9%	310	293	1,785	1,817	NM	NM	978	978
Illinois	406	427	-4.9%	--	--	406	427	NM	NM	--	*
Indiana	181	179	1.1%	160	158	--	--	13	12	8	8
Michigan	1,389	1,452	-4.3%	--	--	941	958	NM	NM	377	403
Ohio	396	392	0.9%	--	--	175	173	--	--	221	219
Wisconsin	814	765	6.4%	150	134	NM	NM	NM	NM	372	347
West North Central	1,201	1,253	-4.1%	301	310	589	587	28	25	284	331
Iowa	99	100	-0.9%	23	22	53	52	15	15	8	10
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	1,015	1,066	-4.8%	221	231	523	519	NM	3	268	312
Missouri	NM	NM	NM	26	25	13	13	--	--	NM	NM
Nebraska	41	41	0.7%	31	31	--	3	10	7	--	--
North Dakota	6	7	-18.0%	--	--	--	--	--	--	6	7
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	8,541	8,633	-1.1%	520	549	2,682	2,726	171	171	5,168	5,187
Delaware	62	79	-21.0%	--	--	62	79	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,602	2,624	-0.9%	32	30	1,425	1,491	41	22	1,104	1,081
Georgia	1,877	1,813	3.5%	--	*	81	81	12	12	1,784	1,720
Maryland	324	345	-6.3%	3	2	210	220	30	25	81	98
North Carolina	1,206	1,225	-1.6%	*	4	484	479	--	--	722	742
South Carolina	1,225	1,229	-0.4%	289	251	13	13	--	--	923	965
Virginia	1,246	1,318	-5.5%	196	261	408	363	88	112	555	582
West Virginia	--	*	-100.0%	--	*	--	--	--	--	--	--
East South Central	3,301	3,449	-4.3%	57	56	130	129	--	--	3,115	3,265
Alabama	1,685	1,781	-5.4%	NM	NM	116	114	--	--	1,568	1,666
Kentucky	199	263	-24.0%	56	55	--	--	--	--	143	208
Mississippi	NM	NM	NM	*	*	--	--	--	--	NM	NM
Tennessee	582	556	4.6%	--	--	14	15	--	--	568	541
West South Central	3,362	3,439	-2.2%	--	--	394	324	24	24	2,945	3,091
Arkansas	962	971	-0.9%	--	--	29	31	NM	NM	930	937
Louisiana	1,288	1,415	-8.9%	--	--	46	46	--	--	NM	NM
Oklahoma	188	189	-0.4%	--	--	--	--	--	--	188	189
Texas	923	864	6.8%	--	--	318	247	21	21	584	596
Mountain	469	447	5.1%	NM	NM	223	204	NM	NM	NM	225
Arizona	112	96	16.0%	15	14	95	80	NM	NM	--	--
Colorado	NM	NM	NM	NM	NM	34	33	--	--	--	--
Idaho	282	275	2.2%	--	--	53	50	--	--	NM	225
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	8	8	0.2%	--	--	8	8	--	--	--	--
Utah	33	33	1.2%	--	--	33	33	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	4,687	4,882	-4.0%	353	479	2,561	2,950	577	246	1,196	1,207
California	3,448	3,504	-1.6%	142	145	2,355	2,731	564	234	387	394
Oregon	372	418	-11.0%	40	40	136	150	13	13	183	216
Washington	867	960	-9.7%	171	294	70	69	--	--	626	597
Pacific Noncontiguous	NM	NM	NM	13	28	--	--	92	107	NM	NM
Alaska	NM	3	NM	--	--	--	--	--	--	NM	3
Hawaii	NM	NM	NM	13	28	--	--	92	107	NM	NM
U.S. Total	32,203	32,701	-1.5%	1,875	1,999	13,615	14,000	1,338	985	15,375	15,716

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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



**Table 1.19.A. Net Generation from Geothermal by Census Division, by Sector, July 2012 and 2011  
(Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--	--	--
East North Central	--	--	--	--	--	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	--	--	--	--	--	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	282	243	16.0%	21	21	261	222	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	8	8	1.8%	--	--	8	8	--	--	--	--
Montana	14	--	--	--	--	14	--	--	--	--	--
Nevada	239	214	12.0%	--	--	239	214	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	22	22	2.2%	21	21	NM	NM	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	1,130	1,115	1.3%	74	74	1,055	1,041	--	--	--	--
California	1,130	1,115	1.3%	74	74	1,055	1,041	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	23	14	63.0%	--	--	23	14	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	23	14	63.0%	--	--	23	14	--	--	--	--
U.S. Total	1,435	1,372	4.6%	96	95	1,339	1,277	--	--	--	--

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 1.19.B. Net Generation from Geothermal by Census Division, by Sector, Year-to-Date through July 2012 and 2011  
(Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 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	NM	--	--	--	--	NM	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	NM	--	--	--	--	NM	--	--	--	--	--
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	1,870	1,795	4.1%	155	161	1,715	1,634	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	NM	--	--	--	--	NM	--	--	--	--	--
Idaho	54	54	-0.4%	--	--	54	54	--	--	--	--
Montana	28	--	--	--	--	28	--	--	--	--	--
Nevada	1,623	1,579	2.8%	--	--	1,623	1,579	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	159	163	-2.3%	155	161	4	NM	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	7,833	7,853	-0.2%	504	493	7,330	7,360	--	--	--	--
California	7,833	7,853	-0.2%	504	493	7,330	7,360	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	154	129	19.0%	--	--	154	129	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	154	129	19.0%	--	--	154	129	--	--	--	--
U.S. Total	9,859	9,777	0.8%	658	654	9,200	9,123	--	--	--	--

\* = 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 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 1.20.A. Net Generation from Solar by Census Division, by Sector, July 2012 and 2011  
(Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	NM	NM	NM	--	--	NM	NM	--	--	--	--
Middle Atlantic	46	NM	NM	NM	NM	36	NM	NM	NM	NM	NM
New Jersey	36	NM	NM	NM	NM	27	NM	NM	NM	NM	--
New York	6	NM	NM	--	--	5	NM	NM	--	--	--
Pennsylvania	NM	NM	NM	--	--	NM	NM	NM	NM	NM	NM
East North Central	NM	NM	NM	NM	NM	NM	NM	--	--	--	--
Illinois	NM	2	NM	--	--	NM	2	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	NM	NM	NM	NM	NM	NM	NM	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	36	NM	NM	19	NM	NM	NM	NM	--	--	NM
Delaware	NM	NM	NM	NM	--	NM	NM	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	25	NM	NM	18	7	NM	NM	--	--	--	--
Georgia	NM	--	--	--	--	--	--	NM	--	--	--
Maryland	NM	NM	NM	NM	--	NM	NM	NM	--	--	--
North Carolina	NM	NM	NM	NM	NM	NM	NM	--	--	--	NM
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	15	NM	NM	--	--	15	NM	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	15	NM	NM	--	--	15	NM	--	--	--	--
Mountain	195	55	255.0%	NM	NM	175	53	6	NM	NM	NM
Arizona	98	NM	NM	NM	NM	85	NM	NM	--	--	--
Colorado	18	NM	NM	--	--	16	NM	NM	NM	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	46	30	54.0%	--	--	42	30	4	--	NM	NM
New Mexico	32	NM	NM	--	--	32	NM	--	--	--	--
Utah	NM	--	--	--	--	NM	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	166	127	31.0%	25	NM	137	112	NM	NM	NM	--
California	165	119	39.0%	25	NM	136	112	NM	NM	NM	--
Oregon	NM	--	--	NM	--	NM	--	--	--	--	--
Washington	*	8	-99.0%	*	8	--	--	--	--	--	--
Pacific Noncontiguous	NM	NM	NM	--	--	NM	NM	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	NM	NM	--	--	NM	NM	--	--	--	--
U.S. Total	474	226	110.0%	66	NM	392	196	14	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.

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

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

**Table 1.20.B. Net Generation from Solar by Census Division, by Sector, Year-to-Date through July 2012 and 2011  
(Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	NM	NM	NM	--	--	NM	NM	--	--	--	--
Middle Atlantic	228	NM	NM	29	NM	180	NM	NM	NM	NM	NM
New Jersey	167	NM	NM	29	NM	127	NM	NM	NM	NM	--
New York	35	NM	NM	--	--	34	NM	NM	--	--	--
Pennsylvania	27	NM	NM	--	--	20	NM	NM	NM	NM	NM
East North Central	37	NM	NM	1	1	36	NM	--	--	--	--
Illinois	13	9	50.0%	--	--	13	9	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	24	NM	NM	1	1	23	NM	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	191	103	85.0%	110	71	80	NM	NM	--	--	NM
Delaware	NM	NM	NM	NM	--	NM	NM	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	137	86	59.0%	104	67	33	NM	--	--	--	--
Georgia	NM	--	--	--	--	--	--	NM	--	--	--
Maryland	NM	NM	NM	NM	--	NM	NM	NM	--	--	--
North Carolina	33	NM	NM	NM	NM	28	NM	--	--	--	NM
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	59	NM	NM	--	--	59	NM	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	59	NM	NM	--	--	59	NM	--	--	--	--
Mountain	865	301	187.0%	68	NM	767	287	29	NM	1	1
Arizona	375	NM	NM	68	NM	305	NM	NM	--	--	--
Colorado	84	NM	NM	--	--	76	NM	NM	NM	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	250	184	36.0%	--	--	230	183	19	--	1	1
New Mexico	155	52	201.0%	--	--	155	52	--	--	--	--
Utah	NM	--	--	--	--	NM	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	739	554	33.0%	95	57	627	496	16	NM	NM	--
California	734	528	39.0%	93	NM	624	496	16	NM	NM	--
Oregon	NM	--	--	NM	--	NM	--	--	--	--	--
Washington	*	26	-98.0%	*	26	--	--	--	--	--	--
Pacific Noncontiguous	NM	NM	NM	--	--	NM	NM	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	NM	NM	--	--	NM	NM	--	--	--	--
U.S. Total	2,137	1,069	100.0%	312	157	1,759	902	58	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.

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

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

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	932,911	688,436	236,087	297	8,091
<b>2010</b>					
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
September	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
<b>2011</b>					
January	90,106	66,014	23,291	30	771
February	73,505	54,347	18,466	28	663
March	72,340	54,001	17,670	28	641
April	66,870	49,405	17,006	22	437
May	73,511	54,978	17,765	23	746
June	84,072	62,639	20,721	24	688
July	94,214	69,803	23,585	28	798
August	92,177	68,049	23,291	26	811
September	76,612	55,781	20,039	23	769
October	69,524	50,619	18,161	20	725
November	66,789	48,760	17,500	20	509
December	73,190	54,041	18,592	24	533
<b>2012</b>					
January	70,595	52,308	17,556	25	706
February	62,802	46,854	15,292	25	631
March	57,564	43,477	13,430	22	634
April	51,574	39,707	11,461	19	387
May	62,958	47,002	15,593	20	342
June	71,698	53,758	17,547	22	371
July	86,575	64,406	21,702	24	442
<b>Year to Date</b>					
2010	573,006	424,411	143,767	189	4,638
2011	554,619	411,186	138,504	184	4,745
2012	463,766	347,513	112,581	159	3,514
<b>Rolling 12 Months Ending in July</b>					
2011	961,297	708,207	244,550	309	8,231
2012	842,057	624,763	210,164	271	6,859

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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 2010 and prior years are final. Values for 2011 and 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 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2002-July 2012 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	22,014	--	4,035	1,336	16,643
<b>2010</b>					
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
September	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
<b>2011</b>					
January	2,074	--	377	148	1,548
February	1,859	--	342	136	1,380
March	1,914	--	338	129	1,447
April	1,762	--	330	102	1,330
May	1,842	--	358	104	1,380
June	1,807	--	340	99	1,368
July	1,865	--	349	106	1,410
August	1,797	--	327	98	1,372
September	1,740	--	311	98	1,331
October	1,782	--	329	97	1,355
November	1,727	--	297	103	1,327
December	1,846	--	338	114	1,394
<b>2012</b>					
January	1,892	--	367	129	1,396
February	1,675	--	304	112	1,259
March	1,700	--	304	109	1,287
April	1,483	--	189	92	1,203
May	1,666	--	232	96	1,338
June	1,568	--	209	87	1,272
July	1,684	--	296	91	1,298
<b>Year to Date</b>					
2010	12,895	--	2,255	832	9,807
2011	13,123	--	2,433	826	9,864
2012	11,669	--	1,900	716	9,053
<b>Rolling 12 Months Ending in July</b>					
2011	21,955	--	3,985	1,400	16,570
2012	20,560	--	3,502	1,227	15,832

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

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**Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2002-July 2012 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	954,925	688,436	240,122	1,633	24,733
<b>2010</b>					
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
September	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
<b>2011</b>					
January	92,180	66,014	23,669	178	2,320
February	75,364	54,347	18,808	165	2,044
March	74,254	54,001	18,008	158	2,088
April	68,631	49,405	17,336	124	1,767
May	75,353	54,978	18,122	128	2,126
June	85,880	62,639	21,060	124	2,056
July	96,079	69,803	23,934	134	2,208
August	93,974	68,049	23,618	124	2,182
September	78,352	55,781	20,350	121	2,100
October	71,305	50,619	18,490	116	2,080
November	68,515	48,760	17,797	123	1,835
December	75,036	54,041	18,930	138	1,927
<b>2012</b>					
January	72,487	52,308	17,923	154	2,102
February	64,477	46,854	15,597	137	1,890
March	59,263	43,477	13,734	131	1,921
April	53,057	39,707	11,649	111	1,589
May	64,624	47,002	15,825	117	1,680
June	73,266	53,758	17,756	110	1,643
July	88,259	64,406	21,997	115	1,740
<b>Year to Date</b>					
2010	585,901	424,411	146,023	1,021	14,446
2011	567,742	411,186	140,937	1,010	14,609
2012	475,435	347,513	114,481	875	12,567
<b>Rolling 12 Months Ending in July</b>					
2011	983,252	708,207	248,535	1,709	24,801
2012	862,618	624,763	213,666	1,498	22,691

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 2010 and prior years are final. Values for 2011 and 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 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2002-July 2012 (Thousand Barrels)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	26,728	20,469	5,521	109	629
<b>2010</b>					
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
September	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
<b>2011</b>					
January	3,170	2,118	973	13	66
February	1,985	1,535	388	9	53
March	2,095	1,694	342	7	52
April	2,407	2,037	300	6	63
May	2,241	1,832	361	7	41
June	2,375	1,758	554	9	55
July	2,870	1,877	934	15	43
August	2,264	1,761	445	9	49
September	1,898	1,498	324	8	68
October	1,776	1,451	265	11	49
November	1,754	1,435	270	7	41
December	1,896	1,474	364	7	50
<b>2012</b>					
January	1,895	1,510	330	6	49
February	1,511	1,228	232	4	47
March	1,568	1,317	205	5	41
April	1,657	1,367	223	8	58
May	1,834	1,412	369	8	44
June	2,282	1,713	509	16	44
July	2,640	2,025	559	16	40
<b>Year to Date</b>					
2010	24,814	19,192	5,003	107	512
2011	17,142	12,849	3,853	67	373
2012	13,387	10,574	2,427	63	323
<b>Rolling 12 Months Ending in July</b>					
2011	32,430	24,464	7,127	124	716
2012	22,974	18,194	4,096	105	579

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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**Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2002-July 2012 (Thousand Barrels)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	3,527	--	1,040	141	2,346
<b>2010</b>					
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
September	313	--	88	9	215
October	398	--	95	5	298
November	431	--	128	8	296
December	552	--	97	31	424
<b>2011</b>					
January	432	--	116	25	291
February	307	--	73	10	225
March	298	--	76	15	207
April	325	--	85	9	231
May	273	--	84	10	180
June	278	--	84	13	181
July	283	--	88	19	175
August	275	--	94	11	171
September	273	--	91	7	175
October	300	--	88	8	204
November	240	--	84	8	148
December	243	--	77	8	158
<b>2012</b>					
January	269	--	96	16	157
February	186	--	65	5	116
March	212	--	55	6	152
April	192	--	66	5	121
May	206	--	86	7	113
June	228	--	89	11	128
July	212	--	81	12	119
<b>Year to Date</b>					
2010	2,835	--	587	134	2,114
2011	2,196	--	606	100	1,490
2012	1,506	--	539	62	906
<b>Rolling 12 Months Ending in July</b>					
2011	4,228	--	1,105	179	2,943
2012	2,837	--	973	102	1,762

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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**Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2002-July 2012 (Thousand Barrels)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	30,255	20,469	6,561	250	2,975
<b>2010</b>					
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
September	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
<b>2011</b>					
January	3,602	2,118	1,090	38	357
February	2,292	1,535	461	18	278
March	2,392	1,694	418	22	259
April	2,732	2,037	385	15	294
May	2,514	1,832	444	17	221
June	2,653	1,758	638	22	236
July	3,153	1,877	1,023	35	218
August	2,539	1,761	538	20	220
September	2,171	1,498	415	15	243
October	2,075	1,451	353	19	253
November	1,994	1,435	355	15	189
December	2,139	1,474	441	15	208
<b>2012</b>					
January	2,165	1,510	426	22	206
February	1,697	1,228	297	9	162
March	1,780	1,317	259	11	192
April	1,849	1,367	289	13	179
May	2,040	1,412	455	15	157
June	2,511	1,713	599	27	172
July	2,852	2,025	640	28	160
<b>Year to Date</b>					
2010	27,649	19,192	5,590	240	2,626
2011	19,338	12,849	4,459	167	1,863
2012	14,893	10,574	2,966	124	1,229
<b>Rolling 12 Months Ending in July</b>					
2011	36,658	24,464	8,233	302	3,659
2012	25,810	18,194	5,068	208	2,341

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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**Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2002-July 2012 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	4,561	3,172	1,110	1	279
<b>2010</b>					
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
September	394	296	75	*	23
October	362	245	92	*	25
November	317	201	89	*	27
December	408	274	108	*	25
<b>2011</b>					
January	526	393	101	*	32
February	387	260	106	*	21
March	465	305	135	*	25
April	304	195	87	--	21
May	316	199	97	--	20
June	388	273	91	--	24
July	479	342	109	--	28
August	415	299	90	--	26
September	392	296	74	--	23
October	307	220	68	--	19
November	250	156	77	*	17
December	331	234	75	*	22
<b>2012</b>					
January	414	256	75	*	82
February	314	192	71	*	51
March	251	107	94	*	50
April	204	121	33	*	50
May	234	140	47	--	47
June	225	130	46	--	49
July	285	174	56	*	54
<b>Year to Date</b>					
2010	3,090	2,023	884	1	182
2011	2,865	1,967	726	1	172
2012	1,927	1,121	422	1	384
<b>Rolling 12 Months Ending in July</b>					
2011	4,769	3,270	1,196	1	303
2012	3,623	2,326	806	1	491

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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**Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2002-July 2012 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	1,105	--	113	6	987
<b>2010</b>					
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
September	82	--	2	1	79
October	91	--	9	1	81
November	97	--	11	1	84
December	91	--	9	2	81
<b>2011</b>					
January	75	--	5	1	69
February	103	--	9	1	93
March	107	--	11	1	95
April	105	--	9	--	96
May	118	--	11	--	107
June	87	--	9	--	78
July	87	--	11	--	76
August	82	--	11	--	72
September	73	--	10	--	62
October	81	--	7	--	74
November	109	--	9	1	99
December	77	--	10	1	65
<b>2012</b>					
January	73	--	11	1	60
February	74	--	11	1	62
March	121	--	11	1	109
April	102	--	9	*	93
May	104	--	11	--	92
June	84	--	6	--	78
July	105	--	10	1	95
<b>Year to Date</b>					
2010	611	--	66	4	541
2011	683	--	65	4	614
2012	663	--	68	5	590
<b>Rolling 12 Months Ending in July</b>					
2011	1,131	--	97	10	1,023
2012	1,086	--	116	7	963

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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**Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2002-July 2012 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	5,666	3,172	1,223	6	1,265
<b>2010</b>					
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
September	475	296	76	1	102
October	453	245	101	1	106
November	414	201	100	2	111
December	499	274	117	2	106
<b>2011</b>					
January	602	393	107	1	100
February	490	260	115	1	115
March	573	305	145	1	121
April	409	195	96	--	117
May	434	199	107	--	128
June	475	273	101	--	101
July	566	342	120	--	104
August	498	299	101	--	98
September	465	296	84	--	85
October	388	220	75	--	93
November	358	156	86	1	116
December	408	234	85	2	88
<b>2012</b>					
January	487	256	86	2	143
February	388	192	82	1	113
March	372	107	104	1	159
April	305	121	42	*	142
May	338	140	58	--	140
June	309	130	52	--	128
July	390	174	65	1	149
<b>Year to Date</b>					
2010	3,701	2,023	950	5	723
2011	3,548	1,967	791	4	786
2012	2,590	1,121	490	6	973
<b>Rolling 12 Months Ending in July</b>					
2011	5,900	3,270	1,293	11	1,326
2012	4,708	2,326	922	8	1,453

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 2010 and prior years are final. Values for 2011 and 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 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2002-July 2012 (Million Cubic Feet)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	7,880,481	3,378,222	3,900,340	37,773	564,146
<b>2010</b>					
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
September	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
<b>2011</b>					
January	563,832	233,072	278,829	3,413	48,518
February	503,124	203,170	253,401	2,981	43,573
March	503,889	211,803	244,771	2,899	44,416
April	548,297	238,912	261,446	2,925	45,014
May	602,778	265,648	285,846	3,120	48,163
June	728,673	326,977	351,796	3,077	46,823
July	965,584	425,152	487,217	3,538	49,676
August	947,850	415,830	478,457	3,340	50,222
September	709,700	303,177	357,592	2,960	45,971
October	599,942	260,894	292,528	2,946	43,574
November	567,665	235,483	282,333	3,140	46,709
December	639,148	258,104	326,123	3,434	51,486
<b>2012</b>					
January	676,045	281,378	341,913	3,163	49,591
February	672,419	273,450	349,185	2,858	46,926
March	703,513	295,395	359,296	2,838	45,984
April	744,469	324,214	373,002	2,794	44,459
May	843,453	377,646	412,159	2,837	50,811
June	910,473	406,030	449,550	3,528	51,366
July	1,117,710	497,737	560,967	3,608	55,398
<b>Year to Date</b>					
2010	4,280,724	1,839,497	2,101,540	20,987	318,701
2011	4,416,176	1,904,734	2,163,307	21,952	326,183
2012	5,668,083	2,455,849	2,846,073	21,624	344,536
<b>Rolling 12 Months Ending in July</b>					
2011	7,815,637	3,356,230	3,856,191	40,427	562,790
2012	9,132,387	3,929,337	4,583,105	37,445	582,499

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 2010 and prior years are final. Values for 2011 and 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.

**Tby Sector, 2002-July 2012 (Million Cubic Feet)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		

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	826,548	--	323,364	43,661	459,524

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
September	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	75,394	--	30,315	4,193	40,886
February	64,732	--	25,653	3,544	35,535
March	66,535	--	26,119	3,447	36,969
April	66,208	--	25,599	3,345	37,264
May	68,469	--	26,261	3,591	38,617
June	65,677	--	26,223	3,315	36,139
July	71,692	--	29,831	3,706	38,155
August	71,862	--	29,139	3,590	39,132
September	67,352	--	25,677	3,398	38,278
October	66,238	--	25,058	3,511	37,670
November	68,083	--	25,429	3,812	38,842
December	74,306	--	28,061	4,208	42,036

2012					
January	76,864	--	28,024	4,296	44,543
February	70,567	--	26,537	4,046	39,984
March	71,653	--	25,356	3,286	43,011
April	69,420	--	26,859	2,916	39,645
May	71,043	--	28,970	2,686	39,387
June	72,889	--	28,166	3,992	40,732
July	76,663	--	29,648	4,208	42,807

Year to Date					
2010	471,178	--	175,246	25,494	270,438
2011	478,706	--	190,000	25,141	263,565
2012	509,097	--	193,560	25,429	290,108

Rolling 12 Months Ending in July					
2011	829,304	--	316,522	45,972	466,810
2012	856,939	--	326,924	43,949	486,067

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 2010 and prior years are final. Values for 2011 and 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 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2002-July 2012 (Million Cubic Feet)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
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	8,707,029	3,378,222	4,223,703	81,433	1,023,670
<b>2010</b>					
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
September	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
<b>2011</b>					
January	639,226	233,072	309,144	7,606	89,404
February	567,856	203,170	279,053	6,525	79,108
March	570,424	211,803	270,890	6,346	81,385
April	614,505	238,912	287,045	6,271	82,278
May	671,246	265,648	312,107	6,711	86,780
June	794,349	326,977	378,019	6,391	82,962
July	1,037,276	425,152	517,049	7,244	87,831
August	1,019,712	415,830	507,597	6,931	89,355
September	777,052	303,177	383,268	6,358	84,249
October	666,180	260,894	317,586	6,456	81,244
November	635,749	235,483	307,762	6,952	85,551
December	713,453	258,104	354,184	7,643	93,523
<b>2012</b>					
January	752,908	281,378	369,938	7,459	94,134
February	742,986	273,450	375,722	6,904	86,910
March	775,166	295,395	384,651	6,124	88,995
April	813,889	324,214	399,861	5,711	84,103
May	914,496	377,646	441,129	5,523	90,198
June	983,362	406,030	477,716	7,519	92,098
July	1,194,373	497,737	590,615	7,815	98,206
<b>Year to Date</b>					
2010	4,751,902	1,839,497	2,276,786	46,481	589,139
2011	4,894,883	1,904,734	2,353,307	47,094	589,748
2012	6,177,180	2,455,849	3,039,632	47,054	634,644
<b>Rolling 12 Months Ending in July</b>					
2011	8,644,940	3,356,230	4,172,713	86,398	1,029,599
2012	9,989,326	3,929,337	4,910,029	81,394	1,068,566

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 2010 and prior years are final. Values for 2011 and 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.

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**Table 2.5.A. Coal Consumption by State, by Sector, July 2012 and July 2011  
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	267	436	-39.0%	85	106	181	329	--	--	1	1
Connecticut	13	97	-86.0%	--	--	13	97	--	--	--	--
Maine	1	1	-9.0%	--	--	*	*	--	--	*	1
Massachusetts	168	233	-28.0%	--	--	168	232	--	--	*	NM
New Hampshire	85	106	-20.0%	85	106	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	5,155	5,699	-9.5%	--	NM	5,101	5,627	NM	NM	54	66
New Jersey	237	305	-22.0%	--	--	237	305	--	--	--	--
New York	412	640	-36.0%	--	NM	406	627	--	--	7	7
Pennsylvania	4,506	4,754	-5.2%	--	--	4,459	4,695	NM	NM	48	59
East North Central	19,251	21,647	-11.0%	13,510	15,151	5,644	6,393	9	10	88	93
Illinois	4,984	5,349	-6.8%	643	673	4,280	4,618	--	--	61	58
Indiana	4,816	5,386	-11.0%	4,599	5,008	212	373	5	5	1	NM
Michigan	3,039	3,166	-4.0%	3,012	3,132	21	22	4	5	3	7
Ohio	4,226	5,313	-20.0%	3,088	3,926	1,132	1,381	--	--	6	6
Wisconsin	2,185	2,433	-10.0%	2,168	2,412	--	--	*	NM	17	20
West North Central	13,911	14,285	-2.6%	13,784	14,162	--	--	6	6	121	116
Iowa	2,324	2,444	-4.9%	2,249	2,374	--	--	4	4	71	67
Kansas	1,896	2,005	-5.4%	1,896	2,005	--	--	--	--	--	--
Minnesota	1,389	1,682	-17.0%	1,350	1,643	--	--	--	--	39	39
Missouri	4,495	4,510	-0.3%	4,491	4,505	--	--	2	3	2	NM
Nebraska	1,437	1,468	-2.1%	1,436	1,467	--	--	--	--	1	NM
North Dakota	2,177	1,971	10.0%	2,169	1,963	--	--	--	--	8	8
South Dakota	193	204	-5.4%	193	204	--	--	--	--	--	--
South Atlantic	13,671	15,351	-11.0%	11,294	12,884	2,324	2,404	2	3	51	60
Delaware	99	106	-6.8%	--	--	99	106	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,093	2,380	-12.0%	1,987	2,259	102	115	--	--	5	6
Georgia	2,522	3,107	-19.0%	2,513	3,093	--	--	--	--	9	14
Maryland	993	1,049	-5.4%	--	--	989	1,044	--	--	4	5
North Carolina	2,589	2,706	-4.3%	2,506	2,602	76	94	1	2	5	7
South Carolina	1,394	1,579	-12.0%	1,387	1,565	--	8	--	--	7	6
Virginia	1,088	1,010	7.7%	971	855	104	140	NM	NM	12	13
West Virginia	2,894	3,415	-15.0%	1,931	2,509	954	897	--	--	9	9
East South Central	9,465	10,271	-7.8%	9,094	9,977	339	260	*	NM	32	34
Alabama	2,741	3,151	-13.0%	2,729	3,137	3	3	--	--	9	11
Kentucky	3,851	4,290	-10.0%	3,851	4,290	--	--	--	--	--	--
Mississippi	707	732	-3.3%	372	474	335	257	--	--	--	--
Tennessee	2,166	2,098	3.2%	2,143	2,075	--	--	*	NM	23	23
West South Central	15,055	16,352	-7.9%	7,793	8,536	7,243	7,465	--	--	19	351
Arkansas	1,487	1,698	-12.0%	1,254	1,548	232	148	--	--	2	2
Louisiana	1,621	1,646	-1.5%	850	803	771	843	--	--	--	--
Oklahoma	1,946	2,120	-8.2%	1,808	1,953	121	146	--	--	17	20
Texas	10,001	10,888	-8.2%	3,881	4,232	6,120	6,327	--	--	--	329
Mountain	9,563	9,788	-2.3%	8,760	8,808	737	912	--	--	67	68
Arizona	1,865	2,071	-9.9%	1,857	2,061	--	--	--	--	8	9
Colorado	1,896	1,737	9.1%	1,892	1,733	4	4	--	--	--	--
Idaho	2	2	-1.7%	--	--	--	--	--	--	2	2
Montana	636	800	-20.0%	NM	NM	612	774	--	--	--	--
Nevada	291	334	-13.0%	230	269	61	65	--	--	--	--
New Mexico	1,374	1,397	-1.7%	1,374	1,397	--	--	--	--	--	--
Utah	1,358	1,384	-1.9%	1,276	1,297	NM	33	--	--	53	53
Wyoming	2,142	2,064	3.8%	2,106	2,025	NM	NM	--	--	4	4
Pacific Contiguous	128	275	-54.0%	70	154	51	114	--	--	7	7
California	57	79	-28.0%	--	--	51	73	--	--	7	6
Oregon	70	154	-55.0%	70	154	--	--	--	--	--	--
Washington	1	41	-99.0%	--	--	--	41	--	--	1	1
Pacific Noncontiguous	108	111	-2.8%	16	19	83	82	7	9	NM	NM
Alaska	41	45	-8.1%	16	19	18	18	7	9	--	--
Hawaii	67	67	0.7%	--	--	65	64	--	--	NM	NM
U.S. Total	86,575	94,214	-8.1%	64,406	69,803	21,702	23,585	24	28	442	798

\* = 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 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 difference 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 July 2012 and July 2011  
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	925	2,440	-62.0%	330	679	589	1,754	--	--	6	7
Connecticut	46	278	-83.0%	--	--	46	278	--	--	--	--
Maine	6	8	-33.0%	--	--	3	5	--	--	3	4
Massachusetts	543	1,474	-63.0%	--	--	540	1,471	--	--	3	3
New Hampshire	330	679	-51.0%	330	679	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	25,285	32,841	-23.0%	NM	NM	24,930	32,403	*	1	353	409
New Jersey	521	1,382	-62.0%	--	--	521	1,382	--	--	--	--
New York	1,351	3,329	-59.0%	NM	NM	1,307	3,253	--	1	42	46
Pennsylvania	23,413	28,130	-17.0%	--	--	23,102	27,767	*	*	311	363
East North Central	104,138	124,350	-16.0%	71,831	86,568	31,667	37,095	51	66	589	622
Illinois	27,983	31,584	-11.0%	3,773	3,847	23,850	27,345	4	5	357	387
Indiana	26,727	30,581	-13.0%	24,825	27,861	1,873	2,689	23	24	7	7
Michigan	16,463	18,953	-13.0%	16,288	18,731	128	140	22	35	25	48
Ohio	22,456	29,662	-24.0%	16,560	22,694	5,816	6,920	--	--	79	48
Wisconsin	10,509	13,569	-23.0%	10,384	13,434	--	--	2	2	122	133
West North Central	76,754	86,352	-11.0%	75,958	85,539	--	--	35	42	761	771
Iowa	12,337	13,716	-10.0%	11,873	13,254	--	--	24	25	439	437
Kansas	9,836	11,910	-17.0%	9,836	11,910	--	--	--	--	--	--
Minnesota	7,487	10,370	-28.0%	7,237	10,112	--	--	--	--	250	258
Missouri	24,478	27,551	-11.0%	24,454	27,516	--	--	11	17	13	18
Nebraska	8,273	8,625	-4.1%	8,266	8,618	--	--	--	--	7	7
North Dakota	13,335	12,898	3.4%	13,284	12,846	--	--	--	--	51	52
South Dakota	1,007	1,282	-21.0%	1,007	1,282	--	--	--	--	--	--
South Atlantic	67,377	88,475	-24.0%	56,597	74,612	10,469	13,478	9	15	302	369
Delaware	355	529	-33.0%	--	--	355	529	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	11,302	13,894	-19.0%	10,789	13,151	488	707	--	--	25	36
Georgia	12,557	18,533	-32.0%	12,492	18,442	--	--	--	--	66	90
Maryland	3,621	5,791	-37.0%	--	--	3,596	5,760	--	--	25	31
North Carolina	12,411	15,738	-21.0%	11,980	15,163	393	520	4	9	34	45
South Carolina	7,128	8,967	-21.0%	7,092	8,912	2	18	--	--	35	37
Virginia	3,847	5,760	-33.0%	3,397	5,041	379	637	5	6	67	76
West Virginia	16,154	19,264	-16.0%	10,848	13,903	5,256	5,307	--	--	50	54
East South Central	47,283	59,794	-21.0%	45,389	58,100	1,693	1,487	3	3	198	204
Alabama	12,481	17,631	-29.0%	12,421	17,546	12	32	--	--	48	53
Kentucky	22,194	25,046	-11.0%	22,194	25,046	--	--	--	--	--	--
Mississippi	3,067	3,786	-19.0%	1,386	2,331	1,681	1,455	--	--	--	--
Tennessee	9,541	13,331	-28.0%	9,388	13,176	--	--	3	3	151	151
West South Central	82,258	97,222	-15.0%	44,105	49,916	37,095	45,187	--	--	1,059	2,119
Arkansas	10,140	10,119	0.2%	8,635	8,853	1,491	1,250	--	--	14	16
Louisiana	7,861	9,584	-18.0%	4,110	4,599	3,751	4,986	--	--	--	--
Oklahoma	10,772	12,959	-17.0%	10,114	12,088	576	764	--	--	82	107
Texas	53,485	64,559	-17.0%	21,246	24,377	31,277	38,188	--	--	962	1,995
Mountain	57,830	60,524	-4.4%	52,633	54,816	5,006	5,523	--	--	191	184
Arizona	12,060	12,949	-6.9%	12,021	12,899	--	--	--	--	39	50
Colorado	10,852	10,498	3.4%	10,832	10,472	20	26	--	--	--	--
Idaho	10	10	-3.9%	--	--	--	--	--	--	10	10
Montana	4,450	4,848	-8.2%	141	155	4,309	4,694	--	--	--	--
Nevada	878	1,448	-39.0%	566	1,064	311	385	--	--	--	--
New Mexico	8,063	8,936	-9.8%	8,063	8,936	--	--	--	--	--	--
Utah	7,609	8,528	-11.0%	7,320	8,226	172	202	--	--	118	99
Wyoming	13,909	13,307	4.5%	13,690	13,065	195	217	--	--	25	25
Pacific Contiguous	1,190	1,910	-38.0%	546	827	597	1,036	--	--	47	48
California	371	489	-24.0%	--	--	329	445	--	--	42	44
Oregon	546	827	-34.0%	546	827	--	--	--	--	--	--
Washington	273	595	-54.0%	--	--	268	591	--	--	5	4
Pacific Noncontiguous	726	712	2.0%	121	100	535	542	61	58	8	11
Alaska	298	276	8.0%	121	100	115	117	61	58	--	--
Hawaii	428	436	-1.8%	--	--	420	425	--	--	8	11
U.S. Total	463,766	554,619	-16.0%	347,513	411,186	112,581	138,504	159	184	3,514	4,745

\* = 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 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 difference 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 July 2012 and July 2011  
(Thousand Barrels)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	147	204	-28.0%	21	20	111	167	12	11	3	6
Connecticut	55	73	-24.0%	NM	NM	55	72	--	--	NM	NM
Maine	37	45	-18.0%	NM	NM	33	38	NM	NM	2	5
Massachusetts	39	73	-46.0%	5	8	23	57	10	NM	NM	NM
New Hampshire	14	10	39.0%	12	8	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	--	--	--	--
Middle Atlantic	467	625	-25.0%	255	304	204	313	NM	NM	7	6
New Jersey	16	44	-64.0%	NM	NM	14	41	NM	NM	NM	NM
New York	331	424	-22.0%	253	301	71	115	NM	NM	6	6
Pennsylvania	120	157	-23.0%	NM	NM	120	156	NM	NM	NM	NM
East North Central	147	145	1.3%	125	124	20	19	NM	NM	1	1
Illinois	12	14	-15.0%	NM	5	8	9	NM	NM	NM	NM
Indiana	25	31	-19.0%	25	30	NM	NM	NM	NM	1	1
Michigan	28	45	-36.0%	28	44	--	NM	NM	*	*	*
Ohio	55	43	26.0%	43	33	11	10	--	--	*	*
Wisconsin	26	12	128.0%	26	11	*	*	NM	NM	NM	NM
West North Central	61	43	41.0%	60	43	NM	NM	NM	NM	NM	NM
Iowa	18	15	14.0%	17	15	NM	NM	NM	NM	NM	NM
Kansas	NM	5	NM	NM	5	--	--	--	--	--	--
Minnesota	16	NM	NM	16	NM	NM	NM	NM	NM	NM	NM
Missouri	16	8	91.0%	16	8	--	--	NM	NM	--	--
Nebraska	2	3	-28.0%	2	3	--	--	--	--	--	--
North Dakota	3	6	-42.0%	3	6	--	--	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
South Atlantic	605	695	-13.0%	502	399	90	284	NM	NM	13	11
Delaware	10	12	-19.0%	NM	NM	10	12	--	--	--	--
District of Columbia	--	155	-100.0%	--	--	--	155	--	--	--	--
Florida	237	168	41.0%	228	165	8	NM	--	--	NM	3
Georgia	18	15	22.0%	10	11	NM	NM	NM	NM	7	3
Maryland	39	95	-59.0%	NM	NM	38	94	NM	NM	NM	*
North Carolina	23	24	-3.1%	21	22	NM	NM	NM	NM	NM	2
South Carolina	18	14	30.0%	17	13	--	--	NM	NM	1	1
Virginia	240	194	24.0%	205	169	34	22	*	*	2	2
West Virginia	20	18	12.0%	20	18	--	--	--	--	--	--
East South Central	50	83	-39.0%	46	79	NM	NM	--	--	4	3
Alabama	15	15	-0.8%	11	12	NM	NM	--	--	4	3
Kentucky	18	13	38.0%	18	13	--	--	--	--	--	--
Mississippi	2	NM	NM	2	NM	--	--	--	--	*	*
Tennessee	15	54	-71.0%	15	53	--	--	--	--	NM	NM
West South Central	21	26	-21.0%	7	13	12	10	NM	NM	NM	3
Arkansas	NM	10	NM	1	6	*	5	--	--	NM	NM
Louisiana	5	5	-3.5%	2	3	1	*	--	--	1	1
Oklahoma	NM	NM	NM	1	2	--	--	NM	NM	NM	NM
Texas	14	8	66.0%	3	2	11	5	NM	NM	NM	NM
Mountain	33	41	-18.0%	26	34	6	6	NM	NM	NM	NM
Arizona	5	6	-18.0%	5	6	--	--	NM	NM	NM	NM
Colorado	NM	NM	NM	NM	NM	--	--	--	--	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	6	5	8.2%	NM	NM	5	5	--	--	--	--
Nevada	5	4	23.0%	4	4	1	1	--	--	--	--
New Mexico	5	5	-15.0%	5	5	NM	--	--	NM	NM	NM
Utah	5	6	-6.4%	5	6	--	--	--	--	--	--
Wyoming	6	11	-45.0%	6	11	--	--	--	--	NM	NM
Pacific Contiguous	11	16	-35.0%	9	9	NM	6	NM	NM	1	1
California	6	7	-23.0%	5	7	*	NM	NM	NM	NM	NM
Oregon	3	2	68.0%	3	2	--	--	--	--	--	--
Washington	2	7	-76.0%	NM	NM	NM	6	NM	NM	1	*
Pacific Noncontiguous	1,099	993	11.0%	974	851	114	129	NM	NM	10	12
Alaska	188	105	78.0%	182	99	--	--	NM	NM	NM	NM
Hawaii	911	888	2.6%	792	752	114	129	*	*	4	6
U.S. Total	2,640	2,870	-8.0%	2,025	1,877	559	934	16	15	40	43

\* = 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 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 difference 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 July 2012 and July 2011  
(Thousand Barrels)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	580	934	-38.0%	78	169	439	668	39	42	25	56
Connecticut	171	263	-35.0%	NM	3	169	259	--	--	NM	NM
Maine	143	256	-44.0%	NM	NM	115	195	NM	NM	24	55
Massachusetts	206	293	-30.0%	22	54	154	212	30	28	NM	NM
New Hampshire	45	103	-56.0%	39	93	NM	NM	6	9	NM	NM
Rhode Island	12	13	-11.0%	11	12	NM	NM	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	--	--	--	--
Middle Atlantic	1,049	2,093	-50.0%	433	716	563	1,308	10	NM	44	63
New Jersey	38	149	-75.0%	NM	NM	30	138	NM	NM	NM	NM
New York	678	1,306	-48.0%	427	706	204	537	7	4	40	58
Pennsylvania	334	637	-48.0%	NM	NM	329	632	NM	NM	2	3
East North Central	742	962	-23.0%	629	827	103	120	NM	4	9	10
Illinois	73	95	-23.0%	23	31	49	63	*	NM	NM	NM
Indiana	135	192	-29.0%	132	184	NM	NM	NM	2	4	6
Michigan	179	248	-28.0%	175	243	1	NM	NM	2	2	3
Ohio	296	379	-22.0%	244	322	51	56	--	--	2	1
Wisconsin	57	48	20.0%	55	46	2	1	NM	NM	NM	NM
West North Central	377	350	7.7%	367	343	7	3	NM	NM	2	3
Iowa	130	97	33.0%	128	96	NM	NM	NM	NM	NM	NM
Kansas	39	47	-16.0%	39	47	--	--	--	--	--	--
Minnesota	45	33	35.0%	37	30	5	1	NM	NM	1	NM
Missouri	84	88	-4.6%	84	88	--	--	NM	NM	--	NM
Nebraska	29	36	-21.0%	29	36	--	--	--	--	--	--
North Dakota	37	40	-7.2%	36	39	--	--	NM	NM	1	NM
South Dakota	13	8	67.0%	12	7	NM	NM	NM	NM	--	--
South Atlantic	2,202	3,902	-44.0%	1,769	3,078	344	724	4	5	86	96
Delaware	33	60	-45.0%	NM	NM	32	59	--	--	--	--
District of Columbia	26	217	-88.0%	--	--	26	217	--	--	--	--
Florida	829	1,923	-57.0%	808	1,890	12	14	--	--	9	18
Georgia	133	134	-0.7%	88	96	NM	5	NM	NM	42	32
Maryland	159	299	-47.0%	5	5	148	292	NM	NM	6	2
North Carolina	245	276	-12.0%	235	260	NM	NM	NM	NM	8	14
South Carolina	137	133	3.4%	127	120	--	--	NM	NM	10	13
Virginia	495	649	-24.0%	360	515	122	116	1	2	12	16
West Virginia	146	211	-31.0%	146	191	--	19	--	--	--	--
East South Central	424	593	-28.0%	403	556	2	10	--	--	19	27
Alabama	99	144	-31.0%	81	109	2	10	--	--	16	24
Kentucky	125	137	-9.0%	125	137	--	--	--	--	--	--
Mississippi	17	55	-69.0%	16	54	--	--	--	--	2	1
Tennessee	183	257	-29.0%	182	255	--	--	--	--	NM	NM
West South Central	279	341	-18.0%	74	193	185	132	NM	NM	19	14
Arkansas	30	64	-53.0%	19	35	10	28	--	--	1	2
Louisiana	42	65	-36.0%	15	43	16	16	--	--	10	6
Oklahoma	14	16	-13.0%	14	16	--	--	NM	NM	NM	NM
Texas	193	196	-1.3%	26	100	159	89	NM	NM	7	NM
Mountain	247	281	-12.0%	219	249	26	30	NM	NM	2	NM
Arizona	50	62	-19.0%	48	60	--	--	NM	NM	2	2
Colorado	18	NM	NM	18	NM	*	6	--	*	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	20	20	1.7%	NM	NM	19	19	--	--	--	--
Nevada	25	16	61.0%	19	11	7	5	--	--	--	--
New Mexico	45	NM	NM	45	NM	NM	--	--	NM	NM	NM
Utah	35	48	-27.0%	35	48	--	--	--	--	--	--
Wyoming	53	64	-16.0%	53	64	--	--	--	--	NM	NM
Pacific Contiguous	91	80	14.0%	48	49	26	19	NM	NM	16	11
California	57	41	37.0%	34	35	21	NM	NM	NM	NM	NM
Oregon	8	9	-20.0%	8	9	--	--	--	--	--	1
Washington	27	29	-7.9%	NM	NM	5	15	NM	NM	14	8
Pacific Noncontiguous	7,396	7,607	-2.8%	6,554	6,669	733	839	6	NM	103	NM
Alaska	1,020	874	17.0%	976	827	--	--	4	NM	40	43
Hawaii	6,376	6,733	-5.3%	5,578	5,842	733	839	3	2	63	NM
U.S. Total	13,387	17,142	-22.0%	10,574	12,849	2,427	3,853	63	67	323	373

\* = 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 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 difference 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, July 2012 and July 2011  
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	10	NM	--	--	--	10	--	--	NM	NM
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	10	-100.0%	--	--	--	10	--	--	--	--
Pennsylvania	NM	NM	NM	--	--	--	--	--	--	NM	NM
East North Central	54	66	-18.0%	8	20	40	40	--	--	6	7
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	6	NM	NM	NM	3	3	--	--	NM	NM
Ohio	38	37	2.5%	--	--	37	37	--	--	1	1
Wisconsin	11	23	-51.0%	7	19	--	--	--	--	4	4
West North Central	*	6	-98.0%	--	6	--	--	*	--	--	--
Iowa	*	4	-97.0%	--	4	--	--	*	--	--	--
Kansas	--	1	-100.0%	--	1	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	41	91	-55.0%	36	85	--	--	--	--	5	6
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	36	85	-58.0%	36	85	--	--	--	--	--	--
Georgia	5	6	-14.0%	--	--	--	--	--	--	5	6
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	57	58	-0.3%	57	58	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	57	58	-0.3%	57	58	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	119	197	-40.0%	74	174	2	9	--	--	43	15
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	77	185	-58.0%	74	174	--	--	--	--	4	11
Oklahoma	NM	NM	NM	--	--	--	--	--	--	NM	NM
Texas	41	12	231.0%	--	--	2	9	--	--	39	4
Mountain	11	14	-22.0%	--	--	11	14	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	11	14	-22.0%	--	--	11	14	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	36	NM	--	--	NM	36	--	--	--	--
California	NM	36	NM	--	--	NM	36	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	285	479	-41.0%	174	342	56	109	*	--	54	28

\* = 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 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 difference 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 July 2012 and July 2011  
(Thousand Tons)**

Census Division and State	Electric Power Sector											
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector		
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	
New England	--	--	--	--	--	--	--	--	--	--	--	
Connecticut	--	--	--	--	--	--	--	--	--	--	--	
Maine	--	--	--	--	--	--	--	--	--	--	--	
Massachusetts	--	--	--	--	--	--	--	--	--	--	--	
New Hampshire	--	--	--	--	--	--	--	--	--	--	--	
Rhode Island	--	--	--	--	--	--	--	--	--	--	--	
Vermont	--	--	--	--	--	--	--	--	--	--	--	
Middle Atlantic	NM	83	NM	--	--	NM	81	--	--	NM	NM	
New Jersey	--	--	--	--	--	--	--	--	--	--	--	
New York	NM	81	NM	--	--	NM	81	--	--	--	--	
Pennsylvania	NM	NM	NM	--	--	--	--	--	--	NM	NM	
East North Central	297	408	-27.0%	30	117	231	249	--	--	36	42	
Illinois	--	--	--	--	--	--	--	--	--	--	--	
Indiana	--	--	--	--	--	--	--	--	--	--	--	
Michigan	30	36	-16.0%	NM	NM	20	20	--	--	6	10	
Ohio	216	237	-8.5%	--	--	211	229	--	--	6	7	
Wisconsin	51	136	-63.0%	26	111	--	--	--	--	25	24	
West North Central	5	31	-83.0%	5	30	--	--	1	1	--	--	
Iowa	5	21	-75.0%	5	21	--	--	1	1	--	--	
Kansas	--	9	-100.0%	--	9	--	--	--	--	--	--	
Minnesota	--	--	--	--	--	--	--	--	--	--	--	
Missouri	--	--	--	--	--	--	--	--	--	--	--	
Nebraska	--	--	--	--	--	--	--	--	--	--	--	
North Dakota	--	--	--	--	--	--	--	--	--	--	--	
South Dakota	--	--	--	--	--	--	--	--	--	--	--	
South Atlantic	205	445	-54.0%	171	400	--	--	--	--	35	44	
Delaware	--	--	--	--	--	--	--	--	--	--	--	
District of Columbia	--	--	--	--	--	--	--	--	--	--	--	
Florida	171	400	-57.0%	171	400	--	--	--	--	--	--	
Georgia	35	44	-22.0%	--	--	--	--	--	--	35	44	
Maryland	--	--	--	--	--	--	--	--	--	--	--	
North Carolina	--	--	--	--	--	--	--	--	--	--	--	
South Carolina	--	--	--	--	--	--	--	--	--	--	--	
Virginia	--	--	--	--	--	--	--	--	--	--	--	
West Virginia	--	--	--	--	--	--	--	--	--	--	--	
East South Central	292	387	-24.0%	292	387	--	--	--	--	--	--	
Alabama	--	--	--	--	--	--	--	--	--	--	--	
Kentucky	292	387	-24.0%	292	387	--	--	--	--	--	--	
Mississippi	--	--	--	--	--	--	--	--	--	--	--	
Tennessee	--	--	--	--	--	--	--	--	--	--	--	
West South Central	938	1,178	-20.0%	623	1,033	4	63	--	--	311	83	
Arkansas	--	--	--	--	--	--	--	--	--	--	--	
Louisiana	652	1,086	-40.0%	623	1,033	--	--	--	--	28	54	
Oklahoma	NM	NM	NM	--	--	--	--	--	--	NM	NM	
Texas	286	91	215.0%	--	--	4	63	--	--	282	28	
Mountain	93	99	-6.2%	--	--	93	99	--	--	--	--	
Arizona	--	--	--	--	--	--	--	--	--	--	--	
Colorado	--	--	--	--	--	--	--	--	--	--	--	
Idaho	--	--	--	--	--	--	--	--	--	--	--	
Montana	93	99	-6.2%	--	--	93	99	--	--	--	--	
Nevada	--	--	--	--	--	--	--	--	--	--	--	
New Mexico	--	--	--	--	--	--	--	--	--	--	--	
Utah	--	--	--	--	--	--	--	--	--	--	--	
Wyoming	--	--	--	--	--	--	--	--	--	--	--	
Pacific Contiguous	81	235	-66.0%	--	--	81	235	--	--	--	--	
California	81	235	-66.0%	--	--	81	235	--	--	--	--	
Oregon	--	--	--	--	--	--	--	--	--	--	--	
Washington	--	--	--	--	--	--	--	--	--	--	--	
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--	
Alaska	--	--	--	--	--	--	--	--	--	--	--	
Hawaii	--	--	--	--	--	--	--	--	--	--	--	
U.S. Total	1,927	2,865	-33.0%	1,121	1,967	422	726	1	1	384	172	

\* = 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 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 difference 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, July 2012 and July 2011  
(Million Cubic Feet)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	53,298	50,317	5.9%	1,191	860	49,689	47,048	471	464	1,946	1,945
Connecticut	13,109	11,142	18.0%	NM	NM	12,706	10,783	NM	NM	240	221
Maine	5,100	5,515	-7.5%	--	--	3,609	3,959	NM	NM	1,490	1,556
Massachusetts	23,211	22,296	4.1%	649	500	22,059	21,307	299	333	204	156
New Hampshire	5,438	4,905	11.0%	460	274	4,966	4,619	--	--	NM	NM
Rhode Island	6,437	6,455	-0.3%	--	--	6,348	6,381	NM	NM	--	--
Vermont	3	4	-18.0%	3	4	--	--	--	--	--	--
Middle Atlantic	134,945	115,291	17.0%	17,646	16,706	115,764	97,154	619	515	917	916
New Jersey	27,842	22,953	21.0%	--	--	27,407	22,512	NM	NM	366	380
New York	64,616	56,405	15.0%	17,606	16,677	46,368	39,177	474	385	167	167
Pennsylvania	42,487	35,932	18.0%	NM	NM	41,989	35,466	NM	NM	383	369
East North Central	103,831	66,079	57.0%	42,755	23,861	59,525	41,049	595	438	957	731
Illinois	22,099	14,857	49.0%	4,348	2,545	17,188	11,782	303	304	261	226
Indiana	15,632	11,150	40.0%	11,671	8,074	3,616	2,755	NM	NM	316	296
Michigan	29,242	19,391	51.0%	10,807	4,396	18,061	14,861	NM	43	202	NM
Ohio	20,180	12,020	68.0%	6,567	4,308	13,574	7,676	--	--	NM	NM
Wisconsin	16,678	8,661	93.0%	9,363	4,539	7,086	3,976	NM	NM	NM	NM
West North Central	42,752	31,268	37.0%	37,556	27,452	4,903	3,620	NM	NM	NM	NM
Iowa	5,931	3,720	59.0%	5,902	3,714	NM	NM	NM	NM	NM	1
Kansas	7,360	8,307	-11.0%	7,360	8,307	--	--	--	--	NM	NM
Minnesota	12,630	7,685	64.0%	10,260	6,007	2,270	1,619	NM	NM	NM	NM
Missouri	11,425	8,831	29.0%	8,632	6,702	2,631	2,001	160	127	NM	NM
Nebraska	3,858	1,935	99.0%	3,858	1,935	--	NM	NM	NM	--	--
North Dakota	NM	NM	NM	NM	NM	--	--	--	--	NM	NM
South Dakota	1,533	778	97.0%	1,533	778	--	--	--	--	--	--
South Atlantic	230,270	189,915	21.0%	168,309	143,416	59,184	44,914	167	NM	2,611	1,560
Delaware	7,477	5,450	37.0%	NM	NM	6,451	5,398	--	--	956	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	116,435	107,190	8.6%	103,809	97,044	11,737	8,822	NM	NM	867	1,302
Georgia	39,277	23,136	70.0%	19,260	11,446	19,623	11,569	--	--	394	121
Maryland	7,961	6,826	17.0%	--	--	7,677	6,789	NM	NM	147	NM
North Carolina	20,763	14,080	47.0%	18,095	11,859	2,589	2,158	5	--	74	62
South Carolina	12,498	11,037	13.0%	10,217	8,741	2,262	2,289	NM	NM	18	4
Virginia	25,301	21,569	17.0%	16,792	14,234	8,363	7,307	--	--	147	28
West Virginia	558	627	-11.0%	67	39	483	582	--	--	NM	NM
East South Central	90,099	75,783	19.0%	46,136	39,526	42,633	34,964	NM	NM	1,241	1,216
Alabama	44,565	37,434	19.0%	11,303	10,439	32,353	26,115	--	--	909	880
Kentucky	5,639	3,615	56.0%	4,249	2,980	1,257	492	--	--	NM	143
Mississippi	34,147	30,213	13.0%	24,939	21,686	9,023	8,358	NM	NM	175	159
Tennessee	5,747	4,522	27.0%	5,645	4,420	--	--	NM	NM	24	34
West South Central	297,691	300,993	-1.1%	107,561	110,548	149,104	153,304	342	347	40,684	36,794
Arkansas	18,120	15,416	18.0%	5,544	5,164	12,493	10,183	NM	NM	82	68
Louisiana	52,608	46,378	13.0%	26,686	25,012	8,959	6,150	NM	NM	16,939	15,193
Oklahoma	45,559	45,416	0.3%	33,979	35,541	11,492	9,802	NM	NM	60	46
Texas	181,404	193,784	-6.4%	41,352	44,832	116,160	127,169	288	297	23,603	21,486
Mountain	77,171	69,036	12.0%	45,574	37,947	30,879	30,478	188	168	530	443
Arizona	29,835	25,793	16.0%	13,694	10,140	16,085	15,601	NM	NM	NM	NM
Colorado	10,836	10,364	4.5%	5,551	4,857	5,255	5,490	9	*	NM	NM
Idaho	1,923	834	130.0%	1,510	NM	387	279	--	--	NM	22
Montana	NM	NM	NM	NM	NM	NM	NM	--	--	NM	NM
Nevada	20,689	18,351	13.0%	15,011	12,837	5,452	5,314	NM	NM	174	150
New Mexico	8,195	8,865	-7.6%	5,379	5,856	2,736	2,939	NM	NM	NM	NM
Utah	4,964	4,347	14.0%	4,056	3,505	789	763	NM	NM	118	78
Wyoming	NM	337	NM	NM	NM	NM	NM	--	--	181	172
Pacific Contiguous	84,299	63,673	32.0%	27,706	21,658	49,287	34,685	914	1,329	6,392	6,002
California	77,049	59,454	30.0%	23,877	19,487	45,930	32,689	902	1,320	6,340	5,958
Oregon	4,142	2,208	88.0%	1,085	568	3,021	1,611	--	--	NM	NM
Washington	3,108	2,011	55.0%	2,743	1,603	336	385	NM	NM	16	14
Pacific Noncontiguous	3,354	3,228	3.9%	3,304	3,180	--	--	NM	--	NM	NM
Alaska	3,354	3,228	3.9%	3,304	3,180	--	--	NM	--	NM	NM
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	1,117,710	965,584	16.0%	497,737	425,152	560,967	487,217	3,608	3,538	55,398	49,676

\* = 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 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 difference is calculated before rounding.

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

**Table 2.8.B. Natural Gas Consumption by State, by Sector, Year-to-Date through July 2012 and July 2011  
(Million Cubic Feet)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	263,488	259,522	1.5%	2,643	2,406	245,606	242,473	3,006	2,910	12,233	11,733
Connecticut	62,692	58,597	7.0%	NM	NM	60,372	56,694	496	318	1,323	1,177
Maine	26,271	28,334	-7.3%	--	--	16,284	18,507	NM	NM	9,979	9,820
Massachusetts	106,448	109,480	-2.8%	1,493	1,419	101,998	105,147	2,100	2,247	856	668
New Hampshire	31,725	27,338	16.0%	625	547	31,026	26,723	--	--	NM	NM
Rhode Island	36,328	35,741	1.6%	--	--	35,926	35,402	402	339	--	--
Vermont	23	31	-26.0%	23	31	--	--	--	--	--	--
Middle Atlantic	648,818	526,762	23.0%	77,988	75,217	561,218	442,694	3,977	3,436	5,636	5,414
New Jersey	128,018	109,914	16.0%	--	--	125,264	107,341	390	350	2,364	2,224
New York	285,381	242,546	18.0%	77,863	75,135	203,226	163,606	3,207	2,766	1,085	1,040
Pennsylvania	235,420	174,301	35.0%	NM	NM	232,727	171,748	381	321	2,186	2,150
East North Central	434,775	220,740	97.0%	161,347	73,156	263,985	140,324	3,698	2,840	5,743	4,420
Illinois	66,732	33,996	96.0%	6,081	4,019	57,157	26,493	2,186	2,316	1,307	1,168
Indiana	76,671	48,427	58.0%	59,447	33,147	14,841	13,191	154	137	2,229	1,953
Michigan	124,812	59,458	110.0%	32,355	8,687	90,242	49,859	881	137	1,333	776
Ohio	102,773	50,119	105.0%	28,091	13,076	74,449	36,844	--	--	233	199
Wisconsin	63,787	28,740	122.0%	35,372	14,227	27,296	13,938	478	251	641	324
West North Central	119,769	73,355	63.0%	103,746	64,612	14,398	7,893	1,218	490	407	360
Iowa	11,928	6,654	79.0%	11,783	6,526	NM	NM	NM	NM	NM	NM
Kansas	22,801	21,000	8.6%	22,801	21,000	--	--	--	--	NM	NM
Minnesota	39,531	17,105	131.0%	33,176	13,494	5,718	3,129	384	263	252	220
Missouri	36,072	24,512	47.0%	26,590	19,541	8,677	4,762	794	201	NM	NM
Nebraska	6,845	3,010	127.0%	6,843	3,008	--	NM	NM	NM	--	--
North Dakota	60	51	19.0%	NM	NM	--	--	--	--	39	31
South Dakota	2,531	1,023	147.0%	2,531	1,023	--	--	--	--	--	--
South Atlantic	1,203,636	934,230	29.0%	907,150	736,196	283,054	189,290	740	93	12,692	8,652
Delaware	38,032	21,753	75.0%	NM	NM	34,076	20,606	--	--	3,700	967
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	672,589	607,938	11.0%	606,025	554,841	60,920	46,854	113	86	5,531	6,157
Georgia	181,502	106,638	70.0%	99,473	53,769	80,303	52,052	--	--	1,726	817
Maryland	34,324	14,769	132.0%	--	--	33,113	14,579	598	NM	613	188
North Carolina	92,198	49,240	87.0%	77,279	38,359	14,488	10,633	22	1	409	247
South Carolina	66,501	55,099	21.0%	54,950	47,300	11,352	7,755	NM	NM	192	42
Virginia	116,775	77,059	52.0%	68,908	41,406	47,381	35,445	--	--	486	208
West Virginia	1,715	1,734	-1.1%	NM	341	1,422	1,366	--	--	34	27
East South Central	507,857	354,821	43.0%	275,667	194,315	223,948	153,102	461	400	7,781	7,005
Alabama	252,722	186,636	35.0%	66,933	62,271	180,319	119,615	--	--	5,470	4,751
Kentucky	24,759	10,987	125.0%	21,316	9,174	2,518	870	--	--	925	943
Mississippi	196,186	139,092	41.0%	153,759	105,334	41,111	32,617	NM	NM	1,247	1,077
Tennessee	34,189	18,107	89.0%	33,658	17,537	--	--	392	336	139	234
West South Central	1,565,714	1,376,480	14.0%	503,612	459,673	806,886	670,210	1,996	1,920	253,219	244,677
Arkansas	79,487	58,639	36.0%	16,597	15,658	62,175	42,255	NM	NM	707	721
Louisiana	292,735	276,121	6.0%	137,049	138,860	48,621	29,917	NM	149	106,905	107,195
Oklahoma	207,145	163,251	27.0%	147,281	125,594	59,330	37,235	132	95	402	327
Texas	986,347	878,469	12.0%	202,685	179,561	636,760	560,803	1,698	1,671	145,204	136,434
Mountain	374,162	298,651	25.0%	226,163	169,367	142,462	124,628	1,189	1,140	4,347	3,516
Arizona	134,798	91,267	48.0%	65,113	38,253	69,287	52,664	357	332	NM	NM
Colorado	51,659	49,734	3.9%	29,508	23,415	22,016	26,195	17	28	NM	NM
Idaho	6,944	3,089	125.0%	2,589	1,077	4,113	1,703	--	--	242	309
Montana	NM	NM	NM	NM	NM	NM	NM	--	--	NM	NM
Nevada	104,232	88,893	17.0%	75,620	61,285	27,222	26,394	340	NM	1,050	888
New Mexico	43,161	41,309	4.5%	27,338	25,684	15,323	15,165	475	454	NM	NM
Utah	30,607	22,347	37.0%	25,113	19,223	4,097	2,324	NM	NM	1,396	799
Wyoming	2,134	1,743	22.0%	NM	NM	NM	NM	--	--	1,470	1,397
Pacific Contiguous	526,705	349,072	51.0%	174,849	107,619	304,516	192,694	5,331	8,717	42,009	40,041
California	468,012	319,690	46.0%	146,633	97,260	274,582	174,103	5,268	8,682	41,529	39,645
Oregon	39,315	19,664	100.0%	12,118	3,782	26,929	15,666	--	--	269	217
Washington	19,378	9,717	99.0%	16,097	6,577	3,005	2,925	64	35	212	179
Pacific Noncontiguous	23,158	22,543	2.7%	22,683	22,174	--	--	NM	NM	NM	364
Alaska	23,158	22,543	2.7%	22,683	22,174	--	--	NM	NM	NM	364
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	5,668,083	4,416,176	28.0%	2,455,849	1,904,734	2,846,073	2,163,307	21,624	21,952	344,536	326,183

\* = 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 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 difference 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 2012 - July 2012**

Period	Electric Power Sector			Electric Utilities			Independent Power Producers		
	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
<b>End of Year Totals</b>									
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	175,100	35,260	470	141,244	25,646	404	33,856	9,614	66
<b>2010</b>									
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
September	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
<b>2011</b>									
January	164,840	35,117	801	134,008	24,560	657	30,832	10,557	144
February	161,439	34,664	707	131,081	24,370	594	30,358	10,294	113
March	166,737	34,329	489	134,394	24,265	437	32,344	10,064	53
April	173,999	33,941	522	139,965	24,082	463	34,033	9,859	59
May	174,619	33,877	548	139,331	24,104	490	35,288	9,773	58
June	165,707	35,699	491	132,882	25,872	433	32,825	9,827	58
July	147,967	35,202	462	119,631	25,544	411	28,336	9,658	50
August	139,225	34,968	435	112,793	25,294	379	26,432	9,674	56
September	144,438	34,938	389	117,648	25,232	333	26,790	9,706	57
October	156,906	35,537	413	127,522	25,639	347	29,384	9,898	66
November	168,354	35,657	453	136,123	25,839	391	32,231	9,818	62
December	175,100	35,260	470	141,244	25,646	404	33,856	9,614	66
<b>2012</b>									
January	181,621	35,145	394	145,676	25,661	324	35,945	9,483	70
February	186,958	34,963	357	151,380	25,486	293	35,578	9,477	64
March	196,391	35,046	405	158,066	25,644	351	38,325	9,403	54
April	203,394	34,855	368	164,070	25,552	332	39,324	9,303	36
May	202,816	34,472	301	163,656	25,227	270	39,160	9,245	31
June	198,422	34,155	346	159,840	25,128	287	38,582	9,027	59
July	184,586	34,076	474	150,200	25,256	216	34,386	8,820	258

Notes: See Glossary for definitions. Prior to 2008, values represent December end-of-month stocks. For 2008 forward, values represent end-of-month stocks. Values for 2010 and prior years are final. Values for 2011 and 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 July 2012 and 2011**

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	July 2012	July 2011	Percent Change	July 2012	July 2011	Percent Change	July 2012	July 2011	Percent Change
New England	1,108	956	16.0%	2,418	2,899	-17.0%	--	--	--
Connecticut	W	W	W	943	1,046	-9.9%	--	--	--
Maine	--	--	--	W	W	W	--	--	--
Massachusetts	588	551	6.7%	1,058	W	W	--	--	--
New Hampshire	W	W	W	W	W	W	--	--	--
Rhode Island	--	--	--	W	26	W	--	--	--
Vermont	--	--	--	54	54	1.8%	--	--	--
Middle Atlantic	7,128	5,889	21.0%	5,992	6,551	-8.5%	W	W	W
New Jersey	763	495	54.0%	1,085	1,111	-2.4%	--	--	--
New York	476	499	-4.6%	3,862	4,207	-8.2%	--	W	W
Pennsylvania	5,890	4,895	20.0%	1,045	1,232	-15.0%	W	W	W
East North Central	37,166	31,383	18.0%	1,453	1,930	-25.0%	W	W	W
Illinois	8,425	6,708	26.0%	124	154	-20.0%	--	--	--
Indiana	9,502	7,500	27.0%	114	108	5.2%	--	--	--
Michigan	6,410	5,892	8.8%	663	931	-29.0%	W	W	W
Ohio	7,237	6,015	20.0%	317	458	-31.0%	W	--	W
Wisconsin	5,593	5,268	6.2%	235	279	-16.0%	W	W	W
West North Central	30,601	23,623	30.0%	1,233	1,393	-11.0%	--	W	W
Iowa	8,018	6,297	27.0%	167	170	-1.5%	--	W	W
Kansas	4,392	3,121	41.0%	234	333	-30.0%	--	W	W
Minnesota	W	W	W	170	218	-22.0%	--	--	--
Missouri	9,758	6,608	48.0%	327	321	1.8%	--	--	--
Nebraska	3,817	3,792	0.7%	201	212	-4.9%	--	--	--
North Dakota	1,570	1,449	8.4%	39	40	-1.4%	--	--	--
South Dakota	W	W	W	94	99	-4.7%	--	--	--
South Atlantic	36,776	27,046	36.0%	14,295	13,777	3.8%	W	W	W
Delaware	W	W	W	382	353	8.2%	--	--	--
District of Columbia	--	--	--	--	W	W	--	--	--
Florida	5,958	4,649	28.0%	7,970	7,578	5.2%	W	W	W
Georgia	8,919	4,604	94.0%	950	854	11.0%	--	--	--
Maryland	1,443	1,283	12.0%	742	812	-8.6%	--	--	--
North Carolina	6,281	4,499	40.0%	1,068	940	14.0%	--	--	--
South Carolina	6,491	6,275	3.4%	642	646	-0.5%	W	W	W
Virginia	W	W	W	2,391	2,401	-0.4%	--	--	--
West Virginia	5,842	4,136	41.0%	147	W	W	W	W	W
East South Central	18,790	13,727	37.0%	1,928	2,062	-6.5%	W	W	W
Alabama	6,120	3,825	60.0%	297	269	10.0%	--	--	--
Kentucky	7,473	6,084	23.0%	275	273	0.7%	W	W	W
Mississippi	1,753	846	107.0%	561	775	-28.0%	--	--	--
Tennessee	3,444	2,971	16.0%	795	745	6.6%	--	--	--
West South Central	28,769	22,769	26.0%	2,511	2,934	-14.0%	126	W	W
Arkansas	3,884	3,457	12.0%	171	166	3.3%	--	--	--
Louisiana	4,078	2,200	85.0%	676	787	-14.0%	W	W	W
Oklahoma	4,492	3,965	13.0%	201	189	6.8%	--	--	--
Texas	16,315	13,147	24.0%	1,462	1,793	-18.0%	W	--	W
Mountain	21,304	19,998	6.5%	724	680	6.5%	W	W	W
Arizona	3,846	3,424	12.0%	229	234	-2.3%	--	--	--
Colorado	3,938	3,813	3.3%	NM	136	NM	--	--	--
Idaho	--	--	--	W	W	W	--	--	--
Montana	1,168	W	W	W	W	W	W	W	W
Nevada	W	W	W	180	182	-1.1%	--	--	--
New Mexico	W	W	W	NM	43	NM	--	--	--
Utah	4,588	5,120	-10.0%	NM	41	NM	--	--	--
Wyoming	4,890	3,976	23.0%	35	32	11.0%	--	--	--
Pacific Contiguous	W	W	W	403	444	-9.1%	W	6	W
California	120	W	W	215	212	1.1%	W	6	W
Oregon	W	W	W	W	W	W	--	--	--
Washington	W	W	W	W	W	W	--	--	--
Pacific Noncontiguous	W	W	W	3,118	2,532	23.0%	--	--	--
Alaska	W	W	W	292	303	-3.7%	--	--	--
Hawaii	W	W	W	2,826	2,229	27.0%	--	--	--
U.S. Total	184,586	147,967	25.0%	34,076	35,202	-3.2%	474	462	2.7%

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

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

Notes: □ See Glossary for definitions. □ Values are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.  
□ Negative generation denotes that electric power consumed for plant use exceeds gross generation. □ Totals may not equal sum of components because of independent rounding. □ Percentage difference 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 Division, July 2012 and 2011**

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
<b>Coal (Thousand Tons)</b>							
New England	1,108	956	15.9%	W	W	W	W
Middle Atlantic	7,128	5,889	21.0%	W	--	W	5,889
East North Central	37,166	31,383	18.4%	28,156	24,177	9,010	7,206
West North Central	30,601	23,623	29.5%	30,601	23,623	--	--
South Atlantic	36,776	27,046	36.0%	33,539	23,956	3,236	3,091
East South Central	18,790	13,727	36.9%	18,790	13,727	--	--
West South Central	28,769	22,769	26.4%	17,450	14,191	11,319	8,578
Mountain	21,304	19,998	6.5%	19,985	18,946	1,318	1,051
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
<b>U.S. Total</b>	<b>184,586</b>	<b>147,967</b>	<b>24.7%</b>	<b>150,200</b>	<b>119,631</b>	<b>34,386</b>	<b>28,336</b>
<b>Petroleum Liquids (Thousand Barrels)</b>							
New England	2,418	2,899	-16.6%	471	745	1,947	2,154
Middle Atlantic	5,992	6,551	-8.5%	2,437	2,692	3,556	3,859
East North Central	1,453	1,930	-24.7%	W	1,616	W	314
West North Central	1,233	1,393	-11.5%	1,202	1,355	31	38
South Atlantic	14,295	13,777	3.8%	12,051	11,436	2,244	2,341
East South Central	1,928	2,062	-6.5%	W	W	W	W
West South Central	2,511	2,934	-14.4%	W	2,203	W	732
Mountain	724	680	6.5%	W	622	W	58
Pacific Contiguous	403	444	-9.1%	W	W	W	W
Pacific Noncontiguous	3,118	2,532	23.1%	W	W	W	W
<b>U.S. Total</b>	<b>34,076</b>	<b>35,202</b>	<b>-3.2%</b>	<b>25,256</b>	<b>25,544</b>	<b>8,820</b>	<b>9,658</b>
<b>Petroleum Coke (Thousand Tons)</b>							
New England	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
East North Central	W	W	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	126	W	W	W	W	W	--
Mountain	W	W	W	--	--	W	W
Pacific Contiguous	W	6	W	--	--	W	6
Pacific Noncontiguous	--	--	--	--	--	--	--
<b>U.S. Total</b>	<b>474</b>	<b>462</b>	<b>2.7%</b>	<b>216</b>	<b>411</b>	<b>258</b>	<b>50</b>

W = Withheld to avoid disclosure of individual company data.

Notes: See Glossary for definitions.

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

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

..... Percentage difference 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 2012 - July 2012**

Period	Electric Power Sector			Total
	Bituminous Coal	Subbituminous Coal	Lignite Coal	
<b>Annual Totals</b>				
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
<b>2009</b>				
January	62,096	89,016	4,963	156,075
February	65,290	90,218	5,092	160,601
March	76,214	92,447	5,562	174,223
April	83,917	96,067	5,806	185,790
May	89,418	99,637	6,048	195,103
June	90,862	98,761	6,033	195,656
July	89,578	97,889	6,096	193,563
August	89,181	96,568	5,783	191,532
September	93,208	98,206	5,794	197,208
October	95,788	98,254	5,434	199,477
November	98,281	100,194	5,290	203,765
December	91,922	92,448	5,097	189,467
<b>2010</b>				
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
September	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
<b>2011</b>				
January	76,283	82,187	6,370	164,840
February	75,717	79,301	6,422	161,439
March	77,599	82,627	6,512	166,737
April	79,922	87,290	6,787	173,999
May	79,272	88,600	6,746	174,619
June	75,013	84,127	6,567	165,707
July	66,554	75,142	6,271	147,967
August	64,562	68,447	6,215	139,225
September	66,674	71,576	6,187	144,438
October	74,046	76,650	6,210	156,906
November	79,578	82,038	6,738	168,354
December	82,272	86,092	6,736	175,100
<b>2012</b>				
January	83,798	91,286	6,536	181,621
February	87,557	94,665	4,737	186,958
March	90,278	99,884	6,230	196,391
April	94,268	104,125	5,002	203,394
May	93,922	103,665	5,228	202,816
June	92,300	100,939	5,183	198,422
July	83,693	95,944	4,948	184,586

Notes: See Glossary for definitions. Prior to 2008, values represent December end-of-month stocks. For 2008 forward, values represent end-of-month stocks.

Values for 2010 and prior years are final. Values for 2011 and 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-July 2012**

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)		
<b>Annual Totals</b>												
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	10.26	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	18,471,837	945,581	2.40	46.79	1.2	99.0	206,361	34,342	20.10	120.75	0.6	113.5
<b>2010</b>												
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
September	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
<b>2011</b>												
January	1,599,921	81,889	2.33	45.52	1.2	88.8	21,626	3,590	16.73	100.76	0.7	99.7
February	1,450,687	73,674	2.36	46.42	1.2	97.8	15,232	2,550	18.12	108.23	0.6	111.3
March	1,560,696	80,229	2.34	45.58	1.2	108.1	18,010	2,984	19.64	118.52	0.6	124.7
April	1,450,913	74,238	2.39	46.66	1.2	108.2	17,260	2,856	20.37	123.10	0.4	104.6
May	1,467,151	74,551	2.44	47.99	1.2	98.9	21,896	3,573	19.30	118.25	0.8	142.1
June	1,487,118	75,686	2.42	47.45	1.2	88.1	18,586	3,096	20.83	125.01	0.7	116.7
July	1,505,189	76,804	2.45	47.92	1.2	79.9	16,346	2,735	21.40	127.87	0.5	86.8
August	1,663,089	84,453	2.48	48.74	1.2	89.9	14,038	2,338	20.80	124.91	0.5	92.1
September	1,609,708	82,588	2.44	47.54	1.2	105.4	13,899	2,313	21.57	129.58	0.6	106.6
October	1,605,757	82,272	2.39	46.66	1.2	115.4	18,627	3,089	21.01	126.71	0.5	148.9
November	1,521,645	78,646	2.37	45.89	1.2	114.8	16,145	2,735	21.19	125.04	0.5	137.2
December	1,549,964	80,550	2.35	45.16	1.2	107.4	14,695	2,481	21.72	128.65	0.6	116.0
<b>2012</b>												
January	1,508,019	78,486	2.43	46.66	1.2	108.3	14,704	2,466	21.92	130.70	0.5	113.9
February	1,360,504	70,073	2.39	46.45	1.3	108.7	10,792	1,815	22.44	133.39	0.5	107.0
March	1,292,128	66,465	2.40	46.71	1.3	112.2	11,688	1,940	22.41	135.02	0.5	109.0
April	1,186,837	60,257	2.44	48.09	1.3	113.6	9,778	1,647	23.85	141.64	0.5	89.1
May	1,262,874	64,678	2.44	47.57	1.3	100.1	NM	NM	22.97	135.76	0.5	95.1
June	1,308,278	67,615	2.38	46.11	1.3	92.3	14,560	2,428	22.04	132.15	0.5	96.7
July	1,415,106	73,363	2.42	46.66	1.2	83.1	14,627	2,436	20.60	123.68	0.5	85.4
<b>Year to Date</b>												
2010	10,982,516	556,743	2.27	44.77	1.2	95.0	162,492	26,806	13.60	82.43	0.5	97.0
2011	10,521,674	537,072	2.39	46.77	1.2	94.6	128,956	21,386	19.41	117.02	0.6	110.6
2012	9,333,747	480,936	2.41	46.86	1.3	101.2	87,617	14,672	22.20	132.58	0.5	98.5
<b>Rolling 12 Months Ending in July</b>												
2011	18,828,819	960,247	2.34	45.82	1.2	98.7	241,523	40,052	17.52	105.47	0.6	112.6
2012	17,283,910	889,445	2.41	46.85	1.2	104.2	NM	NM	21.88	130.60	0.5	108.1

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 2010 and prior years are final. Values for 2011 and 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-July 2012 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)		(dollars per MMBtu)
<b>Annual Totals</b>												
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	9.02	9.26	102.5	4.11
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	147,713	5,163	2.80	80.14	5.1	91.1	9,220,328	9,025,066	4.71	4.81	103.7	3.29
<b>2010</b>												
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	5.19	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
September	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
<b>2011</b>												
January	12,345	434	2.92	83.17	5.2	72.1	680,488	666,326	5.35	5.47	104.2	3.36
February	9,773	342	2.67	76.31	5.3	69.8	608,072	594,661	5.06	5.18	104.7	3.26
March	9,917	345	2.94	84.61	5.4	60.2	609,858	597,039	4.61	4.71	104.7	3.12
April	10,668	372	2.99	85.60	5.0	91.2	654,807	641,423	4.85	4.95	104.4	3.29
May	11,707	411	3.22	91.87	4.9	94.7	709,158	695,061	4.85	4.95	103.6	3.38
June	11,571	403	2.57	73.93	5.0	84.8	836,652	819,698	5.03	5.13	103.2	3.49
July	16,515	575	3.14	90.16	4.9	101.7	1,081,096	1,057,904	4.96	5.07	102.0	3.61
August	14,651	512	2.95	84.36	5.2	102.9	1,073,074	1,049,997	4.72	4.82	103.0	3.44
September	13,919	486	2.79	79.99	5.2	104.5	826,622	807,829	4.54	4.65	104.0	3.26
October	12,540	437	2.80	80.29	5.2	112.4	710,254	694,917	4.32	4.41	104.3	3.12
November	11,514	401	2.18	62.59	5.2	112.0	676,445	662,294	4.08	4.17	104.2	3.03
December	12,592	445	2.29	64.90	5.1	108.9	753,801	737,917	4.00	4.09	103.4	3.00
<b>2012</b>												
January	11,517	404	2.26	64.59	5.1	82.9	789,527	773,216	3.67	3.75	102.7	2.97
February	8,695	300	2.01	58.30	5.2	77.4	778,554	761,871	3.32	3.39	102.5	2.83
March	10,216	357	1.86	53.27	5.6	96.0	811,756	794,432	2.96	3.02	102.5	2.72
April	8,990	313	2.09	59.90	5.3	102.6	859,752	838,979	2.74	2.81	103.1	2.66
May	8,008	281	2.15	61.11	5.5	83.2	957,758	937,894	2.90	2.96	102.6	2.74
June	8,782	304	2.14	61.81	5.8	98.4	1,029,526	1,006,488	3.08	3.16	102.4	2.81
July	8,210	287	2.56	73.13	5.8	73.6	1,248,179	1,219,703	3.41	3.49	102.1	2.98
<b>Year to Date</b>												
2010	97,094	3,415	2.10	59.60	4.8	92.3	4,959,796	4,850,742	5.39	5.51	102.1	3.34
2011	82,496	2,882	2.94	84.19	5.1	81.2	5,180,132	5,072,111	4.97	5.07	103.6	3.37
2012	64,419	2,247	2.15	61.57	5.5	86.8	6,475,052	6,332,584	3.16	3.23	102.5	2.82
<b>Rolling 12 Months Ending in July</b>												
2011	154,909	5,430	2.75	78.50	5.0	92.9	9,087,732	8,894,439	4.85	4.95	103.1	3.27
2012	129,636	4,529	2.34	67.02	5.3	96.2	10,515,248	10,285,538	3.65	3.73	103.1	2.96

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 2010 and prior years are final. Values for 2011 and 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 4.2 Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities 2002-July 2012**

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)		
<b>Annual Totals</b>												
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	13,289,473	671,409	2.41	47.65	1.2	97.5	137,787	22,786	20.41	123.39	0.5	111.3
<b>2010</b>												
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
September	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
<b>2011</b>												
January	1,137,553	57,479	2.34	46.38	1.1	87.1	13,522	2,239	16.87	101.92	0.5	105.7
February	1,040,760	52,278	2.36	46.97	1.2	96.2	9,657	1,609	18.31	109.89	0.5	104.8
March	1,124,121	57,092	2.34	46.15	1.1	105.7	13,497	2,224	19.60	118.89	0.5	131.3
April	1,046,605	52,928	2.40	47.36	1.1	107.1	11,494	1,889	20.37	123.95	0.4	92.7
May	1,058,900	53,332	2.45	48.59	1.2	97.0	16,184	2,620	19.10	117.95	0.8	143.0
June	1,084,836	54,550	2.40	47.66	1.2	87.1	13,097	2,165	21.04	127.28	0.7	123.2
July	1,091,861	54,810	2.45	48.90	1.2	78.5	9,105	1,511	21.89	131.92	0.5	80.5
August	1,194,057	59,731	2.49	49.86	1.2	87.8	9,170	1,512	22.80	138.23	0.4	85.9
September	1,159,586	58,455	2.47	48.91	1.2	104.8	9,799	1,619	21.84	132.19	0.5	108.1
October	1,147,391	57,939	2.42	47.91	1.2	114.5	12,447	2,066	21.63	130.32	0.5	142.4
November	1,081,223	55,161	2.39	46.84	1.2	113.1	10,590	1,774	21.72	129.64	0.5	123.6
December	1,122,579	57,654	2.37	46.14	1.1	106.7	9,224	1,558	21.89	129.60	0.5	105.7
<b>2012</b>												
January	1,069,923	55,185	2.39	46.31	1.1	105.5	9,593	1,605	21.87	130.76	0.5	106.3
February	986,331	50,474	2.40	46.97	1.2	107.7	7,074	1,187	22.43	133.69	0.4	96.6
March	943,528	48,244	2.43	47.51	1.2	111.0	8,899	1,467	23.09	140.13	0.5	111.4
April	864,766	43,380	2.49	49.71	1.3	109.3	6,976	1,170	24.04	143.35	0.5	85.6
May	917,798	46,346	2.46	48.77	1.3	98.6	7,323	1,239	23.46	138.68	0.5	87.7
June	943,306	48,102	2.42	47.46	1.2	89.5	10,183	1,686	22.46	135.65	0.5	98.4
July	1,039,998	53,094	2.44	47.78	1.2	82.4	10,436	1,724	20.76	125.68	0.4	85.1
<b>Year to Date</b>												
2010	8,122,088	406,433	2.27	45.34	1.1	95.8	112,971	18,463	13.53	82.81	0.5	96.2
2011	7,584,636	382,470	2.39	47.41	1.2	93.0	86,557	14,257	19.50	118.36	0.6	111.0
2012	6,765,650	344,824	2.43	47.72	1.2	99.2	60,484	10,077	22.47	134.85	0.5	95.3
<b>Rolling 12 Months Ending in July</b>												
2011	13,689,542	689,131	2.34	46.54	1.1	98.4	163,376	26,893	17.60	106.62	0.5	113.3
2012	12,470,487	633,763	2.43	47.85	1.2	102.6	111,714	18,606	22.33	133.99	0.5	103.1

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 2010 and prior years are final. Values for 2011 and 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 4.2 Receipts Average Cost and Quality of Fossil Fuels: Electric Utilities 2002-July 2012 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)		(dollars per MMBtu)
<b>Annual Totals</b>												
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	1.54
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	2.12	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	90,955	3,171	2.91	83.38	5.2	100.0	3,488,532	3,426,360	5.01	5.10	101.4	3.09
<b>2010</b>												
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
September	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	4.74	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
<b>2011</b>												
January	7,843	275	3.08	87.85	5.3	70.0	242,440	237,993	5.50	5.60	102.1	3.03
February	6,172	216	2.92	83.55	5.4	83.1	213,523	209,352	5.34	5.45	103.0	2.98
March	5,962	207	3.26	94.02	5.7	67.7	219,104	215,125	4.95	5.04	101.6	2.94
April	6,570	229	3.31	94.98	5.2	117.1	250,040	246,002	5.19	5.28	103.0	3.09
May	6,525	228	3.56	101.82	5.0	114.7	273,638	269,180	5.17	5.26	101.3	3.20
June	7,186	249	2.66	76.57	5.1	91.3	337,272	331,306	5.28	5.38	101.3	3.24
July	10,212	356	3.22	92.30	4.8	104.1	436,190	427,506	5.12	5.22	100.6	3.32
August	9,132	319	3.08	88.27	5.3	106.5	427,489	418,891	4.97	5.08	100.7	3.26
September	8,697	303	2.79	79.91	5.1	102.6	311,141	306,346	4.89	4.97	101.1	3.10
October	8,093	280	2.82	81.28	5.1	127.2	268,114	263,244	4.72	4.80	100.9	3.02
November	7,320	253	2.11	60.84	5.2	162.9	241,920	238,003	4.51	4.58	101.1	2.92
December	7,243	255	2.11	59.82	5.1	109.0	267,660	263,413	4.39	4.46	102.1	2.88
<b>2012</b>												
January	6,150	214	2.20	63.16	4.8	83.6	287,015	282,460	4.05	4.12	100.4	2.87
February	5,209	179	2.09	60.72	5.2	93.4	282,804	278,125	3.71	3.77	101.7	2.80
March	5,570	194	1.93	55.33	5.8	180.8	304,694	299,484	3.37	3.43	101.4	2.80
April	4,882	169	1.97	57.05	5.1	140.2	336,198	327,661	3.10	3.18	101.1	2.78
May	3,867	134	2.03	58.61	5.4	95.5	391,411	383,704	3.25	3.32	101.6	2.81
June	4,274	148	2.09	60.29	5.9	114.0	418,569	410,178	3.40	3.47	101.0	2.87
July	3,456	120	2.02	58.44	5.8	68.6	517,480	506,450	3.63	3.71	101.8	2.95
<b>Year to Date</b>												
2010	58,947	2,076	2.20	62.52	5.1	102.7	1,899,382	1,861,328	5.72	5.84	101.2	3.04
2011	50,470	1,760	3.14	90.09	5.2	89.5	1,972,207	1,936,464	5.21	5.31	101.7	3.12
2012	33,409	1,159	2.05	59.20	5.4	103.4	2,538,172	2,488,062	3.49	3.56	101.3	2.85
<b>Rolling 12 Months Ending in July</b>												
2011	94,674	3,312	2.91	83.25	5.1	103.3	3,468,787	3,403,055	5.15	5.25	101.5	3.04
2012	73,894	2,569	2.27	65.31	5.3	115.4	4,054,497	3,977,958	4.00	4.07	101.2	2.92

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 2010 and prior years are final. Values for 2011 and 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 4.3 Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers 2002-July 2012**

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)		
<b>Annual Totals</b>												
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	4,702,024	251,937	2.30	42.99	1.3	104.9	41,499	7,033	20.25	119.48	0.5	107.2
<b>2010</b>												
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
September	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
<b>2011</b>												
January	418,692	22,383	2.23	41.80	1.3	94.6	4,770	798	17.39	103.95	0.6	73.2
February	371,407	19,633	2.29	43.38	1.3	104.4	3,198	544	18.54	109.08	0.8	118.0
March	398,216	21,356	2.29	42.73	1.3	118.6	2,235	381	21.28	124.77	0.6	91.2
April	365,593	19,513	2.30	43.18	1.3	112.6	3,345	566	21.41	126.62	0.3	146.8
May	371,147	19,503	2.36	44.82	1.4	107.6	2,952	498	21.50	127.57	0.6	112.0
June	361,607	19,273	2.40	44.98	1.3	91.5	3,441	585	20.82	122.46	0.5	91.7
July	375,093	20,228	2.36	43.81	1.3	84.5	5,380	911	21.13	124.72	0.4	89.1
August	424,393	22,677	2.36	44.16	1.3	96.0	2,884	493	16.58	97.03	0.5	91.6
September	410,107	22,261	2.32	42.69	1.3	109.4	2,412	411	22.22	130.37	0.6	99.1
October	419,814	22,538	2.26	42.07	1.3	121.9	3,976	655	20.15	122.35	0.5	185.4
November	400,339	21,634	2.26	41.83	1.3	121.6	3,445	606	20.69	117.68	0.4	170.6
December	385,614	20,939	2.22	40.86	1.3	110.6	3,461	586	22.32	131.80	0.5	132.9
<b>2012</b>												
January	398,502	21,461	2.47	45.93	1.4	119.7	3,181	536	22.67	134.45	0.4	125.8
February	335,421	17,601	2.31	44.11	1.5	112.9	2,051	348	23.63	139.13	0.5	117.3
March	313,397	16,581	2.25	42.57	1.4	120.7	1,165	198	24.24	142.69	0.5	76.3
April	286,108	15,226	2.18	41.03	1.4	130.7	1,564	268	24.98	145.94	0.5	92.5
May	308,902	16,673	2.26	41.83	1.4	105.4	2,232	380	23.47	137.91	0.4	83.5
June	328,543	17,847	2.18	40.18	1.6	100.5	2,894	490	21.63	127.75	0.5	81.9
July	337,795	18,536	2.29	41.74	1.3	84.3	2,667	455	20.90	122.52	0.5	71.1
<b>Year to Date</b>												
2010	2,568,846	136,987	2.21	41.52	1.2	93.8	28,160	4,783	14.35	84.50	0.4	85.6
2011	2,661,756	141,889	2.32	43.48	1.3	100.7	25,321	4,282	20.15	119.14	0.5	96.0
2012	2,308,669	123,924	2.29	42.61	1.4	108.3	15,755	2,675	22.76	134.05	0.5	90.2
<b>Rolling 12 Months Ending in July</b>												
2011	4,648,808	248,487	2.26	42.34	1.3	101.2	46,759	7,919	18.24	107.62	0.4	103.0
2012	4,348,937	233,973	2.28	42.42	1.4	111.1	31,933	5,426	21.96	129.14	0.5	110.7

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 2010 and prior years are final. Values for 2011 and 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 4.3 Receipts Average Cost and Quality of Fossil Fuels: Independent Power Producers 2002-July 2012 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)		(dollars per MMBtu)
<b>Annual Totals</b>												
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	2.37
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	8.94	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	3.19
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	21,641	753	1.78	51.02	4.4	61.6	4,364,318	4,267,688	4.59	4.70	101.0	3.48
<b>2010</b>												
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
September	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
<b>2011</b>												
January	1,463	51	1.79	51.52	4.2	47.6	319,075	312,262	5.54	5.66	101.0	3.75
February	1,357	47	1.53	44.11	4.3	41.2	289,373	282,841	5.03	5.15	101.4	3.56
March	1,490	51	1.70	49.17	3.7	35.3	279,499	273,528	4.54	4.64	101.0	3.28
April	1,955	68	1.87	53.87	3.9	70.6	295,782	289,214	4.71	4.81	100.8	3.47
May	2,823	99	2.24	63.84	4.4	92.2	321,800	315,028	4.69	4.79	100.9	3.51
June	1,823	63	1.60	45.97	4.2	62.9	390,133	381,919	4.92	5.03	101.0	3.78
July	2,183	76	1.96	56.70	4.3	62.9	528,025	516,435	4.91	5.02	99.9	3.95
August	2,027	70	1.71	49.18	4.5	70.0	523,849	512,572	4.55	4.65	101.0	3.61
September	1,687	58	1.83	52.80	4.4	69.5	399,972	390,567	4.37	4.48	101.9	3.39
October	1,613	56	1.79	51.75	4.9	74.6	332,097	324,520	4.10	4.20	102.2	3.16
November	1,453	50	1.35	38.85	5.2	58.5	318,812	311,476	3.89	3.98	101.2	3.06
December	1,766	62	1.48	41.72	4.7	73.2	365,902	357,323	3.82	3.92	100.9	3.09
<b>2012</b>												
January	1,730	60	1.41	40.39	5.0	70.1	381,726	372,985	3.50	3.58	100.8	3.05
February	1,331	46	1.23	35.48	4.6	56.3	383,092	373,954	3.13	3.21	99.5	2.81
March	1,620	56	NM	NM	5.1	54.0	391,353	382,158	2.72	2.78	99.4	2.54
April	NM	NM	NM	NM	5.3	70.8	412,327	402,984	2.52	2.58	100.8	2.43
May	759	26	NM	NM	5.5	45.3	452,603	442,289	2.69	2.76	100.3	2.58
June	1,337	46	1.56	45.75	5.4	87.7	491,416	479,863	2.90	2.97	100.5	2.68
July	2,508	88	W	W	5.4	134.5	605,992	592,056	3.30	3.38	100.2	W
<b>Year to Date</b>												
2010	19,390	675	1.61	46.24	3.7	71.1	2,337,556	2,285,527	5.24	5.36	100.4	3.71
2011	13,095	455	1.86	53.61	4.2	57.5	2,423,686	2,371,228	4.91	5.02	100.8	3.63
2012	10,156	353	1.80	51.86	5.2	71.9	3,118,509	3,046,290	2.98	3.05	100.2	2.74
<b>Rolling 12 Months Ending in July</b>												
2011	23,784	831	1.89	54.20	4.1	65.6	4,298,740	4,204,804	4.75	4.86	100.8	3.52
2012	NM	NM	W	W	5.0	72.0	5,059,141	4,942,750	3.46	3.54	100.7	W

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 2010 and prior years are final. Values for 2011 and 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 4.4 Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector 2002-July 2012**

Period	Coal						Petroleum Liquids						
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)			
<b>Annual Totals</b>													
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	33,996	1,595	2.87	61.14	1.8	97.7	1,927	326	21.44	126.87	0.5	130.3	
<b>2010</b>													
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	
September	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	
<b>2011</b>													
January	3,222	151	2.76	58.88	1.9	84.9	NM	NM	18.76	110.99	0.6	81.6	
February	3,208	150	2.84	60.83	1.8	90.9	NM	NM	20.20	118.50	0.5	152.0	
March	3,165	151	2.72	57.12	1.7	95.6	NM	NM	21.81	129.01	0.5	128.0	
April	2,485	119	2.73	57.18	1.9	95.6	NM	NM	21.89	131.54	0.3	158.1	
May	2,568	119	3.05	65.81	1.7	93.3	NM	NM	21.15	128.06	0.7	175.2	
June	3,110	142	3.21	70.15	1.8	115.1	NM	NM	22.04	130.88	0.6	123.2	
July	2,602	120	2.93	63.33	1.9	89.6	NM	NM	22.66	134.04	0.5	81.8	
August	2,709	124	3.05	66.80	1.9	99.6	NM	NM	21.10	124.09	0.5	129.9	
September	2,447	114	2.92	62.89	1.8	93.7	NM	NM	21.91	129.16	0.5	147.1	
October	2,601	127	2.68	54.78	1.5	109.1	NM	NM	21.73	128.74	0.5	139.6	
November	2,862	136	2.76	57.88	1.7	110.6	NM	NM	NM	NM	0.5	222.8	
December	3,018	143	2.80	59.16	1.7	103.2	NM	NM	22.54	131.81	0.5	156.1	
<b>2012</b>													
January	2,819	136	2.76	57.45	1.8	87.9	NM	NM	22.53	132.54	0.5	112.7	
February	2,440	118	2.63	54.28	1.8	86.4	NM	NM	NM	NM	0.5	135.5	
March	2,554	125	2.66	54.41	1.7	95.5	NM	NM	NM	NM	0.5	90.5	
April	2,408	115	2.93	61.40	1.6	103.2	NM	NM	24.15	141.20	0.5	109.7	
May	NM	NM	NM	NM	1.9	92.7	NM	NM	NM	NM	0.5	95.8	
June	2,332	110	2.86	60.77	2.0	100.1	167	29	21.56	125.26	0.5	106.8	
July	2,328	111	2.77	57.97	1.9	96.6	NM	NM	21.14	124.48	0.5	80.4	
<b>Year to Date</b>													
2010	21,904	1,011	2.84	61.55	1.7	99.0	1,484	247	14.66	87.93	0.4	102.9	
2011	20,360	952	2.89	61.81	1.8	94.2	1,163	196	21.17	125.84	0.5	117.3	
2012	17,149	823	2.78	58.02	1.8	94.1	NM	NM	22.35	131.23	0.5	101.7	
<b>Rolling 12 Months Ending in July</b>													
2011	36,233	1,688	2.85	61.27	1.8	99.7	NM	NM	NM	NM	0.4	133.3	
2012	NM	NM	NM	NM	1.8	98.2	NM	NM	NM	NM	0.5	127.2	

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 2010 and prior years are final. Values for 2011 and 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 4.4 Receipts Average Cost and Quality of Fossil Fuels: Commercial Sector 2002-July 2012 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)		(dollars per MMBtu)
<b>Annual Totals</b>												
2002	--	--	--	--	--	--	18,671	18,256	3.44	3.52	24.7	2.92
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	NM	NM	5.1	102.8	81,134	79,308	5.18	5.30	105.0	4.58
2010	410	15	NM	NM	5.7	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	NM	NM	2.64	75.47	5.6	223.9	NM	NM	5.09	5.20	106.7	4.73
<b>2010</b>												
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	5.25	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
September	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
<b>2011</b>												
January	42	1	NM	NM	5.3	98.3	NM	NM	5.71	5.84	106.9	NM
February	36	1	NM	NM	5.5	105.1	NM	NM	5.57	5.70	108.0	NM
March	34	1	NM	NM	5.7	81.8	NM	NM	5.26	5.37	106.7	NM
April	NM	NM	NM	NM	5.5	--	NM	NM	5.23	5.34	105.4	4.82
May	NM	NM	NM	NM	5.8	--	NM	NM	NM	NM	105.7	NM
June	NM	NM	W	W	5.8	--	NM	NM	5.24	5.34	105.8	W
July	NM	NM	W	W	5.8	--	NM	NM	NM	NM	104.4	W
August	NM	NM	NM	NM	5.8	--	NM	NM	5.06	5.16	105.8	4.75
September	NM	NM	NM	NM	5.8	--	NM	NM	NM	NM	105.9	NM
October	NM	NM	NM	NM	5.2	--	NM	NM	NM	NM	107.1	NM
November	NM	NM	NM	NM	5.3	132.6	NM	NM	4.58	4.67	109.9	4.41
December	43	2	NM	NM	5.2	98.3	NM	NM	NM	NM	108.4	NM
<b>2012</b>												
January	46	2	NM	NM	5.1	97.9	NM	NM	4.41	4.50	104.3	NM
February	45	2	NM	NM	5.4	113.7	NM	NM	NM	NM	107.8	NM
March	36	1	NM	NM	5.7	96.3	NM	NM	NM	NM	106.1	NM
April	NM	NM	NM	NM	5.3	116.9	NM	NM	NM	NM	106.3	NM
May	--	--	--	--	--	--	NM	NM	NM	NM	105.3	NM
June	--	--	--	--	--	--	NM	NM	NM	NM	103.8	NM
July	27	1	W	W	5.8	78.9	NM	NM	NM	NM	104.4	W
<b>Year to Date</b>												
2010	208	8	2.00	55.43	5.5	152.8	49,837	48,796	5.75	5.87	105.0	5.05
2011	NM	NM	W	W	5.6	198.9	NM	NM	5.34	5.45	106.1	W
2012	156	5	W	W	5.4	97.7	NM	NM	3.75	3.83	105.3	W
<b>Rolling 12 Months Ending in July</b>												
2011	NM	NM	W	W	5.7	65.9	NM	NM	NM	NM	105.7	W
2012	NM	NM	W	W	4.6	61.2	NM	NM	NM	NM	106.2	W

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 2010 and prior years are final. Values for 2011 and 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 4.5 Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector 2002-July 2012**

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 barrels)	(dollars per MMBtu)	(dollars per barrel)		
<b>Annual Totals</b>												
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	446,344	20,639	2.98	64.38	1.4	83.5	25,147	4,198	18.04	108.08	1.1	141.1
<b>2010</b>												
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
September	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
<b>2011</b>												
January	40,454	1,876	2.90	62.55	1.3	80.9	3,152	522	14.97	90.36	1.2	146.4
February	35,312	1,613	2.94	64.45	1.4	78.9	2,214	370	16.55	99.02	1.2	133.2
March	35,194	1,630	2.88	62.12	1.4	78.1	2,113	351	18.02	108.57	1.1	135.4
April	36,230	1,679	2.98	64.35	1.4	95.0	2,276	378	18.78	113.09	0.8	128.4
May	34,536	1,596	3.01	65.07	1.4	75.1	NM	NM	NM	NM	1.2	193.3
June	37,565	1,722	3.05	66.55	1.4	83.7	1,886	319	19.24	113.78	0.9	135.3
July	35,632	1,646	3.00	64.96	1.4	74.5	1,692	284	19.46	115.85	1.3	130.3
August	41,929	1,923	3.07	66.89	1.4	88.1	1,834	307	17.41	104.15	1.1	139.5
September	37,568	1,759	2.92	62.42	1.4	83.8	1,561	262	18.80	112.19	1.0	107.7
October	35,951	1,668	3.01	64.84	1.3	80.2	2,051	343	18.90	113.07	0.9	135.5
November	37,220	1,714	3.02	65.50	1.4	93.4	1,918	323	19.04	113.21	1.1	170.7
December	38,753	1,814	2.94	62.83	1.5	94.2	1,869	314	19.76	117.80	1.2	150.9
<b>2012</b>												
January	36,774	1,705	3.07	66.16	1.5	81.1	NM	NM	20.76	123.53	1.0	145.5
February	36,312	1,879	2.79	53.97	1.4	99.4	NM	NM	20.90	124.46	1.0	165.1
March	32,649	1,515	3.07	66.05	1.4	78.9	1,566	266	17.18	101.13	1.0	138.3
April	33,555	1,537	3.27	71.34	1.6	96.7	1,153	194	21.13	125.45	0.9	108.5
May	33,906	1,551	3.31	72.35	1.6	92.3	NM	NM	NM	NM	0.9	195.2
June	34,097	1,556	3.25	71.19	1.7	94.7	1,316	224	19.76	116.34	0.9	129.8
July	34,985	1,622	3.03	65.40	1.5	93.2	1,393	235	18.79	111.23	0.9	147.3
<b>Year to Date</b>												
2010	269,677	12,313	2.76	60.52	1.3	85.2	19,877	3,313	12.82	76.94	1.0	126.2
2011	254,923	11,762	2.97	64.27	1.4	80.5	15,915	2,651	17.60	105.70	1.1	142.3
2012	242,279	11,365	3.11	66.26	1.5	90.4	NM	NM	19.85	117.68	0.9	146.0
<b>Rolling 12 Months Ending in July</b>												
2011	454,236	20,941	2.87	62.35	1.3	84.8	NM	NM	NM	NM	1.0	137.6
2012	433,700	20,243	3.06	65.75	1.5	89.7	NM	NM	NM	NM	1.0	144.5

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 2010 and prior years are final. Values for 2011 and 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 4.5 Receipts Average Cost and Quality of Fossil Fuels: Industrial Sector 2002-July 2012 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		AVG % Sulfur	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(billion Btu)	(1000 tons)	(dollars per MMBtu)	(dollars per ton)			(billion Btu)	(1000 Mcf)	(dollars per MMBtu)	(dollars per Mcf)		(dollars per MMBtu)
<b>Annual Totals</b>												
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	8.96	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	34,709	1,225	3.17	89.70	5.4	96.8	1,278,744	1,244,147	4.24	4.36	121.5	4.10
<b>2010</b>												
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
September	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
<b>2011</b>												
January	2,997	106	3.05	86.21	5.3	106.0	110,667	107,937	4.48	4.60	120.7	4.26
February	2,208	78	2.68	75.79	5.4	68.0	97,968	95,420	4.51	4.63	120.6	4.27
March	2,431	86	2.93	83.22	5.5	70.9	104,345	101,613	4.05	4.16	124.9	3.95
April	2,117	75	3.04	85.80	5.2	64.0	102,233	99,596	4.42	4.53	121.1	4.26
May	2,333	83	3.48	98.10	5.2	64.9	106,472	103,762	4.48	4.60	119.6	4.35
June	2,531	89	W	W	5.2	87.8	102,349	99,713	4.57	4.69	120.2	W
July	4,078	142	W	W	5.3	136.9	109,159	106,401	4.59	4.70	121.1	W
August	3,454	122	3.33	94.51	5.5	124.4	114,245	111,202	4.48	4.61	124.5	4.24
September	3,500	123	3.27	93.16	5.5	144.0	108,622	104,186	4.16	4.33	123.7	3.98
October	2,803	99	3.32	93.54	5.4	106.7	102,978	100,239	3.93	4.04	123.4	3.90
November	2,714	96	2.82	79.73	5.5	83.2	107,923	105,178	3.66	3.76	122.9	3.68
December	3,540	126	3.08	86.67	5.4	143.8	111,783	108,900	3.63	3.72	116.4	3.64
<b>2012</b>												
January	3,590	127	2.78	78.51	5.5	89.3	112,845	109,994	3.26	3.35	116.9	3.41
February	2,110	73	2.32	66.70	5.6	65.1	105,053	102,352	2.92	2.99	117.8	3.08
March	2,990	106	2.19	62.06	5.6	66.3	109,070	106,292	2.62	2.69	119.4	2.87
April	3,235	114	2.51	71.09	5.7	80.3	105,029	102,264	2.37	2.44	121.6	2.74
May	3,382	121	2.52	70.56	5.7	86.5	107,814	106,084	2.44	2.48	117.6	2.86
June	3,172	111	2.46	70.43	6.0	86.9	111,544	108,642	2.70	2.77	118.0	2.97
July	2,219	79	W	W	6.1	52.7	116,349	113,041	3.01	3.10	115.1	W
<b>Year to Date</b>												
2010	18,549	656	2.27	64.15	4.8	90.7	673,020	655,091	4.95	5.09	111.2	4.46
2011	18,696	659	W	W	5.3	83.8	733,192	714,443	4.44	4.56	121.1	W
2012	20,698	731	W	W	5.7	75.1	767,704	748,669	2.77	2.84	118.0	W
<b>Rolling 12 Months Ending in July</b>												
2011	NM	NM	W	W	5.2	97.2	1,226,939	1,195,269	4.34	4.46	116.3	W
2012	36,711	1,297	W	W	5.6	94.1	1,313,256	1,278,373	3.27	3.36	119.8	W

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 2010 and prior years are final. Values for 2011 and 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 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, July 2012 and 2011  
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	NM	306	NM	--	34	NM	266	--	--	NM	NM
Connecticut	--	81	-100.0%	--	--	--	81	--	--	--	--
Maine	3	3	-8.9%	--	--	1	1	--	--	1	2
Massachusetts	NM	189	NM	--	--	NM	184	--	--	NM	NM
New Hampshire	--	34	-100.0%	--	34	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,285	4,422	-26.0%	NM	NM	3,167	4,294	NM	NM	NM	124
New Jersey	145	172	-16.0%	--	--	145	172	--	--	--	--
New York	243	478	-49.0%	NM	NM	216	443	NM	NM	24	32
Pennsylvania	2,897	3,772	-23.0%	--	--	2,806	3,679	NM	NM	NM	92
East North Central	15,481	17,150	-9.7%	9,266	10,864	5,773	5,833	27	41	415	412
Illinois	5,510	5,350	3.0%	585	533	4,672	4,581	--	--	253	236
Indiana	3,286	3,570	-8.0%	2,898	3,212	362	330	18	21	NM	NM
Michigan	1,836	2,180	-16.0%	1,761	2,097	46	37	4	15	NM	NM
Ohio	3,102	3,878	-20.0%	2,374	2,957	692	885	--	--	36	36
Wisconsin	1,747	2,172	-20.0%	1,647	2,065	--	--	NM	NM	95	102
West North Central	13,106	11,932	9.8%	12,730	11,563	--	--	26	26	351	343
Iowa	2,207	2,505	-12.0%	1,982	2,299	--	--	20	NM	205	188
Kansas	1,603	1,389	15.0%	1,603	1,389	--	--	--	--	--	--
Minnesota	1,231	1,693	-27.0%	1,143	1,599	--	--	--	--	NM	94
Missouri	4,178	2,890	45.0%	4,164	2,874	--	--	6	9	NM	NM
Nebraska	1,506	1,391	8.3%	1,478	1,361	--	--	--	--	NM	NM
North Dakota	2,174	1,870	16.0%	2,152	1,846	--	--	--	--	NM	NM
South Dakota	207	194	6.6%	207	194	--	--	--	--	--	--
South Atlantic	10,071	12,091	-17.0%	7,925	9,611	1,825	2,140	NM	NM	314	330
Delaware	58	90	-36.0%	--	--	58	90	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,542	2,307	-33.0%	1,374	2,118	139	163	--	--	29	27
Georgia	2,057	2,256	-8.8%	2,019	2,208	--	--	--	--	38	48
Maryland	570	891	-36.0%	--	--	536	853	--	--	35	38
North Carolina	1,760	1,908	-7.8%	1,637	1,790	78	74	NM	NM	40	37
South Carolina	789	1,142	-31.0%	778	1,114	--	NM	--	--	10	18
Virginia	920	1,015	-9.3%	686	745	98	136	NM	NM	133	131
West Virginia	2,375	2,483	-4.3%	1,431	1,637	916	815	--	--	28	31
East South Central	8,354	8,476	-1.4%	7,749	8,025	421	264	NM	NM	180	183
Alabama	2,395	2,287	4.7%	2,354	2,248	NM	NM	--	--	34	33
Kentucky	3,269	3,232	1.1%	3,269	3,232	--	--	--	--	--	--
Mississippi	661	570	16.0%	247	313	414	257	--	--	--	--
Tennessee	2,028	2,386	-15.0%	1,878	2,232	--	--	NM	NM	146	151
West South Central	13,274	12,705	4.5%	6,811	6,380	6,407	6,272	--	--	56	NM
Arkansas	1,355	1,579	-14.0%	1,211	1,437	132	131	--	--	NM	NM
Louisiana	1,332	1,294	2.9%	739	698	593	595	--	--	NM	NM
Oklahoma	1,690	1,202	41.0%	1,547	1,078	99	82	--	--	NM	NM
Texas	8,898	8,630	3.1%	3,315	3,166	5,584	5,463	--	--	--	--
Mountain	9,508	9,139	4.0%	8,586	8,114	792	890	--	--	130	136
Arizona	1,811	1,902	-4.8%	1,776	1,869	--	--	--	--	NM	NM
Colorado	1,707	1,553	9.9%	1,688	1,535	19	NM	--	--	--	--
Idaho	NM	NM	NM	--	--	--	--	--	--	NM	NM
Montana	652	766	-15.0%	NM	NM	628	740	--	--	--	--
Nevada	353	303	17.0%	278	241	75	61	--	--	--	--
New Mexico	1,392	1,406	-1.0%	1,392	1,406	--	--	--	--	--	--
Utah	1,320	1,327	-0.5%	1,248	1,246	NM	NM	--	--	39	50
Wyoming	2,256	1,866	21.0%	2,181	1,790	NM	NM	--	--	39	37
Pacific Contiguous	111	494	-77.0%	--	191	60	250	--	--	52	53
California	104	119	-13.0%	--	--	60	76	--	--	44	44
Oregon	--	191	-100.0%	--	191	--	--	--	--	--	--
Washington	8	184	-96.0%	--	--	--	174	--	--	8	10
Pacific Noncontiguous	154	89	73.0%	NM	NM	78	NM	44	38	NM	NM
Alaska	86	83	4.1%	NM	NM	NM	NM	44	38	--	--
Hawaii	68	NM	NM	--	--	61	--	--	--	NM	NM
U.S. Total	73,363	76,804	-4.5%	53,094	54,810	18,536	20,228	111	120	1,622	1,646

\* = 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 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 difference is calculated before rounding.

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	728	2,588	-72.0%	203	592	481	1,945	--	--	45	51
Connecticut	--	265	-100.0%	--	--	--	265	--	--	--	--
Maine	26	38	-30.0%	--	--	16	23	--	--	11	14
Massachusetts	499	1,693	-71.0%	--	--	465	1,657	--	--	34	37
New Hampshire	203	592	-66.0%	203	592	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	24,896	32,092	-22.0%	NM	NM	24,109	31,175	NM	16	759	883
New Jersey	471	1,296	-64.0%	--	--	471	1,296	--	--	--	--
New York	1,129	3,572	-68.0%	NM	NM	931	3,316	NM	NM	180	233
Pennsylvania	23,296	27,224	-14.0%	--	--	22,707	26,563	NM	NM	578	650
East North Central	103,058	116,293	-11.0%	62,206	72,848	37,781	40,275	223	297	2,848	2,872
Illinois	35,408	36,478	-2.9%	3,465	3,502	30,347	31,256	20	26	1,575	1,694
Indiana	21,952	25,168	-13.0%	19,567	22,176	2,221	2,816	113	122	51	55
Michigan	12,201	15,329	-20.0%	11,864	14,895	119	103	54	111	164	221
Ohio	22,559	25,612	-12.0%	17,033	19,235	5,094	6,101	--	--	433	277
Wisconsin	10,938	13,706	-20.0%	10,278	13,042	--	--	36	38	625	626
West North Central	80,670	84,306	-4.3%	78,276	81,708	--	--	170	212	2,224	2,386
Iowa	14,238	14,939	-4.7%	12,817	13,468	--	--	131	144	1,290	1,328
Kansas	10,558	11,399	-7.4%	10,558	11,399	--	--	--	--	--	--
Minnesota	7,362	10,378	-29.0%	6,799	9,763	--	--	--	--	562	615
Missouri	25,887	25,029	3.4%	25,795	24,865	--	--	39	68	53	95
Nebraska	8,516	8,471	0.5%	8,337	8,275	--	--	--	--	179	196
North Dakota	13,190	12,963	1.8%	13,051	12,810	--	--	--	--	140	153
South Dakota	919	1,127	-19.0%	919	1,127	--	--	--	--	--	--
South Atlantic	68,723	85,039	-19.0%	55,134	67,928	11,299	14,465	NM	74	2,237	2,571
Delaware	314	368	-15.0%	--	--	314	368	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	10,503	12,650	-17.0%	9,639	11,392	668	1,047	--	--	195	210
Georgia	13,867	17,359	-20.0%	13,545	16,879	--	--	--	--	322	480
Maryland	3,467	5,710	-39.0%	--	--	3,234	5,450	--	--	233	259
North Carolina	11,630	15,995	-27.0%	10,797	15,081	531	572	NM	53	269	289
South Carolina	7,187	8,517	-16.0%	7,042	8,278	42	80	--	--	104	158
Virginia	4,118	6,931	-41.0%	2,739	4,990	454	950	NM	21	906	970
West Virginia	17,637	17,510	0.7%	11,372	11,307	6,057	5,998	--	--	208	205
East South Central	51,127	57,037	-10.0%	47,600	54,173	2,213	1,524	29	31	1,285	1,308
Alabama	14,193	16,086	-12.0%	13,918	15,782	49	53	--	--	226	252
Kentucky	22,950	23,420	-2.0%	22,950	23,420	--	--	--	--	--	--
Mississippi	3,814	3,458	10.0%	1,650	1,987	2,164	1,471	--	--	--	--
Tennessee	10,171	14,072	-28.0%	9,083	12,984	--	--	29	31	1,059	1,057
West South Central	87,809	91,383	-3.9%	46,225	47,239	40,785	43,709	--	--	799	436
Arkansas	10,233	10,294	-0.6%	8,743	8,939	1,412	1,271	--	--	78	84
Louisiana	9,505	8,737	8.8%	4,560	4,536	4,943	4,199	--	--	NM	NM
Oklahoma	11,599	11,302	2.6%	10,626	10,329	681	665	--	--	292	309
Texas	56,473	61,050	-7.5%	22,296	23,435	33,750	37,575	--	--	427	NM
Mountain	60,225	63,436	-5.1%	54,256	56,798	5,251	5,894	--	--	718	744
Arizona	13,416	13,441	-0.2%	13,186	13,204	--	--	--	--	231	237
Colorado	10,503	11,127	-5.6%	10,374	10,989	129	138	--	--	--	--
Idaho	112	121	-7.2%	--	--	--	--	--	--	112	121
Montana	4,492	5,064	-11.0%	152	166	4,340	4,897	--	--	--	--
Nevada	1,491	1,987	-25.0%	1,161	1,609	330	378	--	--	--	--
New Mexico	8,169	9,005	-9.3%	8,169	9,005	--	--	--	--	--	--
Utah	7,190	8,700	-17.0%	6,861	8,373	219	225	--	--	110	101
Wyoming	14,852	13,991	6.2%	14,354	13,451	233	255	--	--	265	285
Pacific Contiguous	2,684	3,761	-29.0%	748	991	1,526	2,304	--	--	410	465
California	768	945	-19.0%	--	--	416	539	--	--	352	406
Oregon	748	991	-25.0%	748	991	--	--	--	--	--	--
Washington	1,169	1,824	-36.0%	--	--	1,110	1,765	--	--	58	59
Pacific Noncontiguous	1,017	1,137	-11.0%	159	174	480	598	336	320	42	45
Alaska	604	613	-1.5%	159	174	NM	118	336	320	--	--
Hawaii	413	524	-21.0%	--	--	371	479	--	--	42	45
U.S. Total	480,936	537,072	-10.0%	344,824	382,470	123,924	141,889	823	952	11,365	11,762

\* = 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 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 difference 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, July 2012 and 2011  
(Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	91	399	-77.0%	NM	NM	49	335	NM	NM	NM	NM
Connecticut	12	58	-79.0%	NM	NM	12	57	--	--	NM	NM
Maine	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Massachusetts	47	267	-82.0%	NM	NM	37	257	NM	NM	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	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	--	--	--	--
Middle Atlantic	223	307	-27.0%	85	127	119	157	NM	NM	16	NM
New Jersey	13	17	-27.0%	NM	NM	10	14	NM	NM	NM	NM
New York	124	187	-34.0%	84	126	26	45	NM	NM	12	NM
Pennsylvania	85	102	-16.0%	NM	NM	83	99	NM	NM	NM	NM
East North Central	120	106	14.0%	90	81	23	17	NM	NM	NM	NM
Illinois	13	15	-13.0%	5	5	8	10	NM	NM	NM	NM
Indiana	21	31	-31.0%	19	29	NM	NM	NM	NM	2	1
Michigan	29	37	-23.0%	25	33	--	NM	NM	NM	*	1
Ohio	44	18	147.0%	28	10	15	7	--	--	2	1
Wisconsin	13	NM	NM	12	4	NM	NM	NM	NM	NM	NM
West North Central	71	57	24.0%	68	54	NM	NM	NM	NM	NM	NM
Iowa	18	11	71.0%	18	11	NM	NM	NM	NM	NM	NM
Kansas	12	NM	NM	12	NM	--	--	--	--	--	--
Minnesota	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Missouri	25	29	-13.0%	25	29	--	--	NM	NM	--	--
Nebraska	4	NM	NM	4	NM	--	--	--	--	--	--
North Dakota	NM	NM	NM	5	6	--	--	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
South Atlantic	502	487	3.2%	353	191	55	182	NM	NM	94	112
Delaware	5	9	-42.0%	NM	NM	5	8	--	--	--	--
District of Columbia	--	131	-100.0%	--	--	--	131	--	--	--	--
Florida	186	85	118.0%	162	59	NM	NM	--	--	NM	NM
Georgia	34	39	-14.0%	15	14	--	--	NM	NM	NM	25
Maryland	18	18	0.3%	NM	NM	16	14	NM	NM	NM	2
North Carolina	62	NM	NM	37	11	NM	NM	NM	NM	NM	NM
South Carolina	35	36	-3.3%	16	11	--	--	NM	NM	18	24
Virginia	124	110	12.0%	82	69	31	26	*	1	NM	NM
West Virginia	40	25	57.0%	40	25	--	--	--	--	--	--
East South Central	67	75	-11.0%	27	25	NM	NM	--	--	NM	NM
Alabama	41	51	-18.0%	6	8	NM	NM	--	--	NM	NM
Kentucky	15	13	22.0%	15	13	--	--	--	--	--	--
Mississippi	NM	NM	NM	NM	NM	--	--	--	--	NM	NM
Tennessee	NM	NM	NM	4	5	--	--	--	--	NM	NM
West South Central	28	NM	NM	14	3	10	8	NM	NM	NM	NM
Arkansas	NM	NM	NM	--	*	1	4	--	--	NM	NM
Louisiana	NM	NM	NM	3	NM	2	1	--	--	NM	NM
Oklahoma	10	NM	NM	10	1	--	--	NM	NM	NM	NM
Texas	NM	NM	NM	1	2	7	3	NM	NM	NM	NM
Mountain	28	31	-8.6%	19	25	8	5	NM	NM	NM	NM
Arizona	NM	6	NM	NM	5	--	--	NM	NM	NM	NM
Colorado	NM	NM	NM	NM	NM	--	--	--	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	7	4	69.0%	NM	NM	7	4	--	--	--	--
Nevada	4	5	-18.0%	3	4	1	1	--	--	--	--
New Mexico	NM	NM	NM	NM	NM	NM	--	--	NM	NM	NM
Utah	8	NM	NM	7	NM	NM	NM	--	--	--	--
Wyoming	NM	6	NM	4	6	--	--	--	--	NM	NM
Pacific Contiguous	NM	NM	NM	NM	11	NM	5	NM	NM	NM	NM
California	5	NM	NM	4	NM	--	NM	NM	NM	*	*
Oregon	NM	NM	NM	NM	6	--	--	--	--	NM	NM
Washington	NM	NM	NM	NM	NM	NM	5	NM	NM	NM	NM
Pacific Noncontiguous	1,291	1,232	4.8%	1,055	984	188	200	NM	NM	NM	NM
Alaska	160	99	62.0%	152	91	--	--	NM	NM	NM	NM
Hawaii	1,131	1,133	-0.2%	902	892	188	200	NM	NM	NM	NM
U.S. Total	2,436	2,735	-11.0%	1,724	1,511	455	911	NM	NM	235	284

\* = 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 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 difference 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) July 2012 and 2011  
(Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	543	1,434	-62.0%	49	65	273	842	NM	NM	159	NM
Connecticut	141	190	-26.0%	NM	NM	139	185	--	--	NM	NM
Maine	206	680	-70.0%	NM	NM	NM	264	NM	NM	156	NM
Massachusetts	145	460	-69.0%	NM	NM	88	392	NM	NM	NM	NM
New Hampshire	NM	NM	NM	NM	14	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	--	--	--	--
Middle Atlantic	1,294	2,023	-36.0%	387	626	757	1,227	25	NM	125	NM
New Jersey	61	351	-83.0%	NM	204	46	132	NM	NM	NM	NM
New York	878	1,084	-19.0%	383	422	373	532	21	NM	101	NM
Pennsylvania	354	588	-40.0%	NM	NM	338	563	NM	NM	NM	NM
East North Central	795	1,045	-24.0%	581	851	123	124	NM	34	81	36
Illinois	82	103	-21.0%	27	36	55	67	NM	NM	NM	NM
Indiana	195	203	-3.8%	127	178	NM	NM	NM	NM	66	18
Michigan	185	248	-26.0%	151	214	20	NM	NM	29	5	5
Ohio	295	449	-34.0%	240	389	46	55	--	--	8	5
Wisconsin	39	42	-8.0%	35	34	NM	NM	NM	NM	NM	NM
West North Central	399	426	-6.3%	383	392	NM	NM	NM	NM	NM	NM
Iowa	142	104	36.0%	140	103	NM	NM	NM	NM	NM	NM
Kansas	54	51	6.0%	54	51	--	--	--	--	--	--
Minnesota	NM	NM	NM	20	28	NM	NM	NM	NM	NM	NM
Missouri	95	132	-28.0%	95	129	--	--	NM	NM	--	NM
Nebraska	25	31	-19.0%	25	31	--	--	--	--	--	--
North Dakota	45	55	-18.0%	39	42	--	--	NM	NM	NM	NM
South Dakota	10	NM	NM	9	NM	NM	NM	NM	NM	--	--
South Atlantic	2,269	6,569	-65.0%	1,326	4,943	NM	584	NM	NM	707	1,033
Delaware	27	51	-47.0%	NM	NM	27	50	--	--	--	--
District of Columbia	11	175	-94.0%	--	--	11	175	--	--	--	--
Florida	546	3,837	-86.0%	415	3,532	NM	63	--	--	NM	243
Georgia	334	383	-13.0%	186	126	NM	4	NM	NM	147	252
Maryland	146	177	-18.0%	NM	NM	75	154	NM	NM	66	17
North Carolina	361	379	-4.8%	204	157	NM	NM	NM	NM	153	NM
South Carolina	NM	345	NM	NM	155	NM	--	NM	NM	156	189
Virginia	NM	1,031	NM	NM	798	NM	112	3	5	NM	NM
West Virginia	149	191	-22.0%	139	169	10	22	--	--	--	--
East South Central	NM	785	NM	252	320	NM	NM	--	--	NM	448
Alabama	NM	480	NM	62	68	NM	NM	--	--	NM	395
Kentucky	124	148	-17.0%	124	148	--	--	--	--	--	--
Mississippi	NM	62	NM	15	48	--	--	--	--	NM	NM
Tennessee	71	94	-25.0%	52	56	--	--	--	--	NM	NM
West South Central	193	258	-25.0%	83	116	83	94	NM	NM	NM	NM
Arkansas	49	55	-9.9%	32	15	11	29	--	--	NM	NM
Louisiana	38	59	-35.0%	15	26	16	17	--	--	NM	NM
Oklahoma	13	NM	NM	12	NM	--	--	NM	NM	NM	NM
Texas	92	140	-34.0%	23	73	56	49	NM	NM	NM	NM
Mountain	277	283	-2.3%	240	250	30	25	NM	NM	NM	NM
Arizona	59	79	-24.0%	54	73	--	--	NM	NM	NM	NM
Colorado	21	32	-33.0%	21	31	*	--	NM	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	22	19	12.0%	NM	NM	21	19	--	--	--	--
Nevada	24	17	45.0%	18	12	7	5	--	--	--	--
New Mexico	55	34	62.0%	55	34	NM	--	--	NM	NM	NM
Utah	42	48	-13.0%	40	46	NM	NM	--	--	--	--
Wyoming	53	55	-3.2%	52	54	--	--	--	--	NM	NM
Pacific Contiguous	123	150	-18.0%	50	52	34	18	NM	NM	NM	NM
California	65	35	83.0%	37	32	26	NM	NM	NM	1	2
Oregon	NM	NM	NM	7	12	--	--	--	--	NM	NM
Washington	NM	NM	NM	NM	NM	9	17	NM	NM	NM	NM
Pacific Noncontiguous	8,233	8,412	-2.1%	6,726	6,642	1,138	1,349	17	16	352	406
Alaska	1,015	899	13.0%	954	837	--	--	NM	NM	47	48
Hawaii	7,218	7,513	-3.9%	5,772	5,805	1,138	1,349	2	NM	306	358
U.S. Total	14,672	21,386	-31.0%	10,077	14,257	2,675	4,282	NM	196	NM	2,651

\* = 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 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 difference 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, July 2012 and 2011  
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	NM	NM	--	--	--	NM	--	--	NM	NM
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	NM	NM	--	--	--	NM	--	--	--	--
Pennsylvania	NM	NM	NM	--	--	--	--	--	--	NM	NM
East North Central	95	69	38.0%	8	13	59	6	--	--	28	50
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	23	NM	NM	NM	8	6	--	--	NM	16
Ohio	59	20	198.0%	--	--	51	--	--	--	NM	20
Wisconsin	22	26	-17.0%	8	12	--	--	--	--	14	14
West North Central	1	NM	NM	--	2	--	--	1	NM	--	--
Iowa	1	NM	NM	--	2	--	--	1	NM	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	24	197	-88.0%	17	154	--	--	--	--	7	44
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	17	154	-89.0%	17	154	--	--	--	--	--	--
Georgia	7	44	-84.0%	--	--	--	--	--	--	7	44
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	37	59	-37.0%	37	59	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	37	59	-37.0%	37	59	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	104	162	-36.0%	57	128	9	*	--	--	38	34
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	70	160	-56.0%	57	128	--	--	--	--	NM	32
Oklahoma	NM	NM	NM	--	--	--	--	--	--	NM	NM
Texas	35	NM	NM	--	--	9	*	--	--	25	NM
Mountain	18	26	-32.0%	--	--	18	26	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	18	26	-32.0%	--	--	18	26	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	56	NM	--	--	NM	42	--	--	NM	NM
California	NM	56	NM	--	--	NM	42	--	--	NM	NM
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	287	575	-50.0%	120	356	88	76	1	NM	79	142

\* = 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 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 difference is calculated before rounding.

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) July 2012 and 2011  
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	25	NM	--	--	NM	21	--	--	NM	NM
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	21	NM	--	--	NM	21	--	--	--	--
Pennsylvania	NM	NM	NM	--	--	--	--	--	--	NM	NM
East North Central	314	401	-22.0%	31	85	69	51	--	--	214	265
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	77	98	-22.0%	NM	NM	18	15	--	--	56	78
Ohio	121	133	-9.0%	--	--	51	35	--	--	70	97
Wisconsin	116	170	-32.0%	28	81	--	--	--	--	88	90
West North Central	NM	22	NM	NM	14	--	--	5	NM	--	--
Iowa	NM	19	NM	NM	11	--	--	5	NM	--	--
Kansas	--	3	-100.0%	--	3	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	359	763	-53.0%	251	610	--	--	--	--	108	153
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	251	610	-59.0%	251	610	--	--	--	--	--	--
Georgia	108	153	-30.0%	--	--	--	--	--	--	108	153
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	312	289	8.0%	312	289	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	312	289	8.0%	312	289	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	959	942	1.8%	562	763	39	NM	--	--	357	168
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	675	919	-27.0%	562	763	--	--	--	--	112	156
Oklahoma	NM	NM	NM	--	--	--	--	--	--	NM	NM
Texas	282	NM	NM	--	--	39	NM	--	--	243	NM
Mountain	140	159	-12.0%	--	--	140	159	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	140	159	-12.0%	--	--	140	159	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	136	281	-51.0%	--	--	87	213	--	--	49	68
California	136	281	-51.0%	--	--	87	213	--	--	49	68
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	2,247	2,882	-22.0%	1,159	1,760	353	455	5	NM	731	659

\* = 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 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 difference is calculated before rounding.

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	54,947	52,166	5.3%	1,192	860	49,739	47,388	915	927	3,102	2,992
Connecticut	13,501	11,577	17.0%	80	82	12,807	10,935	165	134	450	427
Maine	5,744	6,111	-6.0%	--	--	3,585	4,011	NM	NM	2,158	2,099
Massachusetts	23,725	22,938	3.4%	649	500	22,055	21,435	563	571	459	433
New Hampshire	5,460	4,926	11.0%	460	274	4,966	4,619	--	--	35	33
Rhode Island	6,513	6,610	-1.5%	--	--	6,326	6,389	187	221	--	--
Vermont	3	4	-18.0%	3	4	--	--	--	--	--	--
Middle Atlantic	139,380	117,809	18.0%	17,581	16,701	118,704	98,174	879	757	2,216	2,177
New Jersey	29,518	24,756	19.0%	--	--	28,475	23,734	170	161	873	861
New York	66,599	56,326	18.0%	17,542	16,673	48,019	38,721	616	513	422	419
Pennsylvania	43,264	36,727	18.0%	39	28	42,210	35,719	93	83	921	896
East North Central	111,256	71,922	55.0%	43,190	23,639	62,998	44,513	1,485	999	3,584	2,770
Illinois	23,161	16,220	43.0%	4,348	2,545	17,348	12,201	482	527	983	948
Indiana	17,044	12,877	32.0%	11,669	8,056	3,952	3,613	120	119	1,303	1,088
Michigan	33,214	21,810	52.0%	11,141	4,275	20,786	17,076	646	162	641	296
Ohio	20,386	11,956	71.0%	6,546	4,200	13,648	7,562	--	--	191	193
Wisconsin	17,450	9,059	93.0%	9,485	4,563	7,263	4,061	237	190	465	245
West North Central	43,575	32,259	35.0%	37,519	27,676	5,071	3,866	427	339	558	378
Iowa	6,031	3,821	58.0%	5,960	3,789	NM	NM	39	28	31	4
Kansas	7,245	8,457	-14.0%	7,228	8,442	--	--	--	--	NM	NM
Minnesota	13,354	8,169	63.0%	10,272	5,991	2,441	1,708	221	184	421	287
Missouri	11,443	9,017	27.0%	8,642	6,728	2,628	2,157	168	128	NM	NM
Nebraska	3,866	1,938	100.0%	3,866	1,937	--	NM	NM	NM	--	--
North Dakota	95	78	22.0%	11	NM	--	--	--	--	84	69
South Dakota	1,541	780	98.0%	1,541	780	--	--	--	--	--	--
South Atlantic	236,399	195,257	21.0%	168,718	143,942	60,512	46,430	NM	NM	6,689	4,594
Delaware	7,494	5,450	38.0%	69	53	6,450	5,398	--	--	975	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	118,956	109,704	8.4%	103,620	97,079	12,475	9,610	NM	NM	2,570	2,728
Georgia	41,006	24,096	70.0%	19,683	11,556	19,781	11,676	--	--	1,541	NM
Maryland	8,349	7,240	15.0%	--	--	7,806	7,041	148	NM	394	197
North Carolina	21,004	14,257	47.0%	18,100	11,860	2,589	2,158	NM	--	NM	NM
South Carolina	12,592	11,337	11.0%	10,197	8,791	2,361	2,426	NM	NM	NM	118
Virginia	26,364	22,409	18.0%	17,017	14,564	8,557	7,509	--	--	789	NM
West Virginia	634	763	-17.0%	32	39	492	612	--	--	111	112
East South Central	98,523	76,440	29.0%	51,880	39,372	42,819	33,729	NM	NM	3,634	3,156
Alabama	46,728	38,623	21.0%	11,572	10,296	32,565	26,245	--	--	2,591	2,082
Kentucky	6,017	3,763	60.0%	4,409	2,926	1,257	492	--	--	351	345
Mississippi	36,603	29,261	25.0%	27,039	21,735	8,997	6,993	NM	NM	NM	NM
Tennessee	9,176	4,793	91.0%	8,860	4,414	--	--	151	146	164	233
West South Central	352,317	357,384	-1.4%	108,076	111,052	165,630	169,862	679	NM	77,932	75,777
Arkansas	19,234	16,494	17.0%	5,529	5,176	13,060	10,751	NM	NM	NM	NM
Louisiana	61,375	54,750	12.0%	26,688	25,110	10,403	7,619	NM	NM	24,224	21,964
Oklahoma	46,212	46,042	0.4%	33,920	35,577	11,674	9,896	NM	NM	NM	NM
Texas	225,495	240,098	-6.1%	41,939	45,189	130,493	141,597	451	NM	52,613	52,840
Mountain	78,826	70,383	12.0%	45,994	38,148	31,444	31,057	NM	NM	NM	NM
Arizona	29,974	26,039	15.0%	13,767	10,277	16,116	15,677	NM	NM	NM	NM
Colorado	10,922	10,482	4.2%	5,554	4,925	NM	NM	NM	NM	NM	NM
Idaho	2,056	935	120.0%	1,514	534	442	321	--	--	100	79
Montana	280	146	92.0%	175	90	104	55	--	--	NM	NM
Nevada	21,219	18,723	13.0%	15,157	12,833	NM	NM	NM	NM	NM	NM
New Mexico	8,405	8,916	-5.7%	5,537	5,855	NM	NM	NM	NM	NM	NM
Utah	NM	NM	NM	4,088	3,509	789	768	NM	NM	NM	NM
Wyoming	894	713	25.0%	202	124	73	37	--	--	619	552
Pacific Contiguous	100,945	NM	NM	28,844	22,764	55,140	NM	NM	NM	NM	NM
California	92,786	NM	NM	24,931	20,576	51,345	NM	NM	NM	NM	NM
Oregon	4,421	2,403	84.0%	1,181	583	3,088	1,680	--	--	152	140
Washington	3,738	2,645	41.0%	2,732	1,605	707	802	121	104	178	134
Pacific Noncontiguous	3,534	3,416	3.5%	3,456	3,352	--	--	NM	--	75	63
Alaska	3,534	3,416	3.5%	3,456	3,352	--	--	NM	--	75	63
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	1,219,703	1,057,904	15.0%	506,450	427,506	592,056	516,435	NM	NM	113,041	106,401

\* = 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 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 difference is calculated before rounding.

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	275,286	270,707	1.7%	2,644	2,412	246,754	243,368	6,455	6,563	19,433	18,364
Connecticut	65,786	61,312	7.3%	502	414	61,568	57,606	1,046	827	2,670	2,465
Maine	30,002	31,691	-5.3%	--	--	16,190	18,523	NM	NM	13,803	13,162
Massachusetts	110,865	113,446	-2.3%	1,494	1,419	102,435	105,133	4,191	4,355	2,746	2,540
New Hampshire	31,800	27,468	16.0%	625	547	30,960	26,723	--	--	NM	198
Rhode Island	36,811	36,758	0.1%	--	--	35,601	35,384	1,210	1,375	--	--
Vermont	22	31	-29.0%	22	31	--	--	--	--	--	--
Middle Atlantic	680,375	555,885	22.0%	77,967	75,476	581,971	461,188	6,005	5,089	14,432	14,132
New Jersey	139,234	121,980	14.0%	--	--	132,570	115,687	1,050	980	5,614	5,314
New York	299,073	253,724	18.0%	77,841	75,393	213,730	171,581	4,465	3,682	3,037	3,069
Pennsylvania	242,067	180,180	34.0%	126	83	235,671	173,920	490	428	5,781	5,750
East North Central	473,103	262,446	80.0%	161,051	73,230	279,266	162,412	9,485	6,774	23,302	20,029
Illinois	66,508	43,284	54.0%	6,086	4,022	50,465	29,069	3,720	4,163	6,237	6,029
Indiana	85,654	60,901	41.0%	58,702	33,097	17,808	19,014	787	760	8,357	8,030
Michigan	147,090	73,633	100.0%	32,242	8,501	107,421	61,827	3,223	581	4,204	2,724
Ohio	105,321	52,446	101.0%	28,277	13,280	75,643	37,866	--	--	1,401	1,299
Wisconsin	68,530	32,182	113.0%	35,745	14,329	27,929	14,635	1,755	1,271	3,102	1,947
West North Central	126,369	79,894	58.0%	104,411	65,336	15,276	9,684	2,869	1,600	3,813	3,273
Iowa	12,720	7,356	73.0%	12,219	6,883	NM	NM	299	225	199	247
Kansas	22,903	21,114	8.5%	22,848	21,082	--	--	--	--	NM	NM
Minnesota	44,038	21,721	103.0%	33,235	13,576	6,323	4,531	1,655	1,160	2,825	2,454
Missouri	36,560	25,109	46.0%	26,661	19,714	8,950	5,150	912	213	NM	NM
Nebraska	6,878	3,034	127.0%	6,874	3,030	--	NM	NM	NM	--	--
North Dakota	718	529	36.0%	NM	NM	--	--	--	--	696	509
South Dakota	2,552	1,031	147.0%	2,552	1,031	--	--	--	--	--	--
South Atlantic	1,250,952	969,941	29.0%	912,313	738,486	289,300	199,030	2,829	NM	46,510	30,526
Delaware	42,594	21,888	95.0%	255	182	34,105	20,739	--	--	8,235	967
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	692,301	625,511	11.0%	606,883	555,478	66,171	52,311	1,923	NM	17,325	15,839
Georgia	193,754	112,401	72.0%	102,727	53,559	80,954	52,399	--	--	10,073	6,443
Maryland	37,352	18,151	106.0%	--	--	34,114	16,856	641	NM	2,597	1,291
North Carolina	95,071	51,225	86.0%	77,295	38,800	14,488	10,633	NM	NM	3,031	NM
South Carolina	67,288	56,772	19.0%	55,005	47,366	11,963	8,648	NM	NM	NM	753
Virginia	120,213	81,509	47.0%	69,948	42,741	46,073	36,038	--	--	4,191	2,730
West Virginia	2,378	2,484	-4.3%	199	360	1,433	1,405	--	--	746	718
East South Central	540,672	379,075	43.0%	288,554	203,264	226,724	152,092	1,193	1,119	24,201	22,601
Alabama	266,851	197,062	35.0%	68,730	62,507	181,466	119,955	--	--	16,655	14,600
Kentucky	26,577	12,775	108.0%	21,623	9,147	2,518	870	--	--	2,437	2,758
Mississippi	208,004	148,096	40.0%	161,148	113,121	42,740	31,266	NM	NM	3,866	3,465
Tennessee	39,241	21,143	86.0%	37,054	18,488	--	--	943	875	1,244	1,779
West South Central	1,935,665	1,753,774	10.0%	505,821	465,641	912,212	778,234	4,397	4,331	513,236	505,568
Arkansas	88,283	67,819	30.0%	16,545	15,835	66,111	46,031	NM	NM	5,618	5,946
Louisiana	355,334	336,827	5.5%	137,053	139,063	58,969	40,517	NM	NM	158,924	156,872
Oklahoma	209,775	170,151	23.0%	145,619	127,794	59,858	38,462	NM	NM	3,209	2,853
Texas	1,282,274	1,178,978	8.8%	206,603	182,950	727,273	653,224	2,914	2,907	345,484	339,897
Mountain	387,614	308,997	25.0%	229,133	170,734	146,214	128,579	NM	NM	NM	NM
Arizona	135,879	92,770	46.0%	65,934	39,005	69,247	53,107	NM	NM	NM	NM
Colorado	52,460	50,612	3.6%	29,534	23,592	22,733	26,800	NM	NM	NM	NM
Idaho	8,018	4,236	89.0%	2,597	1,089	4,466	1,926	--	--	955	1,221
Montana	636	273	133.0%	369	147	263	123	--	--	NM	NM
Nevada	107,539	91,404	18.0%	76,465	61,360	NM	NM	NM	NM	NM	NM
New Mexico	44,558	41,977	6.1%	28,385	26,006	NM	15,466	NM	NM	NM	NM
Utah	31,319	22,880	37.0%	25,324	19,262	4,111	2,342	NM	NM	NM	NM
Wyoming	7,205	4,845	49.0%	525	271	148	63	--	--	6,532	4,511
Pacific Contiguous	638,633	468,095	36.0%	182,850	119,013	348,575	236,641	NM	NM	NM	NM
California	572,737	431,700	33.0%	154,218	108,548	315,819	214,765	NM	NM	NM	NM
Oregon	40,845	21,206	93.0%	12,371	3,813	27,094	16,065	--	--	1,380	1,328
Washington	25,052	15,189	65.0%	16,262	6,651	5,662	5,811	968	682	2,160	2,045
Pacific Noncontiguous	23,914	23,297	2.7%	23,319	22,873	--	--	NM	NM	578	405
Alaska	23,914	23,297	2.7%	23,319	22,873	--	--	NM	NM	578	405
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	6,332,584	5,072,111	25.0%	2,488,062	1,936,464	3,046,290	2,371,228	NM	NM	748,669	714,443

\* = 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 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 difference 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, July 2012 and 2011  
(Dollar per MMBTU)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
New England	W	3.82	W	--	3.88	W	3.82
Connecticut	--	W	W	--	--	--	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	--	3.88	--	--	3.88	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.52	2.74	-8.0%	NM	NM	2.52	2.74
New Jersey	4.09	4.24	-3.5%	--	--	4.09	4.24
New York	3.07	3.35	-8.4%	NM	NM	3.05	3.34
Pennsylvania	2.39	2.59	-7.7%	--	--	2.39	2.59
East North Central	2.41	2.36	2.1%	2.54	2.51	2.18	2.04
Illinois	1.94	1.78	9.0%	2.11	1.98	1.92	1.76
Indiana	W	W	W	2.58	2.55	W	W
Michigan	W	W	W	2.94	2.89	W	W
Ohio	2.58	2.50	3.2%	2.38	2.32	3.29	3.14
Wisconsin	2.47	2.51	-1.6%	2.47	2.51	--	--
West North Central	1.73	1.65	4.8%	1.73	1.65	--	--
Iowa	1.49	1.42	4.9%	1.49	1.42	--	--
Kansas	1.83	1.79	2.2%	1.83	1.79	--	--
Minnesota	2.02	1.94	4.1%	2.02	1.94	--	--
Missouri	1.87	1.76	6.3%	1.87	1.76	--	--
Nebraska	1.56	1.54	1.3%	1.56	1.54	--	--
North Dakota	1.43	1.42	0.7%	1.43	1.42	--	--
South Dakota	2.13	2.01	6.0%	2.13	2.01	--	--
South Atlantic	3.38	3.49	-3.2%	3.47	3.53	2.98	3.31
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.52	3.57	-1.4%	3.41	3.52	4.53	4.14
Georgia	3.57	3.90	-8.5%	3.57	3.90	--	--
Maryland	3.41	3.90	-13.0%	--	--	3.41	3.90
North Carolina	3.78	3.69	2.4%	3.79	3.70	3.58	3.51
South Carolina	4.00	W	W	4.00	3.93	--	W
Virginia	W	W	W	3.55	3.64	W	W
West Virginia	2.53	2.51	0.8%	2.71	2.60	2.25	2.31
East South Central	W	W	W	2.79	2.76	W	W
Alabama	W	W	W	3.13	3.06	W	W
Kentucky	2.46	2.34	5.1%	2.46	2.34	--	--
Mississippi	W	W	W	4.36	3.97	W	W
Tennessee	2.76	2.93	-5.8%	2.76	2.93	--	--
West South Central	2.04	1.90	7.4%	2.14	1.94	1.93	1.86
Arkansas	W	W	W	2.40	1.82	W	W
Louisiana	W	W	W	2.80	2.60	W	W
Oklahoma	W	W	W	1.98	1.78	W	W
Texas	1.92	1.85	3.8%	1.97	1.92	1.89	1.81
Mountain	1.92	1.79	7.3%	1.93	1.81	1.91	1.61
Arizona	2.13	2.02	5.4%	2.13	2.02	--	--
Colorado	W	W	W	1.85	1.76	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	NM	NM	W	W
Nevada	W	W	W	2.66	2.61	W	W
New Mexico	2.17	2.11	2.8%	2.17	2.11	--	--
Utah	W	W	W	2.00	1.72	W	W
Wyoming	W	W	W	1.48	1.28	W	W
Pacific Contiguous	3.43	W	W	--	1.76	3.43	W
California	3.43	W	W	--	--	3.43	W
Oregon	--	1.76	--	--	1.76	--	--
Washington	--	W	W	--	--	--	W
Pacific Noncontiguous	W	W	W	NM	1.67	W	W
Alaska	W	W	W	NM	1.67	W	W
Hawaii	W	--	W	--	--	W	--
U.S. Total	2.40	2.43	-1.2%	2.44	2.45	2.29	2.36

\* = 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 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 difference 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) July 2012 and 2011  
(Dollar per MMBTU)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
New England	4.26	3.73	14.0%	3.98	3.54	4.38	3.80
Connecticut	--	W	W	--	--	--	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	3.82	W	--	--	W	3.82
New Hampshire	3.98	3.54	12.0%	3.98	3.54	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.55	2.70	-5.6%	NM	4.19	2.55	2.69
New Jersey	4.16	4.18	-0.5%	--	--	4.16	4.18
New York	3.30	3.24	1.9%	NM	4.19	3.28	3.23
Pennsylvania	2.48	2.55	-2.7%	--	--	2.48	2.55
East North Central	2.39	2.29	4.4%	2.53	2.43	2.13	1.99
Illinois	1.92	1.73	11.0%	2.11	2.05	1.90	1.69
Indiana	W	W	W	2.60	2.42	W	W
Michigan	W	W	W	2.93	2.74	W	W
Ohio	2.53	2.45	3.3%	2.38	2.27	3.04	3.07
Wisconsin	2.33	2.49	-6.4%	2.33	2.49	--	--
West North Central	1.73	1.63	6.1%	1.73	1.63	--	--
Iowa	1.48	1.42	4.2%	1.48	1.42	--	--
Kansas	1.84	1.73	6.4%	1.84	1.73	--	--
Minnesota	1.97	1.92	2.6%	1.97	1.92	--	--
Missouri	1.86	1.70	9.4%	1.86	1.70	--	--
Nebraska	1.57	1.52	3.3%	1.57	1.52	--	--
North Dakota	1.50	1.34	12.0%	1.50	1.34	--	--
South Dakota	2.23	2.07	7.7%	2.23	2.07	--	--
South Atlantic	3.38	3.40	-0.6%	3.47	3.46	2.93	3.14
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.55	3.59	-1.1%	3.49	3.52	4.45	4.34
Georgia	3.55	3.80	-6.6%	3.55	3.80	--	--
Maryland	3.49	3.70	-5.7%	--	--	3.49	3.70
North Carolina	3.80	3.61	5.3%	3.81	3.61	3.53	3.47
South Carolina	W	W	W	4.02	3.77	W	W
Virginia	W	W	W	3.70	3.48	W	W
West Virginia	2.52	2.40	5.0%	2.66	2.50	2.23	2.20
East South Central	W	W	W	2.72	2.63	W	W
Alabama	W	W	W	3.02	2.86	W	W
Kentucky	2.44	2.32	5.2%	2.44	2.32	--	--
Mississippi	W	W	W	4.42	3.85	W	W
Tennessee	2.65	2.76	-4.0%	2.65	2.76	--	--
West South Central	2.04	1.89	7.9%	2.07	1.92	2.00	1.85
Arkansas	W	W	W	2.13	1.82	W	W
Louisiana	W	W	W	2.77	2.64	W	W
Oklahoma	W	W	W	1.98	1.73	W	W
Texas	1.96	1.85	5.9%	1.96	1.91	1.96	1.81
Mountain	1.84	1.78	3.4%	1.88	1.80	1.48	1.50
Arizona	2.06	1.95	5.6%	2.06	1.95	--	--
Colorado	W	W	W	1.84	1.71	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.65	1.60	W	W
Nevada	W	W	W	2.60	2.59	W	W
New Mexico	2.20	2.04	7.8%	2.20	2.04	--	--
Utah	W	W	W	1.95	1.81	W	W
Wyoming	W	W	W	1.41	1.43	W	W
Pacific Contiguous	2.39	W	W	1.89	1.80	2.60	W
California	W	W	W	--	--	W	W
Oregon	1.89	1.80	5.0%	1.89	1.80	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	1.68	1.65	W	W
Alaska	W	W	W	1.68	1.65	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.40	2.37	1.3%	2.43	2.39	2.29	2.32

\* = 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 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 difference is calculated before rounding.

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, July 2012 and 2011  
(Dollar per MMBTU)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
New England	W	20.39	W	21.94	23.04	W	20.31
Connecticut	25.25	W	W	NM	NM	25.30	W
Maine	NM	W	W	NM	NM	NM	W
Massachusetts	W	W	W	22.17	23.04	W	W
New Hampshire	W	W	W	21.44	23.57	W	W
Rhode Island	W	W	W	22.04	22.87	W	W
Vermont	22.11	22.86	-3.3%	22.11	22.86	--	--
Middle Atlantic	20.63	22.51	-8.4%	22.55	23.46	19.29	21.74
New Jersey	19.34	21.96	-12.0%	NM	NM	19.13	21.86
New York	22.45	22.92	-2.1%	22.56	23.47	22.11	21.40
Pennsylvania	18.47	21.88	-16.0%	NM	NM	18.47	21.88
East North Central	21.66	23.35	-7.2%	21.52	23.23	22.21	23.95
Illinois	W	24.35	W	22.13	24.52	W	24.26
Indiana	W	W	W	22.07	22.71	W	W
Michigan	21.37	W	W	21.37	23.41	--	W
Ohio	21.39	W	W	21.20	23.57	21.76	W
Wisconsin	W	W	W	21.46	22.87	W	W
West North Central	21.94	23.17	-5.3%	21.94	23.17	NM	NM
Iowa	W	W	W	21.76	23.76	W	W
Kansas	21.90	21.91	0.0%	21.90	21.91	--	--
Minnesota	W	W	W	22.30	23.64	W	W
Missouri	21.79	22.74	-4.2%	21.79	22.74	--	--
Nebraska	22.60	NM	NM	22.60	NM	--	--
North Dakota	22.67	24.56	-7.7%	22.67	24.56	--	--
South Dakota	W	W	W	NM	NM	W	W
South Atlantic	19.02	W	W	18.66	21.26	21.50	W
Delaware	W	W	W	NM	NM	W	W
District of Columbia	--	W	W	--	--	--	W
Florida	W	22.98	W	18.34	23.01	W	NM
Georgia	22.53	24.09	-6.5%	22.53	24.09	--	--
Maryland	20.83	22.74	-8.4%	NM	NM	20.80	22.76
North Carolina	21.59	22.90	-5.7%	21.60	22.90	NM	NM
South Carolina	14.11	24.02	-41.0%	14.11	24.02	--	--
Virginia	17.81	19.03	-6.4%	16.47	17.50	21.72	23.38
West Virginia	22.59	24.56	-8.0%	22.59	24.56	--	--
East South Central	W	W	W	21.76	22.89	W	W
Alabama	W	W	W	22.14	23.02	W	W
Kentucky	21.83	22.77	-4.1%	21.83	22.77	--	--
Mississippi	NM	NM	NM	NM	NM	--	--
Tennessee	21.07	23.02	-8.5%	21.07	23.02	--	--
West South Central	21.74	24.03	-9.5%	21.79	23.88	21.65	24.09
Arkansas	W	W	W	--	23.59	W	W
Louisiana	W	W	W	21.25	NM	W	W
Oklahoma	21.94	23.69	-7.4%	21.94	23.69	--	--
Texas	W	W	W	21.98	24.06	W	W
Mountain	19.43	W	W	20.76	24.32	15.83	W
Arizona	24.32	25.80	-5.7%	24.32	25.80	--	--
Colorado	NM	23.39	NM	NM	23.39	--	--
Idaho	NM	NM	NM	NM	NM	--	--
Montana	W	W	W	NM	NM	W	W
Nevada	W	W	W	22.04	23.63	W	W
New Mexico	W	NM	W	NM	NM	W	--
Utah	W	W	W	20.42	23.46	W	W
Wyoming	18.03	24.90	-28.0%	18.03	24.90	--	--
Pacific Contiguous	W	W	W	22.16	23.27	W	W
California	21.93	W	W	21.93	NM	--	W
Oregon	NM	22.08	NM	NM	22.08	--	--
Washington	W	W	W	NM	NM	W	W
Pacific Noncontiguous	W	W	W	21.13	21.53	W	W
Alaska	21.47	24.39	-12.0%	21.47	24.39	--	--
Hawaii	W	W	W	21.08	21.28	W	W
U.S. Total	20.79	21.61	-3.8%	20.76	21.89	20.90	21.13

\* = 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 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 difference 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) July 2012 and 2011  
(Dollar per MMBTU)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
New England	W	W	W	21.99	22.43	W	W
Connecticut	W	21.85	W	NM	21.98	W	21.85
Maine	W	W	W	NM	NM	W	W
Massachusetts	20.73	19.92	4.1%	20.91	22.60	20.69	19.77
New Hampshire	W	W	W	22.77	22.29	W	W
Rhode Island	W	W	W	22.65	22.49	W	W
Vermont	NM	22.24	NM	NM	22.24	--	--
Middle Atlantic	21.35	19.93	7.1%	20.63	18.75	21.72	20.55
New Jersey	21.13	17.68	20.0%	NM	16.22	20.93	20.03
New York	21.34	19.40	10.0%	20.60	19.99	22.09	18.93
Pennsylvania	21.42	22.25	-3.7%	NM	NM	21.42	22.25
East North Central	22.75	22.22	2.4%	22.52	22.11	23.85	22.95
Illinois	W	23.69	W	23.44	22.95	W	24.08
Indiana	W	W	W	22.71	21.84	W	W
Michigan	W	W	W	22.46	22.25	W	W
Ohio	22.48	22.01	2.1%	22.45	22.07	22.63	21.60
Wisconsin	W	W	W	21.91	22.28	W	W
West North Central	22.77	22.71	0.3%	22.76	22.71	NM	NM
Iowa	W	W	W	22.82	22.94	W	W
Kansas	22.13	22.11	0.1%	22.13	22.11	--	--
Minnesota	W	W	W	23.32	23.09	W	W
Missouri	22.62	22.41	0.9%	22.62	22.41	--	--
Nebraska	22.84	22.84	0.0%	22.84	22.84	--	--
North Dakota	23.54	23.09	1.9%	23.54	23.09	--	--
South Dakota	W	W	W	22.36	24.48	W	W
South Atlantic	21.69	17.99	21.0%	21.56	17.71	22.44	20.49
Delaware	W	22.24	W	NM	NM	W	22.24
District of Columbia	W	W	W	--	--	W	W
Florida	20.87	17.22	21.0%	20.79	17.17	23.37	20.15
Georgia	24.14	W	W	24.14	22.50	NM	W
Maryland	22.27	21.17	5.2%	NM	21.83	22.27	21.15
North Carolina	22.74	21.61	5.2%	22.74	21.64	NM	NM
South Carolina	W	20.99	W	20.95	20.99	W	--
Virginia	20.07	17.56	14.0%	19.06	17.05	NM	21.50
West Virginia	W	W	W	22.88	22.89	W	W
East South Central	W	W	W	22.31	20.78	W	W
Alabama	W	W	W	22.40	22.24	W	W
Kentucky	22.55	23.01	-2.0%	22.55	23.01	--	--
Mississippi	21.40	12.23	75.0%	21.40	12.23	--	--
Tennessee	21.89	21.22	3.2%	21.89	21.22	--	--
West South Central	22.41	20.87	7.4%	22.73	19.56	22.08	22.52
Arkansas	W	W	W	23.10	21.24	W	W
Louisiana	W	W	W	22.12	12.38	W	W
Oklahoma	22.41	22.55	-0.6%	22.41	22.55	--	--
Texas	W	W	W	22.80	21.97	W	W
Mountain	23.03	23.31	-1.2%	23.41	23.57	19.74	20.50
Arizona	23.49	23.89	-1.7%	23.49	23.89	--	--
Colorado	W	22.00	W	22.38	22.00	W	--
Idaho	NM	NM	NM	NM	NM	--	--
Montana	W	W	W	NM	NM	W	W
Nevada	W	W	W	24.71	23.15	W	W
New Mexico	W	25.27	W	25.34	25.27	W	--
Utah	W	W	W	22.45	23.08	W	W
Wyoming	21.98	23.49	-6.4%	21.98	23.49	--	--
Pacific Contiguous	24.38	W	W	24.54	23.74	24.15	W
California	W	W	W	24.95	23.42	W	W
Oregon	21.12	23.58	-10.0%	21.12	23.58	--	--
Washington	W	W	W	26.03	25.23	W	W
Pacific Noncontiguous	W	W	W	22.68	20.16	W	W
Alaska	23.59	22.63	4.2%	23.59	22.63	--	--
Hawaii	W	W	W	22.55	19.85	W	W
U.S. Total	22.53	19.64	15.0%	22.47	19.50	22.76	20.15

\* = 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 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 difference 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, July 2012 and 2011  
(Dollar per MMBTU)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	W	W	--	--	--	W
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	--	--	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.70	1.67	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	NM	NM	W	W
Ohio	W	--	W	--	--	W	--
Wisconsin	1.71	1.61	6.2%	1.71	1.61	--	--
West North Central	--	1.69	--	--	1.69	--	--
Iowa	--	1.69	--	--	1.69	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.46	4.24	-42.0%	2.46	4.24	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.46	4.24	-42.0%	2.46	4.24	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.85	0.52	256.0%	1.85	0.52	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.85	0.52	256.0%	1.85	0.52	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	W	W	W	2.05	3.41	W	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.05	3.41	-40.0%	2.05	3.41	--	--
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	NM	2.92	NM	--	--	NM	2.92
California	NM	2.92	NM	--	--	NM	2.92
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	3.00	W	2.02	3.22	W	1.96

\* = 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 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 difference is calculated before rounding.

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) July 2012 and 2011  
(Dollar per MMBTU)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.67	1.66	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	NM	NM	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.69	1.63	3.7%	1.69	1.63	--	--
West North Central	NM	1.61	NM	NM	1.61	--	--
Iowa	NM	1.56	NM	NM	1.56	--	--
Kansas	--	1.76	--	--	1.76	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.61	4.32	-40.0%	2.61	4.32	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.61	4.32	-40.0%	2.61	4.32	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.84	0.54	241.0%	1.84	0.54	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.84	0.54	241.0%	1.84	0.54	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	W	W	W	1.94	3.36	W	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.94	3.36	-42.0%	1.94	3.36	--	--
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	1.99	2.69	-26.0%	--	--	1.99	2.69
California	1.99	2.69	-26.0%	--	--	1.99	2.69
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.99	2.88	-31.0%	2.05	3.14	1.80	1.86

\* = 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 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 difference is calculated before rounding.

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

**Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, July 2012 and 2011  
(Dollar per MMBTU)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
New England	3.77	5.22	-28.0%	4.56	6.35	3.75	5.20
Connecticut	3.67	5.43	-32.0%	3.60	5.27	3.67	5.43
Maine	W	W	W	--	--	W	W
Massachusetts	3.82	5.09	-25.0%	4.43	6.02	3.80	5.07
New Hampshire	W	W	W	4.90	7.27	W	W
Rhode Island	3.78	5.35	-29.0%	--	--	3.78	5.35
Vermont	3.78	5.65	-33.0%	3.78	5.65	--	--
Middle Atlantic	3.49	5.39	-35.0%	3.47	5.33	3.50	5.40
New Jersey	3.55	5.24	-32.0%	--	--	3.55	5.24
New York	3.62	5.74	-37.0%	3.47	5.33	3.67	5.91
Pennsylvania	3.26	4.96	-34.0%	NM	5.09	3.26	4.96
East North Central	3.24	4.87	-33.0%	3.24	4.94	3.23	4.83
Illinois	3.26	4.92	-34.0%	3.34	4.98	3.25	4.90
Indiana	3.24	4.85	-33.0%	3.23	4.85	3.28	4.84
Michigan	3.30	4.83	-32.0%	3.33	5.05	3.29	4.77
Ohio	3.16	4.86	-35.0%	3.11	4.80	3.18	4.90
Wisconsin	3.18	4.95	-36.0%	3.21	5.13	3.13	4.74
West North Central	3.29	4.84	-32.0%	3.32	4.85	3.13	4.75
Iowa	W	W	W	3.38	4.75	W	W
Kansas	3.17	4.66	-32.0%	3.17	4.66	--	--
Minnesota	W	W	W	3.27	5.04	W	W
Missouri	W	W	W	3.43	4.91	W	W
Nebraska	3.35	W	W	3.35	5.05	--	W
North Dakota	NM	NM	NM	NM	NM	--	--
South Dakota	3.28	5.02	-35.0%	3.28	5.02	--	--
South Atlantic	4.10	5.52	-26.0%	4.36	5.67	3.38	5.04
Delaware	W	W	W	3.32	5.05	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	4.68	5.87	-20.0%	4.83	5.98	3.48	4.76
Georgia	3.42	4.95	-31.0%	3.51	4.86	3.33	5.05
Maryland	3.55	5.39	-34.0%	--	--	3.55	5.39
North Carolina	W	W	W	4.15	5.57	W	W
South Carolina	W	4.69	W	3.43	4.64	W	4.88
Virginia	3.24	4.96	-35.0%	3.31	5.01	3.09	4.87
West Virginia	3.32	W	W	2.84	5.22	3.35	W
East South Central	3.18	4.69	-32.0%	3.13	4.71	3.24	4.68
Alabama	3.29	4.72	-30.0%	3.31	4.74	3.28	4.71
Kentucky	W	W	W	3.54	5.40	W	W
Mississippi	W	W	W	3.02	4.61	W	W
Tennessee	2.99	4.66	-36.0%	2.99	4.66	--	--
West South Central	3.08	4.62	-33.0%	3.09	4.62	3.07	4.62
Arkansas	3.29	5.05	-35.0%	3.78	5.88	3.08	4.65
Louisiana	3.06	4.58	-33.0%	3.09	4.61	2.99	4.48
Oklahoma	3.03	4.55	-33.0%	3.04	4.54	3.03	4.56
Texas	3.07	4.61	-33.0%	3.03	4.54	3.08	4.63
Mountain	3.30	4.92	-33.0%	3.34	5.06	3.25	4.75
Arizona	3.41	5.06	-33.0%	3.66	5.57	3.19	4.73
Colorado	3.52	4.70	-25.0%	3.54	4.76	3.51	4.65
Idaho	W	W	W	3.56	5.05	W	W
Montana	W	W	W	3.31	4.95	W	W
Nevada	3.10	4.96	-38.0%	3.07	5.00	NM	NM
New Mexico	W	W	W	3.42	4.98	W	W
Utah	W	W	W	2.85	4.37	W	W
Wyoming	W	W	W	3.30	4.81	W	W
Pacific Contiguous	3.44	4.96	-31.0%	3.73	5.18	3.29	4.84
California	3.46	4.95	-30.0%	3.79	5.17	3.31	4.83
Oregon	W	W	W	3.26	5.08	W	W
Washington	W	W	W	3.45	5.39	W	W
Pacific Noncontiguous	3.86	4.93	-22.0%	3.86	4.93	--	--
Alaska	3.86	4.93	-22.0%	3.86	4.93	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.45	5.00	-31.0%	3.63	5.12	3.30	4.91

\* = 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 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 difference 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) July 2012 and 2011  
(Dollar per MMBTU)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2012	July 2011	Percent Change	July 2012	July 2011	July 2012	July 2011
New England	3.36	5.48	-39.0%	4.31	6.55	3.35	5.47
Connecticut	3.34	5.56	-40.0%	3.18	5.47	3.34	5.56
Maine	W	W	W	--	--	W	W
Massachusetts	3.28	5.43	-40.0%	4.22	6.54	3.27	5.42
New Hampshire	W	W	W	5.43	7.42	W	W
Rhode Island	3.52	5.55	-37.0%	--	--	3.52	5.55
Vermont	3.71	5.77	-36.0%	3.71	5.77	--	--
Middle Atlantic	3.29	5.54	-41.0%	3.53	5.71	3.25	5.52
New Jersey	3.32	5.50	-40.0%	--	--	3.32	5.50
New York	3.58	5.85	-39.0%	3.53	5.71	3.59	5.91
Pennsylvania	2.91	5.14	-43.0%	NM	NM	2.91	5.14
East North Central	2.90	4.89	-41.0%	2.91	4.97	2.89	4.85
Illinois	3.05	4.98	-39.0%	3.40	5.63	3.01	4.89
Indiana	2.82	4.74	-41.0%	2.79	4.71	2.94	4.80
Michigan	2.94	4.93	-40.0%	2.95	5.24	2.94	4.89
Ohio	2.75	4.81	-43.0%	2.72	4.78	2.77	4.83
Wisconsin	2.98	5.06	-41.0%	3.14	5.42	2.77	4.71
West North Central	3.27	5.18	-37.0%	3.32	5.19	2.89	5.12
Iowa	W	W	W	3.48	5.46	W	W
Kansas	2.99	4.77	-37.0%	2.99	4.77	--	--
Minnesota	W	W	W	3.54	5.70	W	W
Missouri	W	W	W	3.22	5.14	W	W
Nebraska	3.53	W	W	3.53	5.62	--	W
North Dakota	NM	NM	NM	NM	NM	--	--
South Dakota	3.20	5.11	-37.0%	3.20	5.11	--	--
South Atlantic	4.00	5.60	-29.0%	4.25	5.73	3.21	5.12
Delaware	W	W	W	2.98	5.18	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	4.53	5.80	-22.0%	4.69	5.91	3.02	4.64
Georgia	3.30	4.98	-34.0%	3.05	4.82	3.61	5.15
Maryland	2.97	5.53	-46.0%	--	--	2.97	5.53
North Carolina	W	W	W	4.11	6.09	W	W
South Carolina	W	4.63	W	3.28	4.59	W	4.82
Virginia	3.10	5.47	-43.0%	3.10	5.40	3.09	5.55
West Virginia	3.10	4.96	-38.0%	2.64	4.96	3.16	4.96
East South Central	2.76	4.64	-41.0%	2.75	4.67	2.77	4.59
Alabama	2.82	4.62	-39.0%	2.91	4.67	2.78	4.60
Kentucky	W	W	W	3.14	6.18	W	W
Mississippi	W	W	W	2.66	4.55	W	W
Tennessee	2.60	4.69	-45.0%	2.60	4.69	--	--
West South Central	2.70	4.54	-41.0%	2.78	4.61	2.66	4.50
Arkansas	2.84	4.86	-42.0%	3.41	5.66	2.70	4.59
Louisiana	2.67	4.52	-41.0%	2.70	4.57	2.59	4.36
Oklahoma	2.77	4.61	-40.0%	2.86	4.63	2.57	4.55
Texas	2.68	4.51	-41.0%	2.73	4.53	2.67	4.50
Mountain	3.21	5.06	-37.0%	3.27	5.28	3.12	4.76
Arizona	3.19	5.26	-39.0%	3.45	6.10	2.95	4.65
Colorado	3.70	5.01	-26.0%	3.70	5.10	3.69	4.94
Idaho	W	W	W	3.74	5.56	W	W
Montana	W	W	W	3.13	5.07	W	W
Nevada	3.14	5.03	-38.0%	3.16	5.20	3.08	4.67
New Mexico	W	W	W	3.13	5.09	W	W
Utah	W	W	W	2.73	4.34	W	W
Wyoming	W	W	W	3.34	5.32	W	W
Pacific Contiguous	3.22	4.81	-33.0%	3.57	5.14	3.04	4.65
California	3.25	4.77	-32.0%	3.62	5.07	3.07	4.62
Oregon	W	W	W	2.95	5.04	W	W
Washington	W	W	W	3.54	6.33	W	W
Pacific Noncontiguous	4.28	5.04	-15.0%	4.28	5.04	--	--
Alaska	4.28	5.04	-15.0%	4.28	5.04	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.21	5.05	-36.0%	3.49	5.21	2.98	4.91

\* = 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 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 difference 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 July 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	3	0.6	6.9	--	--	--	--	--	--
Massachusetts	NM	NM	NM	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	2,324	2.9	11.1	163	0.3	5.4	--	--	--
New Jersey	145	1.2	11.0	--	--	--	--	--	--
New York	107	2.5	8.3	136	0.3	5.4	--	--	--
Pennsylvania	2,072	3.1	11.2	NM	NM	NM	--	--	--
East North Central	7,001	2.8	9.7	8,480	0.3	5.0	--	--	--
Illinois	724	3.2	15.6	4,787	0.2	4.9	--	--	--
Indiana	2,644	2.6	9.3	642	0.3	5.4	--	--	--
Michigan	478	1.6	8.2	1,358	0.3	4.9	--	--	--
Ohio	2,946	3.1	9.2	156	0.3	5.1	--	--	--
Wisconsin	211	1.5	6.9	1,536	0.3	5.0	--	--	--
West North Central	171	3.3	9.1	10,923	0.3	5.0	2,012	0.8	10.1
Iowa	69	3.5	8.0	2,139	0.3	4.8	--	--	--
Kansas	21	3.3	13.3	1,582	0.3	5.1	--	--	--
Minnesota	NM	NM	NM	1,224	0.4	5.6	--	--	--
Missouri	75	3.1	8.9	4,103	0.3	5.0	--	--	--
Nebraska	--	--	--	1,506	0.3	5.0	--	--	--
North Dakota	--	--	--	162	0.3	5.1	2,012	0.8	10.1
South Dakota	--	--	--	207	0.3	5.4	--	--	--
South Atlantic	8,925	1.8	10.8	1,067	0.3	4.6	--	--	--
Delaware	58	1.6	8.7	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,542	2.1	9.2	--	--	--	--	--	--
Georgia	1,051	1.2	9.4	1,007	0.3	4.6	--	--	--
Maryland	505	1.7	10.2	60	0.2	4.8	--	--	--
North Carolina	1,760	1.3	10.7	--	--	--	--	--	--
South Carolina	789	1.5	9.3	--	--	--	--	--	--
Virginia	920	1.1	14.4	--	--	--	--	--	--
West Virginia	2,302	2.7	12.0	--	--	--	--	--	--
East South Central	5,862	2.3	9.9	2,157	0.3	5.4	335	0.5	15.0
Alabama	1,364	1.5	10.4	1,032	0.3	5.3	--	--	--
Kentucky	2,982	2.9	10.0	288	0.3	5.5	--	--	--
Mississippi	326	1.9	10.0	--	--	--	335	0.5	15.0
Tennessee	1,191	1.9	9.2	837	0.3	5.4	--	--	--
West South Central	77	1.9	21.1	9,069	0.3	5.1	4,127	1.0	16.8
Arkansas	NM	NM	NM	1,343	0.3	5.2	--	--	--
Louisiana	23	3.2	9.6	934	0.3	5.2	374	0.7	16.6
Oklahoma	43	0.8	33.4	1,647	0.3	4.9	--	--	--
Texas	--	--	--	5,145	0.3	5.1	3,753	1.0	16.8
Mountain	3,031	0.6	13.4	6,398	0.6	9.9	NM	NM	NM
Arizona	680	0.6	10.7	1,131	0.7	11.6	--	--	--
Colorado	366	0.5	10.8	1,341	0.3	5.5	--	--	--
Idaho	15	2.1	10.8	NM	NM	NM	--	--	--
Montana	--	--	--	607	0.7	9.4	NM	NM	NM
Nevada	157	0.5	11.4	196	0.4	7.6	--	--	--
New Mexico	555	0.8	20.3	837	0.8	22.1	--	--	--
Utah	1,220	0.5	13.1	67	1.0	9.0	--	--	--
Wyoming	39	2.1	10.8	2,217	0.5	7.6	--	--	--
Pacific Contiguous	104	0.7	12.1	8	0.3	4.0	--	--	--
California	104	0.7	12.1	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	8	0.3	4.0	--	--	--
Pacific Noncontiguous	68	0.7	9.1	72	0.3	5.8	--	--	--
Alaska	--	--	--	72	0.3	5.8	--	--	--
Hawaii	68	0.7	9.1	--	--	--	--	--	--
U.S. Total	27,581	2.1	10.6	38,336	0.3	5.9	6,499	0.9	14.6

\* = 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 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 difference 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 Utilities by State July 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	--	--	--	--	--	--	--	--	--
East North Central	5,597	2.8	9.2	3,669	0.3	5.0	--	--	--
Illinois	256	3.2	12.1	330	0.2	4.9	--	--	--
Indiana	2,397	2.6	9.2	501	0.3	5.4	--	--	--
Michigan	434	1.6	8.2	1,328	0.3	4.9	--	--	--
Ohio	2,374	3.3	9.3	--	--	--	--	--	--
Wisconsin	137	1.5	6.9	1,510	0.3	5.0	--	--	--
West North Central	86	3.2	9.9	10,631	0.3	5.0	2,012	0.8	10.1
Iowa	NM	NM	NM	1,979	0.3	4.8	--	--	--
Kansas	21	3.3	13.3	1,582	0.3	5.1	--	--	--
Minnesota	NM	NM	NM	1,142	0.4	5.6	--	--	--
Missouri	61	3.1	8.8	4,103	0.3	5.0	--	--	--
Nebraska	--	--	--	1,478	0.3	5.0	--	--	--
North Dakota	--	--	--	140	0.3	5.1	2,012	0.8	10.1
South Dakota	--	--	--	207	0.3	5.4	--	--	--
South Atlantic	6,918	1.7	10.6	1,007	0.3	4.6	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,374	2.2	9.0	--	--	--	--	--	--
Georgia	1,012	1.2	9.3	1,007	0.3	4.6	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	1,637	1.3	10.7	--	--	--	--	--	--
South Carolina	778	1.5	9.3	--	--	--	--	--	--
Virginia	686	1.1	15.0	--	--	--	--	--	--
West Virginia	1,431	2.4	11.5	--	--	--	--	--	--
East South Central	5,592	2.3	10.0	2,157	0.3	5.4	--	--	--
Alabama	1,322	1.5	10.4	1,032	0.3	5.3	--	--	--
Kentucky	2,982	2.9	10.0	288	0.3	5.5	--	--	--
Mississippi	247	1.7	10.4	--	--	--	--	--	--
Tennessee	1,041	2.1	9.4	837	0.3	5.4	--	--	--
West South Central	23	3.2	9.6	5,774	0.3	5.0	1,014	1.1	18.9
Arkansas	--	--	--	1,211	0.3	5.2	--	--	--
Louisiana	23	3.2	9.6	342	0.3	5.5	374	0.7	16.6
Oklahoma	--	--	--	1,547	0.3	4.9	--	--	--
Texas	--	--	--	2,675	0.3	5.0	640	1.4	20.5
Mountain	2,919	0.6	13.5	5,643	0.5	10.0	NM	NM	NM
Arizona	680	0.6	10.7	1,096	0.7	11.6	--	--	--
Colorado	347	0.5	10.8	1,341	0.3	5.5	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	NM	NM	NM
Nevada	157	0.5	11.4	121	0.4	8.5	--	--	--
New Mexico	555	0.8	20.3	837	0.8	22.1	--	--	--
Utah	1,181	0.5	13.2	67	1.0	9.0	--	--	--
Wyoming	--	--	--	2,181	0.5	7.6	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	NM	NM	NM	--	--	--
Alaska	--	--	--	NM	NM	NM	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	21,138	2.0	10.4	28,891	0.3	6.0	3,050	0.9	13.0

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

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

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

Totals may not equal sum of components because of independent rounding. Percentage difference 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 July 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	--	--	--	--	--	--	--	--	--
Massachusetts	NM	NM	NM	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	2,133	3.0	11.1	136	0.3	5.4	--	--	--
New Jersey	79	1.3	11.6	--	--	--	--	--	--
New York	69	2.7	7.9	136	0.3	5.4	--	--	--
Pennsylvania	1,986	3.1	11.2	--	--	--	--	--	--
East North Central	770	2.6	12.3	4,676	0.2	4.9	--	--	--
Illinois	293	3.0	21.0	4,379	0.2	4.9	--	--	--
Indiana	--	--	--	NM	NM	NM	--	--	--
Michigan	NM	NM	NM	--	--	--	--	--	--
Ohio	476	2.4	8.4	156	0.3	5.1	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	1,352	2.6	11.2	60	0.2	4.8	--	--	--
Delaware	54	1.6	8.7	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	427	1.6	8.5	60	0.2	4.8	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	38	0.9	10.0	--	--	--	--	--	--
West Virginia	833	3.3	12.9	--	--	--	--	--	--
East South Central	78	2.9	8.5	--	--	--	335	0.5	15.0
Alabama	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	78	2.9	8.5	--	--	--	335	0.5	15.0
Tennessee	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	3,195	0.3	5.1	3,113	0.9	16.1
Arkansas	--	--	--	132	0.3	5.2	--	--	--
Louisiana	--	--	--	593	0.3	5.0	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--
Texas	--	--	--	2,470	0.4	5.2	3,113	0.9	16.1
Mountain	--	--	--	718	0.7	8.9	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	607	0.7	9.4	--	--	--
Nevada	--	--	--	75	0.4	6.1	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	NM	NM	NM	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	4,345	2.8	11.3	8,786	0.3	5.3	3,449	0.9	16.0

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

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

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

Totals may not equal sum of components because of independent rounding. Percentage difference 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 July 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	27	2.4	9.1	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--
Indiana	18	2.7	9.4	--	--	--	--	--	--
Michigan	4	2.4	10.5	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--
Wisconsin	NM	NM	NM	--	--	--	--	--	--
West North Central	26	3.4	8.3	--	--	--	--	--	--
Iowa	20	3.5	8.0	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	6	3.2	9.2	--	--	--	--	--	--
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	--	--	--	44	0.3	5.8	--	--	--
Alaska	--	--	--	44	0.3	5.8	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	67	2.6	9.3	44	0.3	5.8	--	--	--

\* = 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 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 difference 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 July 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	71	2.4	11.0	NM	NM	NM	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	24	1.8	9.5	--	--	--	--	--	--
Pennsylvania	47	2.8	11.8	NM	NM	NM	--	--	--
East North Central	297	2.9	10.7	118	0.5	6.0	--	--	--
Illinois	175	3.4	12.5	78	0.6	6.5	--	--	--
Indiana	NM	NM	NM	--	--	--	--	--	--
Michigan	NM	NM	NM	NM	NM	NM	--	--	--
Ohio	36	3.3	10.2	--	--	--	--	--	--
Wisconsin	69	1.6	7.1	26	0.3	4.9	--	--	--
West North Central	59	3.3	8.4	292	0.3	5.0	--	--	--
Iowa	45	3.5	8.0	160	0.3	4.6	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	NM	NM	NM	NM	NM	NM	--	--	--
Missouri	NM	NM	NM	--	--	--	--	--	--
Nebraska	--	--	--	NM	NM	NM	--	--	--
North Dakota	--	--	--	NM	NM	NM	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	314	1.5	13.3	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	29	2.1	9.2	--	--	--	--	--	--
Georgia	38	1.1	11.6	--	--	--	--	--	--
Maryland	35	2.4	22.6	--	--	--	--	--	--
North Carolina	40	1.3	10.8	--	--	--	--	--	--
South Carolina	10	0.8	9.1	--	--	--	--	--	--
Virginia	133	1.4	13.8	--	--	--	--	--	--
West Virginia	28	1.3	11.3	--	--	--	--	--	--
East South Central	180	1.0	8.1	--	--	--	--	--	--
Alabama	34	1.2	9.5	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee	146	1.0	7.8	--	--	--	--	--	--
West South Central	NM	NM	NM	NM	NM	NM	NM	NM	NM
Arkansas	NM	NM	NM	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	NM	NM	NM
Oklahoma	--	--	--	NM	NM	NM	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	93	1.4	10.0	NM	NM	NM	--	--	--
Arizona	--	--	--	NM	NM	NM	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	15	2.1	10.8	NM	NM	NM	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	39	0.3	8.7	--	--	--	--	--	--
Wyoming	39	2.1	10.8	--	--	--	--	--	--
Pacific Contiguous	44	0.4	10.8	8	0.3	4.0	--	--	--
California	44	0.4	10.8	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	8	0.3	4.0	--	--	--
Pacific Noncontiguous	NM	NM	NM	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	NM	NM	NM	--	--	--	--	--	--
U.S. Total	1,082	1.9	10.8	525	0.4	5.7	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.

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

Totals may not equal sum of components because of independent rounding. Percentage difference 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, 2002-July 2012 (Million Kilowatthours)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
2002	1,265,180	1,104,497	990,238	--	3,465,466
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	1,423,700	1,319,288	975,569	7,606	3,726,163
<b>2010</b>					
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
September	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
<b>2011</b>					
January	144,911	107,884	79,055	710	332,561
February	120,685	99,368	75,223	633	295,909
March	105,065	103,507	80,817	655	290,044
April	94,069	100,019	79,099	618	273,805
May	97,755	106,841	80,741	615	285,951
June	126,008	117,460	82,775	637	326,881
July	154,888	127,139	85,907	645	368,580
August	153,688	128,200	87,565	620	370,073
September	122,842	117,403	83,311	630	324,186
October	94,576	107,655	82,860	608	285,699
November	93,126	99,782	79,561	584	273,053
December	116,087	104,030	78,655	649	299,421
<b>2012</b>					
January	126,475	105,076	78,640	669	310,859
February	108,145	99,266	77,918	646	285,975
March	99,342	101,806	80,694	612	282,453
April	88,444	100,733	80,444	596	270,217
May	100,629	109,955	84,482	617	295,682
June	123,317	117,708	83,015	609	324,650
July	154,698	128,111	86,506	642	369,957
<b>Year to Date</b>					
2010	847,204	763,903	557,731	4,591	2,173,429
2011	843,381	762,218	563,617	4,514	2,173,730
2012	801,049	762,656	571,698	4,391	2,139,794
<b>Rolling 12 Months Ending in July</b>					
2011	1,441,886	1,328,514	976,759	7,636	3,754,794
2012	1,381,367	1,319,727	983,650	7,483	3,692,226

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. Sales values for 1996-2011 include energy service provider (power marketer) data. Values for 2010 and prior years are final. Values for 2011 and 2012 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report

with State Distributions Report; 1992-2005: 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, 2002-July 2012 (Million Dollars)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
2002	106,834	87,117	48,336	--	249,411
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	167,930	136,138	67,212	805	372,084
<b>2010</b>					
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
September	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
<b>2011</b>					
January	15,867	10,624	5,207	74	31,772
February	13,425	10,005	5,036	68	28,535
March	12,180	10,366	5,337	68	27,951
April	11,053	10,055	5,220	63	26,391
May	11,742	10,978	5,451	66	28,237
June	15,181	12,630	5,966	71	33,848
July	18,842	13,694	6,345	73	38,954
August	18,681	13,876	6,533	68	39,158
September	15,052	12,529	6,022	69	33,672
October	11,476	11,088	5,654	63	28,281
November	11,063	10,042	5,249	59	26,412
December	13,369	10,251	5,190	64	28,875
<b>2012</b>					
January	14,456	10,377	5,112	65	30,010
February	12,495	9,935	5,078	62	27,571
March	11,679	10,089	5,258	60	27,086
April	10,565	9,934	5,178	60	25,737
May	12,046	11,020	5,554	61	28,681
June	14,942	12,288	5,766	62	33,059
July	18,633	13,375	6,212	68	38,288
<b>Year to Date</b>					
2010	96,679	77,442	37,486	486	212,092
2011	98,290	78,352	38,563	482	215,687
2012	94,816	77,018	38,158	438	210,431
<b>Rolling 12 Months Ending in July</b>					
2011	168,392	136,469	66,828	812	372,500
2012	164,456	134,804	66,807	760	366,828

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. Sales values for 1996-2011 include energy service provider (power marketer) data. Values for 2010 and prior years are final. Values for 2011 and 2012 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report

with State Distributions Report; 1992-2005: Form EIA-861, Annual Electric Power Industry Report.

**Table 5.3. Average Retail Price of Electricity to Ultimate Customers:  
Total by End-Use Sector, 2002-July 2012 (Cents per Kilowatthour)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
2002	8.43	7.87	4.88	--	7.18
2003	8.72	8.01	5.11	7.54	7.42
2004	8.94	8.15	5.25	7.18	7.60
2005	9.43	8.64	5.72	8.57	8.11
2006	10.37	9.42	6.15	9.54	8.86
2007	10.64	9.62	6.39	9.70	9.10
2008	11.25	10.32	6.82	10.75	9.71
2009	11.51	10.15	6.81	10.65	9.80
2010	11.55	10.16	6.76	10.57	9.80
2011	11.80	10.29	6.88	10.58	9.95
<b>2010</b>					
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
September	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
<b>2011</b>					
January	10.95	9.85	6.59	10.39	9.55
February	11.12	10.07	6.70	10.69	9.64
March	11.59	10.01	6.60	10.35	9.64
April	11.75	10.05	6.60	10.14	9.64
May	12.01	10.27	6.75	10.80	9.87
June	12.05	10.75	7.21	11.12	10.35
July	12.16	10.77	7.39	11.32	10.57
August	12.15	10.82	7.46	10.93	10.58
September	12.25	10.67	7.23	10.88	10.39
October	12.13	10.30	6.82	10.37	9.90
November	11.88	10.06	6.60	10.04	9.67
December	11.52	9.85	6.60	9.90	9.64
<b>2012</b>					
January	11.43	9.88	6.50	9.73	9.65
February	11.55	10.01	6.52	9.62	9.64
March	11.76	9.91	6.52	9.86	9.59
April	11.95	9.86	6.44	10.05	9.52
May	11.97	10.02	6.57	9.83	9.70
June	12.12	10.44	6.95	10.20	10.18
July	12.04	10.44	7.18	10.56	10.35
<b>Year to Date</b>					
2010	11.41	10.14	6.72	10.58	9.76
2011	11.65	10.28	6.84	10.69	9.92
2012	11.84	10.10	6.67	9.98	9.83
<b>Rolling 12 Months Ending in July</b>					
2011	11.68	10.25	6.84	10.63	9.89
2012	11.90	10.19	6.78	10.16	9.90

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. Sales values for 1996-2011 include energy service provider (power marketer) data. Values for 2010 and prior years are final. Values for 2011 and 2012 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report

with State Distributions Report; 1992-2005: 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, July 2012 and 2011 (Million Kilowatthours)**

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	4,833	4,730	4,211	4,281	2,494	2,510	47	47	11,585	11,567
Connecticut	1,360	1,277	1,256	1,244	329	341	15	15	2,960	2,875
Maine	401	388	371	381	252	261	--	--	1,024	1,030
Massachusetts	2,116	2,102	1,633	1,686	1,526	1,530	30	30	5,305	5,348
New Hampshire	419	403	409	411	180	171	--	--	1,008	985
Rhode Island	354	371	356	375	83	85	2	2	795	834
Vermont	184	189	185	184	125	122	--	--	493	496
Middle Atlantic	14,681	14,647	15,221	15,385	6,059	6,030	336	339	36,297	36,402
New Jersey	3,824	3,887	3,863	3,963	692	707	24	26	8,403	8,583
New York	5,488	5,369	7,318	7,368	1,126	1,154	238	246	14,170	14,137
Pennsylvania	5,369	5,391	4,040	4,054	4,241	4,170	74	67	13,724	13,682
East North Central	23,270	22,244	18,253	18,321	17,731	17,532	53	50	59,307	58,147
Illinois	6,306	5,911	5,015	4,882	4,142	3,851	49	46	15,510	14,689
Indiana	4,010	3,949	2,420	2,440	4,094	4,021	2	1	10,526	10,411
Michigan	4,367	4,014	3,823	4,030	2,751	2,762	1	*	10,942	10,807
Ohio	5,961	5,934	4,675	4,753	4,571	4,807	2	3	15,209	15,496
Wisconsin	2,627	2,437	2,320	2,216	2,172	2,091	--	--	7,119	6,744
West North Central	12,646	11,924	9,894	9,675	8,302	7,990	3	3	30,845	29,592
Iowa	1,751	1,592	1,173	1,135	1,769	1,769	--	--	4,693	4,496
Kansas	1,931	1,922	1,632	1,618	960	1,011	--	--	4,523	4,550
Minnesota	2,487	2,345	2,164	2,104	2,100	2,052	1	1	6,752	6,502
Missouri	4,484	4,322	3,135	3,171	1,540	1,483	2	2	9,160	8,977
Nebraska	1,180	1,028	927	873	1,267	1,094	--	--	3,374	2,995
North Dakota	372	323	443	397	432	358	--	--	1,247	1,077
South Dakota	440	392	421	378	235	224	--	--	1,096	994
South Atlantic	38,237	38,833	29,647	29,861	12,205	12,444	115	116	80,204	81,255
Delaware	582	486	451	404	261	233	--	--	1,293	1,123
District of Columbia	264	272	902	929	18	19	32	31	1,216	1,251
Florida	12,088	12,219	8,695	8,550	1,538	1,553	7	8	22,329	22,330
Georgia	6,556	6,822	4,562	4,649	2,721	2,798	14	14	13,852	14,282
Maryland	3,061	3,092	3,025	3,069	390	449	44	47	6,520	6,657
North Carolina	6,373	6,451	4,574	4,464	2,249	2,330	1	1	13,196	13,246
South Carolina	3,430	3,556	2,172	2,197	2,513	2,458	--	--	8,115	8,211
Virginia	4,894	4,905	4,575	4,854	1,499	1,651	17	16	10,985	11,426
West Virginia	990	1,030	690	745	1,016	953	*	*	2,697	2,729
East South Central	13,335	13,270	8,250	8,327	10,292	10,129	*	*	31,878	31,725
Alabama	3,650	3,687	2,230	2,193	2,912	2,961	--	--	8,792	8,841
Kentucky	3,039	2,948	1,845	1,940	3,377	3,287	--	--	8,261	8,174
Mississippi	2,069	2,206	1,342	1,368	1,474	1,476	--	--	4,885	5,050
Tennessee	4,577	4,429	2,834	2,826	2,529	2,405	*	*	9,940	9,660
West South Central	24,332	26,176	18,680	17,879	13,475	13,843	7	7	56,495	57,905
Arkansas	2,062	2,184	1,230	1,245	1,542	1,553	NM	NM	4,835	4,981
Louisiana	3,443	3,743	2,358	2,390	2,603	2,602	1	1	8,405	8,736
Oklahoma	3,044	3,270	2,070	2,038	1,437	1,453	--	--	6,551	6,760
Texas	15,784	16,979	13,022	12,206	7,893	8,236	6	6	36,704	37,427
Mountain	10,927	10,835	8,931	8,869	7,681	7,617	9	7	27,548	27,329
Arizona	4,140	4,314	2,839	2,897	1,064	1,082	--	--	8,044	8,293
Colorado	1,990	1,878	1,921	1,874	1,441	1,415	4	4	5,356	5,171
Idaho	704	665	529	529	1,281	1,270	--	--	2,514	2,464
Montana	386	362	429	425	376	348	--	--	1,192	1,135
Nevada	1,686	1,663	939	907	1,250	1,202	1	1	3,877	3,774
New Mexico	720	759	894	898	634	625	--	--	2,248	2,283
Utah	1,084	1,001	1,039	976	835	790	3	3	2,961	2,769
Wyoming	216	192	341	362	798	885	--	--	1,355	1,440
Pacific Contiguous	12,054	11,833	14,524	14,034	7,840	7,390	72	75	34,490	33,333
California	8,156	8,189	10,742	10,353	4,270	3,881	69	73	23,237	22,495
Oregon	1,411	1,304	1,390	1,336	1,106	1,105	2	2	3,909	3,747
Washington	2,486	2,341	2,393	2,346	2,463	2,405	1	1	7,343	7,092
Pacific Noncontiguous	382	397	499	506	428	421	--	--	1,310	1,324
Alaska	149	147	225	221	113	104	--	--	488	472
Hawaii	233	250	274	285	315	317	--	--	822	852
U.S. Total	154,698	154,888	128,111	127,139	86,506	85,907	642	645	369,957	368,580

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 and 2012 are preliminary estimates based on a cutoff model sample.

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

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

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 July 2012 and 2011 (Million Kilowatthours)**

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	27,058	28,241	25,674	26,111	15,925	16,139	332	340	68,990	70,831
Connecticut	7,362	7,789	7,490	7,668	2,055	2,132	112	108	17,019	17,697
Maine	2,594	2,604	2,344	2,343	1,750	1,746	--	--	6,687	6,693
Massachusetts	11,554	12,111	10,022	10,208	9,622	9,791	205	215	31,403	32,325
New Hampshire	2,562	2,649	2,551	2,599	1,123	1,104	--	--	6,236	6,352
Rhode Island	1,780	1,823	2,108	2,130	546	543	15	17	4,450	4,513
Vermont	1,206	1,264	1,159	1,164	829	823	--	--	3,194	3,251
Middle Atlantic	76,340	80,677	91,033	92,843	40,590	41,434	2,288	2,411	210,251	217,365
New Jersey	16,677	17,518	22,573	23,001	4,623	4,666	155	191	44,028	45,376
New York	28,803	29,931	43,442	44,159	7,487	7,632	1,617	1,737	81,349	83,459
Pennsylvania	30,860	33,228	25,018	25,682	28,480	29,136	516	484	84,874	88,530
East North Central	112,079	115,383	106,648	107,039	118,644	115,453	389	348	337,759	338,223
Illinois	27,716	28,245	29,305	29,373	26,164	25,361	324	311	83,510	83,291
Indiana	19,586	20,572	14,004	14,026	28,112	27,362	12	12	61,714	61,972
Michigan	20,794	20,925	22,408	22,610	18,482	17,992	32	3	61,716	61,531
Ohio	30,658	32,330	27,329	27,654	32,025	31,225	20	21	90,032	91,231
Wisconsin	13,326	13,311	13,602	13,376	13,860	13,512	--	--	40,788	40,199
West North Central	61,989	64,666	57,831	57,760	52,145	50,361	23	24	171,987	172,811
Iowa	8,638	8,847	7,008	6,972	11,505	11,178	--	--	27,151	26,997
Kansas	8,156	8,561	9,107	9,029	6,285	6,309	--	--	23,547	23,900
Minnesota	13,387	13,710	12,904	13,006	13,373	13,157	10	11	39,674	39,883
Missouri	20,543	21,789	17,977	18,089	10,169	9,913	13	13	48,701	49,805
Nebraska	5,952	6,078	5,392	5,303	6,475	5,994	--	--	17,819	17,375
North Dakota	2,611	2,803	2,883	2,824	2,842	2,411	--	--	8,336	8,038
South Dakota	2,702	2,878	2,560	2,536	1,496	1,398	--	--	6,759	6,812
South Atlantic	197,058	214,348	175,770	178,368	82,208	81,582	761	791	455,796	475,088
Delaware	2,686	2,802	2,499	2,479	1,637	1,465	--	--	6,822	6,747
District of Columbia	1,168	1,270	5,112	5,307	131	130	189	186	6,599	6,893
Florida	63,832	67,860	52,484	52,324	10,036	10,101	49	49	126,401	130,335
Georgia	32,391	35,292	26,873	27,428	18,444	18,496	92	103	77,801	81,319
Maryland	15,546	16,727	17,678	18,164	2,916	2,847	313	335	36,453	38,073
North Carolina	32,365	35,935	26,646	27,327	15,430	15,292	4	4	74,445	78,559
South Carolina	16,853	18,870	12,386	12,638	16,609	16,313	--	--	45,848	47,820
Virginia	25,676	28,406	27,598	28,138	10,088	10,161	111	111	63,472	66,816
West Virginia	6,542	7,186	4,496	4,562	6,917	6,776	NM	2	17,957	18,527
East South Central	67,877	73,691	47,832	48,529	73,039	70,068	1	1	188,749	192,289
Alabama	18,329	20,024	12,861	13,002	19,957	19,410	--	--	51,147	52,436
Kentucky	15,567	16,537	10,799	11,034	26,324	24,778	--	--	52,691	52,349
Mississippi	10,460	11,536	7,855	7,863	9,920	9,505	--	--	28,235	28,904
Tennessee	23,521	25,594	16,317	16,630	16,838	16,375	1	1	56,676	58,600
West South Central	117,952	126,452	106,602	103,258	89,581	91,346	47	44	314,182	321,101
Arkansas	10,281	11,174	6,920	6,948	9,899	9,865	NM	NM	27,101	27,987
Louisiana	17,408	19,084	13,917	13,950	17,945	17,072	6	6	49,277	50,111
Oklahoma	13,278	14,482	11,432	11,339	9,484	9,052	--	--	34,195	34,873
Texas	76,984	81,713	74,332	71,022	52,253	55,357	40	38	203,609	208,130
Mountain	54,920	53,870	53,808	52,942	47,334	45,955	58	51	156,119	152,818
Arizona	18,796	18,391	16,735	16,616	7,072	6,962	--	--	42,604	41,970
Colorado	10,607	10,461	11,464	11,236	8,953	8,749	30	29	31,055	30,475
Idaho	4,804	4,934	3,432	3,423	5,558	4,993	--	--	13,794	13,351
Montana	2,842	2,979	2,812	2,838	2,397	2,306	--	--	8,051	8,123
Nevada	6,984	6,394	5,342	5,080	7,913	7,680	5	5	20,244	19,158
New Mexico	3,978	3,956	5,301	5,250	4,150	3,971	--	--	13,430	13,176
Utah	5,272	5,063	6,195	5,980	5,555	5,373	23	18	17,044	16,434
Wyoming	1,636	1,692	2,525	2,519	5,737	5,920	--	--	9,898	10,131
Pacific Contiguous	82,923	83,089	93,947	91,766	49,351	48,416	493	504	226,715	223,776
California	49,745	49,168	67,924	65,817	26,111	25,367	475	486	144,255	140,839
Oregon	11,281	11,521	9,084	9,005	7,025	6,900	15	14	27,405	27,439
Washington	21,897	22,400	16,938	16,945	16,215	16,150	4	4	55,055	55,498
Pacific Noncontiguous	2,851	2,963	3,512	3,602	2,882	2,864	--	--	9,245	9,428
Alaska	1,252	1,245	1,662	1,645	787	757	--	--	3,701	3,647
Hawaii	1,600	1,718	1,850	1,957	2,095	2,106	--	--	5,545	5,781
U.S. Total	801,049	843,381	762,656	762,218	571,698	563,617	4,391	4,514	2,139,794	2,173,730

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 and 2012 are preliminary estimates based on a cutoff model sample.

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

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

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, July 2012 and 2011 (Million Dollars)**

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	749	734	583	609	312	324	3	4	1,647	1,671
Connecticut	232	231	183	191	42	46	1	2	459	469
Maine	59	59	42	46	19	24	--	--	121	129
Massachusetts	311	300	234	245	207	211	1	2	754	758
New Hampshire	66	66	55	57	21	21	--	--	142	144
Rhode Island	49	48	42	45	9	10	*	*	101	103
Vermont	31	31	27	26	13	12	--	--	70	68
Middle Atlantic	2,319	2,404	2,111	2,266	470	513	43	46	4,944	5,229
New Jersey	618	634	528	570	80	88	2	3	1,229	1,295
New York	1,019	1,035	1,209	1,277	80	93	35	37	2,343	2,441
Pennsylvania	682	736	375	419	309	332	6	6	1,372	1,493
East North Central	2,804	2,709	1,751	1,758	1,211	1,196	3	3	5,768	5,666
Illinois	682	705	409	430	247	251	3	3	1,340	1,389
Indiana	392	395	213	214	263	259	*	*	868	867
Michigan	658	552	444	422	234	213	*	*	1,336	1,188
Ohio	720	733	434	457	297	313	*	*	1,451	1,502
Wisconsin	351	324	251	235	171	160	--	--	773	719
West North Central	1,445	1,342	907	880	571	539	*	*	2,923	2,761
Iowa	203	184	104	99	106	103	--	--	412	386
Kansas	225	217	153	149	69	72	--	--	447	439
Minnesota	295	272	199	192	145	140	*	*	639	605
Missouri	505	486	296	299	109	107	*	*	910	893
Nebraska	134	111	85	77	96	78	--	--	314	266
North Dakota	37	32	36	32	30	23	--	--	104	88
South Dakota	46	40	35	31	16	14	--	--	97	85
South Atlantic	4,443	4,489	2,825	2,871	865	907	10	12	8,143	8,279
Delaware	78	67	45	42	24	22	--	--	147	131
District of Columbia	32	35	107	118	1	1	3	4	143	158
Florida	1,397	1,441	841	847	129	145	1	1	2,367	2,433
Georgia	784	816	458	471	193	211	1	1	1,436	1,499
Maryland	398	409	321	350	33	41	4	5	756	805
North Carolina	701	674	413	377	160	155	*	*	1,275	1,205
South Carolina	391	394	214	210	158	159	--	--	763	763
Virginia	564	555	367	398	103	112	1	1	1,035	1,066
West Virginia	98	98	59	60	65	62	*	*	221	220
East South Central	1,358	1,353	808	814	696	697	*	*	2,862	2,864
Alabama	419	418	238	234	205	210	--	--	863	862
Kentucky	275	269	154	162	190	187	--	--	620	617
Mississippi	208	221	124	128	100	104	--	--	432	454
Tennessee	455	445	291	291	200	195	*	*	947	931
West South Central	2,520	2,805	1,498	1,568	771	890	1	1	4,790	5,264
Arkansas	199	210	97	98	97	99	NM	NM	393	407
Louisiana	291	354	179	207	119	163	*	*	589	724
Oklahoma	276	316	154	168	77	88	--	--	507	572
Texas	1,754	1,926	1,068	1,095	479	540	1	1	3,301	3,561
Mountain	1,263	1,227	842	832	541	532	1	1	2,647	2,591
Arizona	491	511	292	302	80	80	--	--	862	893
Colorado	243	228	187	188	106	111	*	*	537	527
Idaho	67	57	39	35	81	74	--	--	187	166
Montana	41	38	39	40	19	19	--	--	100	96
Nevada	194	191	82	79	112	115	*	*	389	385
New Mexico	88	90	89	84	40	41	--	--	217	215
Utah	116	95	86	75	52	44	*	*	255	213
Wyoming	22	19	28	29	50	47	--	--	100	95
Pacific Contiguous	1,616	1,659	1,921	1,966	656	639	6	7	4,198	4,270
California	1,255	1,331	1,623	1,681	492	480	6	6	3,375	3,498
Oregon	143	129	116	110	64	62	*	*	323	300
Washington	217	200	182	175	100	97	*	*	500	471
Pacific Noncontiguous	117	118	130	131	119	110	--	--	366	360
Alaska	29	28	33	34	20	16	--	--	82	78
Hawaii	88	91	97	97	99	94	--	--	283	282
U.S. Total	18,633	18,842	13,375	13,694	6,212	6,345	68	73	38,288	38,954

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 and 2012 are preliminary estimates based on a cutoff model sample.

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

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

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 July 2012 and 2011 (Million Dollars)**

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	4,290	4,499	3,551	3,748	1,938	2,046	23	27	9,801	10,320
Connecticut	1,274	1,408	1,102	1,199	264	287	11	11	2,651	2,905
Maine	382	402	273	289	135	162	--	--	789	853
Massachusetts	1,756	1,776	1,405	1,462	1,264	1,316	10	14	4,435	4,568
New Hampshire	417	437	345	368	132	138	--	--	893	944
Rhode Island	257	272	260	268	60	61	2	2	580	604
Vermont	204	204	167	162	84	81	--	--	454	447
Middle Atlantic	11,663	12,658	11,781	12,718	3,062	3,463	276	306	26,782	29,145
New Jersey	2,668	2,851	2,906	3,138	490	549	15	21	6,079	6,559
New York	5,010	5,426	6,525	6,996	514	615	221	242	12,270	13,279
Pennsylvania	3,984	4,382	2,351	2,584	2,059	2,298	41	43	8,434	9,307
East North Central	13,456	13,376	10,176	10,152	7,781	7,564	25	24	31,439	31,115
Illinois	3,199	3,286	2,429	2,542	1,571	1,649	20	21	7,220	7,498
Indiana	2,018	2,032	1,275	1,219	1,816	1,699	1	1	5,110	4,952
Michigan	2,923	2,705	2,453	2,332	1,418	1,323	3	*	6,797	6,361
Ohio	3,551	3,628	2,586	2,666	1,954	1,907	1	1	8,091	8,202
Wisconsin	1,765	1,725	1,433	1,393	1,023	985	--	--	4,221	4,102
West North Central	6,500	6,441	4,863	4,743	3,235	3,058	2	2	14,600	14,244
Iowa	930	917	555	550	602	580	--	--	2,087	2,047
Kansas	905	905	830	792	433	424	--	--	2,168	2,122
Minnesota	1,504	1,491	1,124	1,124	870	854	1	1	3,499	3,471
Missouri	2,083	2,090	1,475	1,452	604	586	1	1	4,163	4,128
Nebraska	582	548	450	422	439	377	--	--	1,471	1,347
North Dakota	231	229	225	209	188	149	--	--	645	587
South Dakota	265	261	205	195	98	88	--	--	568	544
South Atlantic	22,465	23,895	16,645	16,914	5,399	5,499	63	73	44,573	46,381
Delaware	365	383	249	268	136	137	--	--	750	788
District of Columbia	144	175	621	697	6	10	16	20	788	902
Florida	7,404	7,894	5,180	5,209	836	912	4	4	13,424	14,019
Georgia	3,559	3,870	2,568	2,726	1,086	1,227	7	8	7,220	7,831
Maryland	2,010	2,270	1,881	2,095	238	259	25	31	4,154	4,655
North Carolina	3,495	3,622	2,312	2,195	986	912	*	*	6,793	6,730
South Carolina	1,952	2,056	1,184	1,171	988	966	--	--	4,124	4,194
Virginia	2,893	2,965	2,273	2,188	686	662	10	9	5,862	5,824
West Virginia	643	661	378	365	436	413	NM	*	1,457	1,439
East South Central	6,863	7,321	4,651	4,689	4,417	4,279	*	*	15,931	16,289
Alabama	2,063	2,187	1,356	1,346	1,232	1,203	--	--	4,651	4,736
Kentucky	1,422	1,483	924	923	1,407	1,308	--	--	3,752	3,713
Mississippi	1,071	1,171	733	752	615	625	--	--	2,419	2,547
Tennessee	2,308	2,480	1,637	1,668	1,163	1,143	*	*	5,108	5,292
West South Central	12,249	13,219	8,656	8,917	4,880	5,469	5	4	25,790	27,610
Arkansas	943	985	530	517	550	546	NM	*	2,023	2,047
Louisiana	1,461	1,708	1,086	1,181	849	971	1	1	3,397	3,861
Oklahoma	1,245	1,342	828	846	489	500	--	--	2,562	2,689
Texas	8,600	9,184	6,212	6,373	2,992	3,452	4	4	17,808	19,014
Mountain	5,944	5,646	4,778	4,642	2,891	2,771	5	5	13,618	13,064
Arizona	2,111	2,035	1,587	1,580	454	455	--	--	4,152	4,070
Colorado	1,192	1,164	1,049	1,040	614	611	3	3	2,859	2,817
Idaho	401	396	232	226	309	263	--	--	942	885
Montana	283	286	255	258	119	120	--	--	657	664
Nevada	830	750	473	460	500	504	*	*	1,803	1,715
New Mexico	448	422	479	454	241	241	--	--	1,168	1,116
Utah	519	442	497	431	310	267	2	2	1,329	1,143
Wyoming	158	150	205	193	344	311	--	--	708	655
Pacific Contiguous	10,560	10,450	11,020	10,978	3,769	3,733	38	41	25,387	25,202
California	7,592	7,514	8,957	8,971	2,717	2,735	37	40	19,303	19,260
Oregon	1,110	1,092	760	737	390	374	1	1	2,262	2,204
Washington	1,858	1,844	1,303	1,270	661	624	*	*	3,822	3,738
Pacific Noncontiguous	826	785	897	851	787	681	--	--	2,510	2,316
Alaska	225	214	245	248	134	115	--	--	604	577
Hawaii	601	570	653	604	653	566	--	--	1,906	1,739
U.S. Total	94,816	98,290	77,018	78,352	38,158	38,563	438	482	210,431	215,687

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 and 2012 are preliminary estimates based on a cutoff model sample.

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

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

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, July 2012 and 2011 (Cents per Kilowatt-hour)**

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	15.49	15.52	13.85	14.23	12.50	12.90	06.76	08.12	14.22	14.44
Connecticut	17.08	18.06	14.60	15.37	12.77	13.39	09.43	10.68	15.51	16.31
Maine	14.73	15.14	11.32	12.03	07.72	09.30	--	--	11.77	12.51
Massachusetts	14.70	14.27	14.34	14.50	13.58	13.80	05.01	06.44	14.21	14.17
New Hampshire	15.85	16.31	13.37	13.95	11.90	12.42	--	--	14.13	14.65
Rhode Island	13.89	13.05	11.80	11.97	10.93	11.24	12.55	13.86	12.64	12.38
Vermont	16.84	16.18	14.51	13.85	10.17	09.80	--	--	14.28	13.74
Middle Atlantic	15.80	16.42	13.87	14.73	07.76	08.51	12.89	13.60	13.62	14.37
New Jersey	16.16	16.30	13.67	14.38	11.63	12.49	10.27	12.22	14.62	15.09
New York	18.57	19.27	16.52	17.33	07.14	08.02	14.79	15.08	16.54	17.27
Pennsylvania	12.70	13.65	09.28	10.34	07.29	07.96	07.66	08.72	09.99	10.91
East North Central	12.05	12.18	09.59	09.59	06.83	06.82	06.30	06.44	09.73	09.74
Illinois	10.82	11.93	08.15	08.81	05.95	06.53	06.16	06.28	08.64	09.46
Indiana	09.79	10.00	08.80	08.75	06.41	06.44	08.66	10.12	08.25	08.33
Michigan	15.06	13.76	11.61	10.48	08.50	07.70	07.21	09.29	12.21	10.99
Ohio	12.08	12.35	09.29	09.61	06.49	06.50	07.29	06.85	09.54	09.69
Wisconsin	13.38	13.30	10.82	10.61	07.88	07.65	--	--	10.86	10.67
West North Central	11.43	11.25	09.17	09.10	06.88	06.74	09.63	09.51	09.48	09.33
Iowa	11.59	11.57	08.85	08.73	05.98	05.82	--	--	08.79	08.59
Kansas	11.67	11.31	09.36	09.23	07.17	07.12	--	--	09.88	09.64
Minnesota	11.86	11.60	09.18	09.14	06.92	06.85	09.02	09.29	09.46	09.30
Missouri	11.26	11.24	09.43	09.44	07.10	07.25	10.13	09.70	09.93	09.94
Nebraska	11.32	10.77	09.16	08.79	07.56	07.16	--	--	09.31	08.87
North Dakota	09.97	09.92	08.23	08.17	06.95	06.48	--	--	08.31	08.13
South Dakota	10.48	10.19	08.33	08.17	06.88	06.38	--	--	08.88	08.56
South Atlantic	11.62	11.56	09.53	09.61	07.08	07.29	08.92	09.92	10.15	10.19
Delaware	13.34	13.81	10.09	10.43	09.03	09.30	--	--	11.34	11.66
District of Columbia	12.25	13.03	11.84	12.67	05.38	07.61	08.96	11.35	11.76	12.64
Florida	11.56	11.79	09.67	09.90	08.36	09.31	08.44	08.58	10.60	10.89
Georgia	11.96	11.96	10.03	10.12	07.09	07.53	09.14	09.57	10.37	10.49
Maryland	13.00	13.23	10.60	11.40	08.40	09.24	09.13	09.93	11.59	12.09
North Carolina	11.01	10.45	09.03	08.44	07.13	06.63	08.00	06.99	09.66	09.10
South Carolina	11.41	11.08	09.86	09.55	06.28	06.46	--	--	09.41	09.29
Virginia	11.52	11.32	08.03	08.19	06.87	06.78	08.33	08.17	09.43	09.33
West Virginia	09.87	09.54	08.48	08.00	06.36	06.46	08.41	08.65	08.19	08.04
East South Central	10.18	10.20	09.79	09.78	06.76	06.88	10.47	11.42	08.98	09.03
Alabama	11.48	11.33	10.69	10.66	07.05	07.10	--	--	09.81	09.75
Kentucky	09.06	09.12	08.35	08.34	05.64	05.68	--	--	07.50	07.55
Mississippi	10.06	10.03	09.25	09.35	06.79	07.08	--	--	08.85	08.98
Tennessee	09.95	10.06	10.28	10.28	07.92	08.12	10.47	11.42	09.53	09.64
West South Central	10.36	10.72	08.02	08.77	05.72	06.43	10.39	10.10	08.48	09.09
Arkansas	09.66	09.60	07.89	07.90	06.27	06.40	NM	NM	08.13	08.18
Louisiana	08.45	09.46	07.58	08.65	04.58	06.26	09.21	09.73	07.01	08.29
Oklahoma	09.08	09.65	07.45	08.23	05.33	06.09	--	--	07.74	08.46
Texas	11.11	11.34	08.20	08.97	06.06	06.55	10.56	10.15	08.99	09.52
Mountain	11.56	11.32	09.43	09.38	07.05	06.98	09.69	10.18	09.61	09.48
Arizona	11.85	11.84	10.27	10.42	07.50	07.41	--	--	10.72	10.77
Colorado	12.23	12.14	09.73	10.01	07.34	07.85	09.66	10.59	10.02	10.19
Idaho	09.53	08.53	07.37	06.71	06.35	05.83	--	--	07.45	06.75
Montana	10.63	10.42	09.14	09.34	05.15	05.34	--	--	08.36	08.46
Nevada	11.51	11.46	08.78	08.73	08.96	09.61	09.40	10.16	10.03	10.21
New Mexico	12.22	11.83	09.92	09.40	06.38	06.58	--	--	09.66	09.44
Utah	10.69	09.44	08.28	07.64	06.27	05.57	09.79	09.63	08.60	07.70
Wyoming	10.40	09.72	08.21	07.90	06.26	05.33	--	--	07.41	06.56
Pacific Contiguous	13.41	14.02	13.22	14.01	08.37	08.64	08.08	08.80	12.17	12.81
California	15.39	16.25	15.11	16.24	11.51	12.37	08.08	08.84	14.53	15.55
Oregon	10.13	09.87	08.33	08.20	05.78	05.61	08.30	07.76	08.26	08.02
Washington	08.74	08.53	07.61	07.46	04.08	04.02	07.76	07.57	06.81	06.64
Pacific Noncontiguous	30.51	29.79	26.03	25.92	27.83	26.21	--	--	27.93	27.17
Alaska	19.31	18.86	14.77	15.59	17.85	15.43	--	--	16.88	16.58
Hawaii	37.70	36.23	35.29	33.94	31.41	29.74	--	--	34.49	33.05
U.S. Total	12.04	12.16	10.44	10.77	07.18	07.39	10.56	11.32	10.35	10.57

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 and 2012 are preliminary estimates based on a cutoff model sample.

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

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

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 July 2012 and 2011 (Cents per Kilowatthour)**

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011	July 2012	July 2011
New England	15.85	15.93	13.83	14.35	12.17	12.68	6.95	7.98	14.21	14.57
Connecticut	17.31	18.08	14.71	15.63	12.85	13.46	10.01	10.20	15.58	16.42
Maine	14.71	15.45	11.64	12.32	7.69	9.27	--	--	11.80	12.74
Massachusetts	15.20	14.66	14.02	14.32	13.13	13.44	4.77	6.40	14.12	14.13
New Hampshire	16.27	16.50	13.51	14.16	11.72	12.53	--	--	14.32	14.85
Rhode Island	14.46	14.90	12.33	12.61	11.00	11.31	13.69	14.04	13.02	13.38
Vermont	16.87	16.12	14.38	13.90	10.08	9.85	--	--	14.20	13.74
Middle Atlantic	15.28	15.69	12.94	13.70	7.54	8.36	12.06	12.70	12.74	13.41
New Jersey	16.00	16.27	12.87	13.64	10.59	11.77	9.48	10.93	13.81	14.45
New York	17.40	18.13	15.02	15.84	6.86	8.06	13.66	13.95	15.08	15.91
Pennsylvania	12.91	13.19	9.40	10.06	7.23	7.89	7.85	8.92	9.94	10.51
East North Central	12.01	11.59	9.54	9.48	6.56	6.55	6.55	6.84	9.31	9.20
Illinois	11.54	11.63	8.29	8.65	6.01	6.50	6.24	6.71	8.65	9.00
Indiana	10.30	9.88	9.10	8.69	6.46	6.21	9.68	9.73	8.28	7.99
Michigan	14.06	12.93	10.95	10.32	7.67	7.35	8.31	9.38	11.01	10.34
Ohio	11.58	11.22	9.46	9.64	6.10	6.11	6.84	6.55	8.99	8.99
Wisconsin	13.24	12.96	10.53	10.41	7.38	7.29	--	--	10.35	10.21
West North Central	10.49	9.96	8.41	8.21	6.20	6.07	7.56	7.46	8.49	8.24
Iowa	10.76	10.36	7.92	7.89	5.24	5.19	--	--	7.69	7.58
Kansas	11.10	10.57	9.11	8.78	6.89	6.72	--	--	9.21	8.88
Minnesota	11.24	10.88	8.71	8.64	6.51	6.49	8.52	8.54	8.82	8.70
Missouri	10.14	9.59	8.21	8.03	5.94	5.91	6.79	6.58	8.55	8.29
Nebraska	9.78	9.02	8.34	7.96	6.79	6.29	--	--	8.25	7.75
North Dakota	8.86	8.17	7.81	7.39	6.62	6.18	--	--	7.73	7.30
South Dakota	9.80	9.07	8.01	7.68	6.58	6.29	--	--	8.41	7.98
South Atlantic	11.40	11.15	9.47	9.48	6.57	6.74	8.31	9.25	9.78	9.76
Delaware	13.58	13.66	9.98	10.80	8.29	9.37	--	--	10.99	11.68
District of Columbia	12.34	13.79	12.15	13.13	4.94	7.50	8.60	10.89	11.94	13.09
Florida	11.60	11.63	9.87	9.95	8.33	9.03	8.47	8.84	10.62	10.76
Georgia	10.99	10.96	9.55	9.94	5.89	6.64	7.83	7.95	9.28	9.63
Maryland	12.93	13.57	10.64	11.53	8.17	9.11	8.11	9.27	11.40	12.23
North Carolina	10.80	10.08	8.68	8.03	6.39	5.97	7.87	6.91	9.13	8.57
South Carolina	11.59	10.90	9.56	9.27	5.95	5.92	--	--	9.00	8.77
Virginia	11.27	10.44	8.23	7.78	6.80	6.52	8.73	7.94	9.23	8.72
West Virginia	9.82	9.19	8.41	8.00	6.31	6.10	8.73	8.94	8.12	7.77
East South Central	10.11	9.93	9.72	9.66	6.05	6.11	11.22	12.21	8.44	8.47
Alabama	11.26	10.92	10.55	10.36	6.17	6.20	--	--	9.09	9.03
Kentucky	9.13	8.97	8.55	8.36	5.34	5.28	--	--	7.12	7.09
Mississippi	10.23	10.15	9.34	9.56	6.20	6.57	--	--	8.57	8.81
Tennessee	9.81	9.69	10.04	10.03	6.91	6.98	11.22	12.21	9.01	9.03
West South Central	10.38	10.45	8.12	8.64	5.45	5.99	10.27	9.86	8.21	8.60
Arkansas	9.17	8.81	7.66	7.44	5.56	5.53	NM	NM	7.46	7.31
Louisiana	8.40	8.95	7.80	8.47	4.73	5.69	8.44	8.74	6.89	7.70
Oklahoma	9.38	9.27	7.25	7.46	5.16	5.52	--	--	7.49	7.71
Texas	11.17	11.24	8.36	8.97	5.73	6.24	10.55	10.03	8.75	9.14
Mountain	10.82	10.48	8.88	8.77	6.11	6.03	9.38	9.36	8.72	8.55
Arizona	11.23	11.06	9.48	9.51	6.42	6.53	--	--	9.75	9.70
Colorado	11.24	11.13	9.15	9.25	6.86	6.99	9.33	9.62	9.21	9.25
Idaho	8.35	8.03	6.76	6.61	5.56	5.26	--	--	6.83	6.63
Montana	9.96	9.60	9.07	9.11	4.96	5.19	--	--	8.16	8.17
Nevada	11.89	11.73	8.85	9.06	6.31	6.56	8.08	8.47	8.91	8.95
New Mexico	11.27	10.68	9.04	8.64	5.80	6.06	--	--	8.70	8.47
Utah	9.85	8.73	8.03	7.21	5.58	4.98	9.73	9.17	7.80	6.95
Wyoming	9.66	8.88	8.13	7.66	6.00	5.26	--	--	7.15	6.46
Pacific Contiguous	12.73	12.58	11.73	11.96	7.64	7.71	7.75	8.13	11.20	11.26
California	15.26	15.28	13.19	13.63	10.41	10.78	7.74	8.14	13.38	13.68
Oregon	9.84	9.48	8.37	8.18	5.55	5.42	8.26	7.83	8.25	8.03
Washington	8.48	8.23	7.69	7.49	4.08	3.87	7.82	8.55	6.94	6.74
Pacific Noncontiguous	28.97	26.48	25.55	23.63	27.31	23.77	--	--	27.15	24.57
Alaska	18.01	17.23	14.71	15.05	17.04	15.19	--	--	16.33	15.82
Hawaii	37.54	33.19	35.29	30.84	31.17	26.86	--	--	34.38	30.09
U.S. Total	11.84	11.65	10.10	10.28	6.67	6.84	9.98	10.69	9.83	9.92

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 and 2012 are preliminary estimates based on a cutoff model sample.

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

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

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 A1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Total (All Sectors) by Census Division and State, July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	7	7	--	1	0	0	11
Connecticut	0	9	--	2	0	0	60
Maine	0	9	--	3	--	--	13
Massachusetts	11	19	--	2	--	0	36
New Hampshire	0	22	--	*	--	0	23
Rhode Island	--	137	--	3	--	--	568
Vermont	--	294	--	0	--	0	33
<b>Middle Atlantic</b>	1	4	513	1	14	0	3
New Jersey	4	38	--	2	46	0	187
New York	6	4	0	2	--	0	3
Pennsylvania	1	7	513	1	12	0	20
<b>East North Central</b>	*	3	10	1	6	0	20
Illinois	*	15	--	3	46	0	77
Indiana	*	7	0	3	6	--	15
Michigan	1	12	83	3	0	0	38
Ohio	1	3	12	2	39	0	21
Wisconsin	1	12	0	4	0	0	28
<b>West North Central</b>	1	11	0	3	64	0	7
Iowa	2	17	0	11	--	0	40
Kansas	0	69	0	9	--	0	327
Minnesota	3	25	0	5	--	0	45
Missouri	1	14	0	5	0	0	22
Nebraska	2	42	--	12	--	0	36
North Dakota	3	38	--	352	80	--	0
South Dakota	7	117	--	37	--	--	0
<b>South Atlantic</b>	*	2	0	*	12	0	6
Delaware	2	24	--	5	0	--	--
District of Columbia	--	0	--	0	--	--	--
Florida	1	2	0	1	0	0	88
Georgia	*	18	0	1	--	0	11
Maryland	1	10	--	5	36	0	0
North Carolina	1	14	--	1	--	0	10
South Carolina	1	14	0	2	0	0	21
Virginia	2	2	--	1	--	0	16
West Virginia	*	3	--	5	0	--	23
<b>East South Central</b>	*	10	0	1	17	0	5
Alabama	*	28	--	1	18	0	7
Kentucky	1	8	0	4	0	--	8
Mississippi	1	28	--	1	0	0	--
Tennessee	*	7	--	1	0	0	7
<b>West South Central</b>	*	9	7	*	4	0	12
Arkansas	0	49	0	1	--	0	14
Louisiana	0	5	10	1	9	0	0
Oklahoma	*	112	1,282	1	--	--	28
Texas	0	10	4	*	5	0	36
<b>Mountain</b>	1	9	0	1	14	0	4
Arizona	*	11	0	1	--	0	4
Colorado	1	119	--	2	0	--	30
Idaho	56	1,787	--	14	--	--	9
Montana	8	30	0	103	307	--	5
Nevada	0	5	--	1	0	--	5
New Mexico	0	12	--	3	--	--	91
Utah	2	39	--	6	124	--	51
Wyoming	2	10	--	55	7	--	11
<b>Pacific Contiguous</b>	6	23	160	2	5	0	2
California	11	15	160	1	7	0	5
Oregon	0	0	--	6	--	--	3
Washington	0	155	--	21	0	0	2
<b>Pacific Noncontiguous</b>	4	2	--	18	158	--	33
Alaska	12	11	--	18	--	--	34
Hawaii	3	1	--	--	158	--	121
<b>U.S. Total</b>	*	1	4	*	3	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 A1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Total (All Sectors) by Census Division and State, July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	--	<b>0</b>	<b>108</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>
Connecticut	--	--	0	--	8	0	4	1
Maine	0	--	0	--	2	--	10	3
Massachusetts	0	--	0	115	9	0	4	2
New Hampshire	0	--	0	--	12	--	27	1
Rhode Island	0	--	0	--	32	--	--	3
Vermont	0	--	0	317	14	--	--	4
<b>Middle Atlantic</b>	<b>0</b>	--	<b>0</b>	<b>30</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>
New Jersey	0	--	0	37	13	0	5	1
New York	0	--	0	18	4	0	6	1
Pennsylvania	0	--	0	89	5	0	5	1
<b>East North Central</b>	<b>0</b>	--	<b>0</b>	<b>60</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>*</b>
Illinois	0	--	0	75	4	--	0	*
Indiana	0	--	0	--	4	--	3	1
Michigan	0	--	0	--	6	0	8	1
Ohio	0	--	0	96	8	--	0	1
Wisconsin	0	--	0	--	6	--	26	2
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	--	<b>1</b>	<b>0</b>	<b>9</b>	<b>1</b>
Iowa	0	--	0	--	1	--	--	2
Kansas	0	--	--	--	1	--	--	1
Minnesota	0	0	0	--	4	--	10	2
Missouri	0	--	0	--	4	0	0	1
Nebraska	0	--	0	--	4	--	--	2
North Dakota	0	--	0	--	4	--	36	2
South Dakota	0	--	--	--	2	--	0	5
<b>South Atlantic</b>	<b>0</b>	--	<b>0</b>	<b>26</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>*</b>
Delaware	0	--	0	133	29	--	--	3
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	0	23	4	--	3	*
Georgia	--	--	0	470	3	0	6	*
Maryland	0	--	0	108	7	--	*	1
North Carolina	--	--	0	95	4	0	51	*
South Carolina	--	--	0	--	2	0	0	*
Virginia	--	--	0	--	4	0	6	1
West Virginia	0	--	--	--	0	--	0	*
<b>East South Central</b>	<b>0</b>	--	<b>0</b>	--	<b>2</b>	<b>0</b>	<b>73</b>	<b>*</b>
Alabama	--	--	0	--	3	--	0	*
Kentucky	--	--	0	--	8	--	0	1
Mississippi	--	--	0	--	3	--	118	1
Tennessee	0	--	0	--	7	0	0	*
<b>West South Central</b>	<b>0</b>	--	<b>0</b>	<b>42</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>*</b>
Arkansas	--	--	0	--	3	0	0	1
Louisiana	--	--	0	--	5	--	8	1
Oklahoma	0	--	0	--	2	0	0	1
Texas	0	--	0	42	1	--	18	*
<b>Mountain</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>1</b>
Arizona	0	--	0	11	9	0	0	*
Colorado	0	0	0	33	3	0	35	1
Idaho	0	27	0	--	9	--	0	7
Montana	0	0	--	--	6	--	0	5
Nevada	--	6	--	10	5	--	0	1
New Mexico	0	--	0	35	7	--	--	1
Utah	0	4	0	412	5	--	5	2
Wyoming	0	--	--	--	4	--	0	2
<b>Pacific Contiguous</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>1</b>
California	0	2	0	11	2	0	9	1
Oregon	0	--	0	229	2	--	33	3
Washington	0	--	0	0	2	0	14	2
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>237</b>	<b>6</b>	<b>--</b>	<b>0</b>	<b>5</b>
Alaska	0	--	0	--	131	--	0	12
Hawaii	0	0	0	237	6	--	0	2
<b>U.S. Total</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>*</b>

\* = 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 A1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Total (All Sectors) by Census Division and State, Year-to-Date through July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>5</b>	<b>3</b>	--	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>
Connecticut	0	6	--	1	0	0	25
Maine	0	4	--	1	--	--	6
Massachusetts	9	6	--	1	--	0	7
New Hampshire	6	12	--	2	--	0	8
Rhode Island	--	50	--	1	--	--	247
Vermont	--	150	--	0	--	0	14
<b>Middle Atlantic</b>	<b>1</b>	<b>3</b>	<b>112</b>	<b>*</b>	<b>4</b>	<b>0</b>	<b>1</b>
New Jersey	2	39	--	1	15	0	6
New York	7	4	125	1	--	0	1
Pennsylvania	1	5	217	*	3	0	4
<b>East North Central</b>	<b>*</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>5</b>
Illinois	*	4	--	1	16	0	34
Indiana	*	2	0	1	2	--	11
Michigan	1	4	35	1	0	0	7
Ohio	*	1	6	1	9	0	15
Wisconsin	1	9	0	2	0	0	9
<b>West North Central</b>	<b>*</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>21</b>	<b>0</b>	<b>2</b>
Iowa	1	4	0	8	--	0	13
Kansas	0	7	0	6	--	0	143
Minnesota	1	15	0	2	--	0	14
Missouri	*	4	0	3	0	0	3
Nebraska	1	5	--	11	--	0	11
North Dakota	1	8	--	120	28	--	0
South Dakota	3	38	--	31	--	--	0
<b>South Atlantic</b>	<b>*</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>2</b>	<b>0</b>	<b>2</b>
Delaware	1	10	--	2	0	--	--
District of Columbia	--	0	--	0	--	--	--
Florida	*	3	0	*	0	0	38
Georgia	*	6	0	*	--	0	4
Maryland	1	4	--	2	6	0	1
North Carolina	*	7	--	1	--	0	5
South Carolina	*	6	0	1	0	0	4
Virginia	1	2	--	1	--	0	2
West Virginia	*	1	--	20	0	--	7
<b>East South Central</b>	<b>*</b>	<b>3</b>	<b>0</b>	<b>*</b>	<b>6</b>	<b>0</b>	<b>2</b>
Alabama	*	10	--	1	6	0	3
Kentucky	*	2	0	2	0	--	3
Mississippi	*	11	--	*	0	0	--
Tennessee	*	1	--	*	0	0	3
<b>West South Central</b>	<b>*</b>	<b>2</b>	<b>3</b>	<b>*</b>	<b>2</b>	<b>0</b>	<b>3</b>
Arkansas	0	4	0	1	--	0	4
Louisiana	0	2	4	*	3	0	0
Oklahoma	*	13	341	1	--	--	7
Texas	*	3	2	*	2	0	14
<b>Mountain</b>	<b>*</b>	<b>3</b>	<b>0</b>	<b>*</b>	<b>5</b>	<b>0</b>	<b>1</b>
Arizona	*	4	0	*	--	0	1
Colorado	1	23	--	1	0	--	7
Idaho	28	386	--	7	--	--	3
Montana	3	14	0	68	83	--	2
Nevada	0	2	--	*	0	--	2
New Mexico	2	6	--	2	--	--	27
Utah	1	9	--	2	43	--	15
Wyoming	1	5	--	17	2	--	4
<b>Pacific Contiguous</b>	<b>2</b>	<b>8</b>	<b>40</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>*</b>
California	5	4	40	1	2	0	2
Oregon	0	0	--	1	--	--	1
Washington	0	29	--	6	0	0	1
<b>Pacific Noncontiguous</b>	<b>2</b>	<b>1</b>	<b>--</b>	<b>5</b>	<b>71</b>	<b>--</b>	<b>8</b>
Alaska	5	3	--	5	--	--	9
Hawaii	1	1	--	--	71	--	36
<b>U.S. Total</b>	<b>*</b>	<b>1</b>	<b>2</b>	<b>*</b>	<b>1</b>	<b>0</b>	<b>*</b>

\* = 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 A1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Total (All Sectors) by Census Division and State, Year-to-Date through July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>3</b>	--	<b>2</b>	<b>50</b>	<b>1</b>	<b>0</b>	<b>1</b>	*
Connecticut	--	--	3	--	3	0	2	*
Maine	1	--	1	--	1	--	4	2
Massachusetts	22	--	3	54	3	0	2	1
New Hampshire	15	--	6	--	5	--	12	1
Rhode Island	83	--	11	--	11	--	--	1
Vermont	0	--	9	133	6	--	--	3
<b>Middle Atlantic</b>	<b>1</b>	--	<b>1</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>1</b>	*
New Jersey	39	--	3	16	4	0	2	*
New York	1	--	2	6	1	0	3	1
Pennsylvania	2	--	2	36	1	0	2	*
<b>East North Central</b>	<b>*</b>	--	<b>2</b>	<b>29</b>	<b>1</b>	<b>0</b>	<b>2</b>	*
Illinois	1	--	5	35	1	--	26	*
Indiana	*	--	8	--	1	--	1	*
Michigan	3	--	3	--	2	0	3	1
Ohio	1	--	4	40	2	--	0	*
Wisconsin	1	--	3	--	1	--	12	1
<b>West North Central</b>	<b>*</b>	<b>174</b>	<b>3</b>	<b>--</b>	<b>*</b>	<b>0</b>	<b>4</b>	*
Iowa	*	--	10	--	*	--	--	1
Kansas	1	--	--	--	1	--	--	1
Minnesota	1	174	3	--	1	--	4	1
Missouri	*	--	16	--	1	0	0	*
Nebraska	1	--	16	--	1	--	--	1
North Dakota	1	--	48	--	1	--	15	1
South Dakota	1	--	--	--	1	--	0	2
<b>South Atlantic</b>	<b>1</b>	--	<b>1</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>1</b>	*
Delaware	89	--	9	56	11	--	--	1
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	2	9	1	--	1	*
Georgia	--	--	2	470	2	0	3	*
Maryland	3	--	2	73	2	--	*	*
North Carolina	--	--	2	26	2	0	24	*
South Carolina	--	--	1	--	1	0	0	*
Virginia	--	--	2	--	1	0	2	*
West Virginia	0	--	--	--	0	--	0	*
<b>East South Central</b>	<b>0</b>	--	<b>1</b>	<b>--</b>	<b>1</b>	<b>0</b>	<b>25</b>	*
Alabama	--	--	2	--	1	--	0	*
Kentucky	--	--	4	--	4	--	0	*
Mississippi	--	--	1	--	1	--	51	*
Tennessee	0	--	4	--	3	0	105	*
<b>West South Central</b>	<b>*</b>	--	<b>1</b>	<b>17</b>	<b>*</b>	<b>0</b>	<b>4</b>	*
Arkansas	--	--	1	--	1	0	0	*
Louisiana	--	--	3	--	2	--	3	*
Oklahoma	1	--	8	--	1	0	0	*
Texas	*	--	3	17	*	--	7	*
<b>Mountain</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>2</b>	*
Arizona	4	--	3	6	4	0	0	*
Colorado	1	86	19	15	1	0	15	1
Idaho	4	9	1	--	3	--	0	2
Montana	2	0	--	--	2	--	0	2
Nevada	--	2	--	4	2	--	0	*
New Mexico	1	--	39	14	2	--	--	1
Utah	2	1	18	231	2	--	3	1
Wyoming	1	--	--	--	1	--	0	1
<b>Pacific Contiguous</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>*</b>	<b>0</b>	<b>3</b>	*
California	1	1	2	5	1	0	3	*
Oregon	1	--	6	96	1	--	14	1
Washington	1	--	3	0	1	0	8	*
<b>Pacific Noncontiguous</b>	<b>7</b>	<b>0</b>	<b>5</b>	<b>97</b>	<b>3</b>	<b>--</b>	<b>0</b>	<b>1</b>
Alaska	40	--	60	--	33	--	0	3
Hawaii	8	0	5	97	3	--	0	1
<b>U.S. Total</b>	<b>*</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>*</b>	<b>0</b>	<b>1</b>	<b>*</b>

\* = 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 A2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Electric Utilities by Census Division and State, July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>19</b>	--	<b>15</b>	--	--	<b>34</b>
Connecticut	--	523	--	290	--	--	207
Maine	--	367	--	--	--	--	--
Massachusetts	--	25	--	20	--	--	79
New Hampshire	0	8	--	0	--	--	32
Rhode Island	--	144	--	--	--	--	--
Vermont	--	294	--	0	--	--	56
<b>Middle Atlantic</b>	<b>0</b>	<b>3</b>	--	<b>6</b>	--	--	<b>1</b>
New Jersey	0	194	--	0	--	--	0
New York	0	2	--	6	--	--	1
Pennsylvania	--	671	--	321	--	--	21
<b>East North Central</b>	<b>*</b>	<b>4</b>	<b>32</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>20</b>
Illinois	0	48	--	11	--	--	176
Indiana	*	6	--	4	0	--	15
Michigan	1	12	443	8	--	0	39
Ohio	1	3	--	6	0	--	21
Wisconsin	1	12	0	8	0	--	30
<b>West North Central</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>7</b>
Iowa	2	16	0	11	--	--	40
Kansas	0	69	0	9	--	0	--
Minnesota	3	25	0	6	--	0	56
Missouri	1	14	0	7	0	0	22
Nebraska	2	42	--	12	--	0	36
North Dakota	3	38	--	522	--	--	0
South Dakota	7	119	--	37	--	--	0
<b>South Atlantic</b>	<b>*</b>	<b>1</b>	<b>0</b>	<b>*</b>	<b>--</b>	<b>0</b>	<b>7</b>
Delaware	--	587	--	241	--	--	--
District of Columbia	--	--	--	0	--	--	--
Florida	*	2	0	1	--	0	88
Georgia	*	14	--	1	--	0	10
Maryland	--	214	--	0	--	--	--
North Carolina	0	7	--	1	--	0	10
South Carolina	1	15	0	2	--	0	22
Virginia	0	1	--	0	--	0	14
West Virginia	1	3	--	0	--	--	56
<b>East South Central</b>	<b>*</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5</b>
Alabama	*	0	--	4	--	0	7
Kentucky	1	8	0	6	0	--	8
Mississippi	1	34	--	1	--	0	--
Tennessee	0	1	--	0	--	0	7
<b>West South Central</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>--</b>	<b>0</b>	<b>13</b>
Arkansas	0	0	--	5	--	0	14
Louisiana	0	13	0	2	--	0	--
Oklahoma	0	39	--	1	--	--	28
Texas	0	9	0	2	--	--	36
<b>Mountain</b>	<b>*</b>	<b>11</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>0</b>	<b>4</b>
Arizona	0	3	--	1	--	0	4
Colorado	1	118	--	3	--	--	30
Idaho	--	1,787	--	18	--	--	9
Montana	114	878	--	130	--	--	4
Nevada	0	6	--	0	--	--	3
New Mexico	0	9	--	5	--	--	91
Utah	2	39	--	4	--	--	52
Wyoming	1	9	--	123	--	--	10
<b>Pacific Contiguous</b>	<b>0</b>	<b>21</b>	<b>--</b>	<b>3</b>	<b>207</b>	<b>0</b>	<b>1</b>
California	--	13	--	3	207	0	5
Oregon	0	0	--	7	--	--	3
Washington	--	493	--	24	--	0	2
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>2</b>	<b>--</b>	<b>18</b>	<b>--</b>	<b>--</b>	<b>34</b>
Alaska	0	11	--	18	--	--	34
Hawaii	--	1	--	--	--	--	315
<b>U.S. Total</b>	<b>*</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>2</b>

\* = 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 A2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Electric Utilities by Census Division and State, July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	--	<b>0</b>	<b>156</b>	<b>8</b>	--	--	<b>6</b>
Connecticut	--	--	--	--	--	--	--	207
Maine	--	--	--	--	--	--	--	367
Massachusetts	0	--	--	156	79	--	--	20
New Hampshire	--	--	0	--	0	--	--	2
Rhode Island	--	--	--	--	--	--	--	144
Vermont	0	--	0	--	0	--	--	28
<b>Middle Atlantic</b>	--	--	--	<b>88</b>	<b>88</b>	<b>0</b>	--	<b>3</b>
New Jersey	--	--	--	88	88	0	--	8
New York	--	--	--	--	--	0	--	3
Pennsylvania	--	--	--	--	--	--	--	47
<b>East North Central</b>	<b>0</b>	--	<b>0</b>	<b>81</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>1</b>
Illinois	0	--	--	--	192	--	--	3
Indiana	--	--	0	--	23	--	0	1
Michigan	--	--	--	--	0	0	0	2
Ohio	0	--	--	81	149	--	--	1
Wisconsin	0	--	0	--	2	--	0	2
<b>West North Central</b>	<b>0</b>	--	<b>0</b>	--	<b>1</b>	<b>0</b>	<b>6</b>	<b>1</b>
Iowa	0	--	0	--	1	--	--	2
Kansas	0	--	--	--	0	--	--	1
Minnesota	0	--	0	--	4	--	0	2
Missouri	--	--	0	--	56	0	0	1
Nebraska	0	--	0	--	18	--	--	2
North Dakota	0	--	--	--	5	--	36	2
South Dakota	0	--	--	--	2	--	0	5
<b>South Atlantic</b>	--	--	<b>0</b>	<b>13</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>*</b>
Delaware	--	--	--	412	412	--	--	230
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	0	0	3	--	--	*
Georgia	--	--	--	--	0	0	--	*
Maryland	--	--	0	470	205	--	--	149
North Carolina	--	--	--	229	229	0	--	*
South Carolina	--	--	0	--	8	0	--	*
Virginia	--	--	0	--	0	0	--	*
West Virginia	--	--	--	--	0	--	0	1
<b>East South Central</b>	--	--	<b>0</b>	--	<b>38</b>	<b>0</b>	<b>0</b>	<b>*</b>
Alabama	--	--	0	--	284	--	--	1
Kentucky	--	--	0	--	38	--	0	1
Mississippi	--	--	0	--	0	--	--	1
Tennessee	--	--	--	--	0	0	--	*
<b>West South Central</b>	<b>0</b>	--	--	--	<b>*</b>	<b>0</b>	--	<b>*</b>
Arkansas	--	--	--	--	--	0	--	1
Louisiana	--	--	--	--	--	--	--	1
Oklahoma	0	--	--	--	0	0	--	1
Texas	0	--	--	--	2	--	--	1
<b>Mountain</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>
Arizona	--	--	0	58	51	0	--	*
Colorado	0	--	0	--	47	0	--	2
Idaho	--	--	--	--	0	--	--	8
Montana	0	--	--	--	83	--	--	6
Nevada	--	--	--	--	0	--	0	*
New Mexico	--	--	--	--	--	--	--	1
Utah	--	0	--	--	0	--	--	2
Wyoming	0	--	--	--	2	--	--	2
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>3</b>	<b>0</b>	--	<b>1</b>
California	0	0	0	44	8	0	--	2
Oregon	0	--	0	360	2	--	--	3
Washington	0	--	0	0	4	0	--	2
<b>Pacific Noncontiguous</b>	<b>0</b>	--	<b>0</b>	--	<b>63</b>	--	<b>0</b>	<b>7</b>
Alaska	0	--	--	--	181	--	0	13
Hawaii	--	--	0	--	0	--	0	2
<b>U.S. Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>*</b>

\* = 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 A2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Electric Utilities by Census Division and State, Year-to-Date through July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>6</b>	<b>7</b>	--	<b>15</b>	--	--	<b>13</b>
Connecticut	--	100	--	108	--	--	89
Maine	--	79	--	--	--	--	--
Massachusetts	--	10	--	14	--	--	34
New Hampshire	6	3	--	15	--	--	10
Rhode Island	--	31	--	--	--	--	--
Vermont	--	150	--	0	--	--	23
<b>Middle Atlantic</b>	<b>0</b>	<b>4</b>	--	<b>3</b>	--	--	<b>1</b>
New Jersey	0	100	--	0	--	--	0
New York	0	4	--	3	--	--	1
Pennsylvania	--	145	--	181	--	--	4
<b>East North Central</b>	<b>*</b>	<b>2</b>	<b>28</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5</b>
Illinois	1	11	--	14	--	--	76
Indiana	*	2	--	1	0	--	11
Michigan	1	4	197	4	--	0	7
Ohio	1	1	--	2	0	--	15
Wisconsin	1	9	0	3	0	--	9
<b>West North Central</b>	<b>*</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
Iowa	1	4	0	8	--	--	13
Kansas	0	7	0	6	--	0	--
Minnesota	1	18	0	3	--	0	17
Missouri	*	4	0	4	0	0	3
Nebraska	1	5	--	11	--	0	11
North Dakota	1	6	--	354	--	--	0
South Dakota	3	39	--	31	--	--	0
<b>South Atlantic</b>	<b>*</b>	<b>2</b>	<b>0</b>	<b>*</b>	--	<b>0</b>	<b>2</b>
Delaware	--	315	--	125	--	--	--
District of Columbia	--	--	--	0	--	--	--
Florida	*	3	0	*	--	0	38
Georgia	*	6	--	*	--	0	4
Maryland	--	49	--	0	--	--	--
North Carolina	0	7	--	1	--	0	5
South Carolina	*	7	0	1	--	0	4
Virginia	0	1	--	1	--	0	2
West Virginia	*	1	--	143	--	--	24
<b>East South Central</b>	<b>*</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>
Alabama	*	0	--	2	--	0	3
Kentucky	*	2	0	1	0	--	3
Mississippi	*	14	--	*	--	0	--
Tennessee	0	*	--	0	--	0	3
<b>West South Central</b>	<b>*</b>	<b>1</b>	<b>0</b>	<b>*</b>	--	<b>0</b>	<b>4</b>
Arkansas	0	0	--	4	--	0	4
Louisiana	0	5	0	1	--	0	--
Oklahoma	0	4	--	1	--	--	7
Texas	*	2	0	1	--	--	14
<b>Mountain</b>	<b>*</b>	<b>3</b>	--	<b>1</b>	--	<b>0</b>	<b>1</b>
Arizona	0	1	--	*	--	0	1
Colorado	1	23	--	2	--	--	7
Idaho	--	386	--	18	--	--	3
Montana	52	436	--	90	--	--	2
Nevada	0	2	--	0	--	--	1
New Mexico	2	6	--	3	--	--	27
Utah	1	9	--	2	--	--	15
Wyoming	1	5	--	74	--	--	4
<b>Pacific Contiguous</b>	<b>0</b>	<b>11</b>	--	<b>1</b>	<b>75</b>	<b>0</b>	<b>*</b>
California	--	4	--	1	75	0	2
Oregon	0	0	--	1	--	--	1
Washington	--	83	--	7	--	0	*
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>1</b>	--	<b>5</b>	--	--	<b>9</b>
Alaska	0	3	--	5	--	--	9
Hawaii	--	1	--	--	--	--	97
<b>U.S. Total</b>	<b>*</b>	<b>1</b>	<b>1</b>	<b>*</b>	<b>1</b>	<b>0</b>	<b>*</b>

\* = 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 A2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Electric Utilities by Census Division and State, Year-to-Date through July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>21</b>	--	<b>4</b>	<b>71</b>	<b>4</b>	--	--	<b>5</b>
Connecticut	--	--	--	--	--	--	--	72
Maine	--	--	--	--	--	--	--	79
Massachusetts	26	--	--	71	24	--	--	15
New Hampshire	--	--	6	--	5	--	--	4
Rhode Island	--	--	--	--	--	--	--	31
Vermont	0	--	0	--	0	--	--	15
<b>Middle Atlantic</b>	--	--	--	<b>38</b>	<b>38</b>	<b>0</b>	--	<b>1</b>
New Jersey	--	--	--	38	38	0	--	4
New York	--	--	--	--	--	0	--	1
Pennsylvania	--	--	--	--	--	--	--	5
<b>East North Central</b>	<b>1</b>	--	<b>4</b>	<b>42</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>*</b>
Illinois	46	--	--	--	46	--	--	1
Indiana	--	--	8	--	8	--	0	*
Michigan	--	--	--	--	0	0	0	1
Ohio	40	--	--	42	36	--	--	1
Wisconsin	*	--	2	--	*	--	0	1
<b>West North Central</b>	<b>*</b>	--	<b>5</b>	--	<b>*</b>	<b>0</b>	<b>3</b>	<b>*</b>
Iowa	*	--	21	--	*	--	--	1
Kansas	0	--	--	--	0	--	--	1
Minnesota	1	--	5	--	1	--	0	1
Missouri	--	--	19	--	18	0	0	*
Nebraska	5	--	18	--	5	--	--	1
North Dakota	1	--	--	--	1	--	15	1
South Dakota	1	--	--	--	1	--	0	2
<b>South Atlantic</b>	--	--	<b>2</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>*</b>
Delaware	--	--	--	176	176	--	--	119
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	5	0	1	--	--	*
Georgia	--	--	--	--	0	0	--	*
Maryland	--	--	48	201	65	--	--	43
North Carolina	--	--	--	96	96	0	--	*
South Carolina	--	--	3	--	3	0	--	*
Virginia	--	--	0	--	0	0	--	*
West Virginia	--	--	--	--	0	--	0	*
<b>East South Central</b>	--	--	<b>13</b>	--	<b>13</b>	<b>0</b>	<b>0</b>	<b>*</b>
Alabama	--	--	106	--	100	--	--	*
Kentucky	--	--	14	--	13	--	0	*
Mississippi	--	--	0	--	0	--	--	*
Tennessee	--	--	--	--	0	0	--	*
<b>West South Central</b>	<b>2</b>	--	--	--	<b>2</b>	<b>0</b>	--	<b>*</b>
Arkansas	--	--	--	--	--	0	--	*
Louisiana	--	--	--	--	--	--	--	*
Oklahoma	2	--	--	--	2	0	--	1
Texas	1	--	--	--	1	--	--	*
<b>Mountain</b>	<b>1</b>	<b>0</b>	<b>29</b>	<b>23</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>*</b>
Arizona	--	--	26	23	19	0	--	*
Colorado	12	--	219	--	12	0	--	1
Idaho	--	--	--	--	0	--	--	3
Montana	18	--	--	--	18	--	--	2
Nevada	--	--	--	--	0	--	0	*
New Mexico	--	--	--	--	--	--	--	1
Utah	--	0	--	--	0	--	--	1
Wyoming	*	--	--	--	*	--	--	1
<b>Pacific Contiguous</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>21</b>	<b>1</b>	<b>0</b>	--	<b>*</b>
California	6	0	4	21	2	0	--	1
Oregon	0	--	16	151	1	--	--	1
Washington	1	--	8	0	1	0	--	*
<b>Pacific Noncontiguous</b>	<b>40</b>	--	<b>0</b>	--	<b>16</b>	--	<b>0</b>	<b>2</b>
Alaska	40	--	--	--	40	--	0	3
Hawaii	--	--	0	--	0	--	0	1
<b>U.S. Total</b>	<b>*</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>*</b>	<b>0</b>	<b>2</b>	<b>*</b>

\* = 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 A3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Independent Power Producers by Census Division and State, July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>11</b>	<b>6</b>	--	<b>1</b>	<b>0</b>	<b>0</b>	<b>13</b>
Connecticut	0	9	--	2	0	0	62
Maine	0	3	--	1	--	--	16
Massachusetts	12	21	--	2	--	0	39
New Hampshire	--	2,311	--	0	--	0	27
Rhode Island	--	339	--	3	--	--	568
Vermont	--	--	--	--	--	0	41
<b>Middle Atlantic</b>	<b>1</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>65</b>	<b>0</b>	<b>16</b>
New Jersey	4	35	--	2	--	0	187
New York	6	16	0	2	--	0	18
Pennsylvania	1	6	0	1	65	0	28
<b>East North Central</b>	<b>*</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>84</b>
Illinois	0	0	--	2	0	0	74
Indiana	0	51,820	0	3	--	--	--
Michigan	36	0	0	2	0	0	149
Ohio	*	8	0	*	0	0	--
Wisconsin	0	0	--	0	--	0	135
<b>West North Central</b>	<b>--</b>	<b>419</b>	<b>--</b>	<b>2</b>	<b>--</b>	<b>0</b>	<b>85</b>
Iowa	--	535	--	1,316	--	0	398
Kansas	--	--	--	--	--	--	327
Minnesota	--	1,726	--	4	--	--	89
Missouri	--	0	--	2	--	--	--
South Dakota	--	731	--	--	--	--	--
<b>South Atlantic</b>	<b>1</b>	<b>6</b>	<b>--</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12</b>
Delaware	2	22	--	5	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	5	14	--	3	0	--	--
Georgia	--	5,095	--	1	--	--	408
Maryland	1	9	--	5	0	0	0
North Carolina	18	315	--	1	--	--	196
South Carolina	0	0	--	6	--	--	146
Virginia	15	9	--	2	--	--	147
West Virginia	*	0	--	0	--	--	13
<b>East South Central</b>	<b>0</b>	<b>453</b>	<b>--</b>	<b>*</b>	<b>--</b>	<b>--</b>	<b>409</b>
Alabama	0	453	--	*	--	--	--
Kentucky	--	--	--	0	--	--	409
Mississippi	0	0	--	*	--	--	--
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>25</b>
Arkansas	0	0	--	0	--	--	160
Louisiana	0	0	--	*	0	--	0
Oklahoma	0	--	--	1	--	--	--
Texas	0	0	0	*	0	0	183
<b>Mountain</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>--</b>	<b>14</b>
Arizona	--	--	--	1	--	--	--
Colorado	57	0	--	4	0	--	110
Idaho	--	--	--	13	--	--	35
Montana	8	4	0	171	0	--	14
Nevada	0	0	--	3	0	--	203
New Mexico	--	705	--	4	--	--	--
Utah	72	0	--	35	--	--	423
Wyoming	81	--	--	203	--	--	423
<b>Pacific Contiguous</b>	<b>13</b>	<b>270</b>	<b>160</b>	<b>1</b>	<b>0</b>	<b>--</b>	<b>22</b>
California	13	0	160	1	0	--	24
Oregon	--	--	--	8	--	--	74
Washington	0	271	--	0	0	--	77
<b>Pacific Noncontiguous</b>	<b>4</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0</b>
Alaska	34	--	--	--	--	--	--
Hawaii	0	2	--	--	--	--	0
<b>U.S. Total</b>	<b>*</b>	<b>3</b>	<b>8</b>	<b>*</b>	<b>2</b>	<b>0</b>	<b>8</b>

\* = 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 A3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Independent Power Producers by Census Division and State, July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	--	<b>0</b>	<b>153</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>1</b>
Connecticut	--	--	0	--	8	0	4	1
Maine	0	--	0	--	3	--	9	3
Massachusetts	0	--	0	174	8	0	4	2
New Hampshire	0	--	0	--	15	--	27	1
Rhode Island	0	--	0	--	32	--	--	3
Vermont	0	--	0	317	29	--	--	4
<b>Middle Atlantic</b>	<b>0</b>	--	<b>0</b>	<b>33</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>*</b>
New Jersey	0	--	0	42	15	--	7	1
New York	0	--	0	0	4	--	5	1
Pennsylvania	0	--	0	101	5	0	5	1
<b>East North Central</b>	<b>0</b>	--	<b>0</b>	<b>61</b>	<b>3</b>	--	<b>13</b>	<b>*</b>
Illinois	0	--	0	75	4	--	0	*
Indiana	0	--	--	--	1	--	--	1
Michigan	0	--	0	--	8	--	13	2
Ohio	0	--	0	101	10	--	--	*
Wisconsin	0	--	0	--	13	--	--	1
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	--	<b>2</b>	--	<b>21</b>	<b>1</b>
Iowa	0	--	0	--	3	--	--	1
Kansas	0	--	--	--	1	--	--	1
Minnesota	0	0	0	--	5	--	21	4
Missouri	0	--	0	--	3	--	--	1
Nebraska	0	--	--	--	0	--	--	0
North Dakota	0	--	--	--	5	--	--	5
South Dakota	0	--	--	--	3	--	--	3
<b>South Atlantic</b>	<b>0</b>	--	<b>0</b>	<b>54</b>	<b>3</b>	--	<b>3</b>	<b>1</b>
Delaware	--	--	0	141	29	--	--	4
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	0	84	5	--	3	2
Georgia	--	--	0	--	35	--	--	1
Maryland	0	--	0	114	9	--	0	1
North Carolina	--	--	0	104	8	--	49	6
South Carolina	--	--	0	--	79	--	--	6
Virginia	--	--	0	--	10	--	0	3
West Virginia	0	--	--	--	0	--	0	*
<b>East South Central</b>	<b>0</b>	--	<b>0</b>	--	<b>6</b>	--	--	<b>*</b>
Alabama	--	--	0	--	0	--	--	*
Kentucky	--	--	--	--	--	--	--	2
Mississippi	--	--	--	--	0	--	--	*
Tennessee	0	--	0	--	42	--	--	42
<b>West South Central</b>	<b>0</b>	--	<b>0</b>	<b>42</b>	<b>1</b>	--	<b>0</b>	<b>*</b>
Arkansas	--	--	0	--	49	--	--	*
Louisiana	--	--	0	--	41	--	--	*
Oklahoma	0	--	--	--	3	--	--	1
Texas	0	--	0	42	1	--	0	*
<b>Mountain</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>9</b>	<b>2</b>	--	<b>6</b>	<b>2</b>
Arizona	0	--	0	9	7	--	0	1
Colorado	0	0	0	33	3	--	43	3
Idaho	0	27	0	--	11	--	--	15
Montana	0	0	--	--	4	--	0	7
Nevada	--	6	--	11	5	--	--	2
New Mexico	0	--	0	35	7	--	--	3
Utah	0	121	0	412	6	--	165	21
Wyoming	0	--	--	--	7	--	--	29
<b>Pacific Contiguous</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>10</b>	<b>1</b>	--	<b>10</b>	<b>1</b>
California	0	3	0	10	2	--	12	1
Oregon	0	--	0	297	3	--	33	4
Washington	0	--	0	--	1	--	25	6
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	--	<b>237</b>	<b>7</b>	--	<b>0</b>	<b>2</b>
Alaska	--	--	--	--	--	--	0	34
Hawaii	0	0	--	237	7	--	0	2
<b>U.S. Total</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>*</b>

\* = 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 A3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Independent Power Producers by Census Division and State, Year-to-Date through July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>8</b>	<b>3</b>	--	*	<b>0</b>	<b>0</b>	<b>5</b>
Connecticut	0	6	--	1	0	0	25
Maine	0	1	--	*	--	--	8
Massachusetts	9	6	--	1	--	0	6
New Hampshire	--	1,129	--	2	--	0	10
Rhode Island	--	828	--	1	--	--	247
Vermont	--	--	--	--	--	0	18
<b>Middle Atlantic</b>	<b>1</b>	<b>5</b>	<b>125</b>	<b>*</b>	<b>16</b>	<b>0</b>	<b>5</b>
New Jersey	2	34	--	1	--	0	93
New York	8	9	125	1	--	0	8
Pennsylvania	1	5	0	*	16	0	5
<b>East North Central</b>	<b>*</b>	<b>2</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>24</b>
Illinois	*	0	--	1	0	0	31
Indiana	0	28,115	0	2	--	--	--
Michigan	9	74	0	1	0	0	41
Ohio	*	2	0	1	0	0	--
Wisconsin	0	0	--	0	--	0	43
<b>West North Central</b>	<b>--</b>	<b>14</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>0</b>	<b>28</b>
Iowa	--	115	--	915	--	0	133
Kansas	--	--	--	--	--	--	143
Minnesota	--	4	--	3	--	--	29
Missouri	--	0	--	1	--	--	--
South Dakota	--	158	--	--	--	--	--
<b>South Atlantic</b>	<b>1</b>	<b>3</b>	<b>--</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>
Delaware	1	9	--	2	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	4	26	--	2	0	--	--
Georgia	--	112	--	1	--	--	142
Maryland	1	4	--	2	0	0	1
North Carolina	11	138	--	*	--	--	82
South Carolina	267	0	--	3	--	--	63
Virginia	15	4	--	1	--	--	63
West Virginia	*	0	--	0	--	--	4
<b>East South Central</b>	<b>0</b>	<b>48</b>	<b>--</b>	<b>*</b>	<b>--</b>	<b>--</b>	<b>178</b>
Alabama	0	48	--	*	--	--	--
Kentucky	--	--	--	0	--	--	178
Mississippi	0	0	--	*	--	--	--
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>0</b>	<b>5</b>
Arkansas	0	0	--	0	--	--	69
Louisiana	0	0	--	*	0	--	0
Oklahoma	0	--	--	1	--	--	--
Texas	0	0	0	*	*	0	80
<b>Mountain</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>--</b>	<b>4</b>
Arizona	--	--	--	1	--	--	--
Colorado	36	0	--	2	0	--	32
Idaho	--	--	--	3	--	--	11
Montana	3	5	0	104	0	--	4
Nevada	0	0	--	2	0	--	64
New Mexico	--	152	--	2	--	--	--
Utah	42	0	--	19	--	--	130
Wyoming	36	--	--	139	--	--	127
<b>Pacific Contiguous</b>	<b>4</b>	<b>11</b>	<b>40</b>	<b>1</b>	<b>*</b>	<b>--</b>	<b>9</b>
California	6	9	40	1	151	--	10
Oregon	--	--	--	1	--	--	22
Washington	0	32	--	0	0	--	23
<b>Pacific Noncontiguous</b>	<b>2</b>	<b>5</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0</b>
Alaska	18	--	--	--	--	--	--
Hawaii	0	5	--	--	--	--	0
<b>U.S. Total</b>	<b>*</b>	<b>3</b>	<b>8</b>	<b>*</b>	<b>1</b>	<b>0</b>	<b>2</b>

\* = 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 A3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:  
Independent Power Producers by Census Division and State, Year-to-Date through July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	2	--	2	72	2	0	1	*
Connecticut	--	--	3	--	3	0	2	*
Maine	1	--	2	--	1	--	4	2
Massachusetts	45	--	3	86	3	0	2	1
New Hampshire	15	--	9	--	7	--	12	1
Rhode Island	83	--	11	--	11	--	--	1
Vermont	0	--	18	133	11	--	--	2
<b>Middle Atlantic</b>	1	--	2	13	1	0	1	*
New Jersey	39	--	3	18	4	--	2	*
New York	1	--	3	0	1	--	2	1
Pennsylvania	2	--	2	41	1	0	2	*
<b>East North Central</b>	*	--	3	30	1	--	5	*
Illinois	1	--	5	35	1	--	33	*
Indiana	*	--	--	--	*	--	--	*
Michigan	3	--	4	--	3	--	4	1
Ohio	0	--	8	42	2	--	--	*
Wisconsin	3	--	7	--	3	--	--	*
<b>West North Central</b>	*	174	5	--	*	--	9	*
Iowa	1	--	14	--	1	--	--	*
Kansas	1	--	--	--	1	--	--	1
Minnesota	1	174	5	--	1	--	9	1
Missouri	*	--	28	--	1	--	--	1
Nebraska	0	--	--	--	0	--	--	0
North Dakota	1	--	--	--	1	--	--	1
South Dakota	1	--	--	--	1	--	--	1
<b>South Atlantic</b>	1	--	1	21	1	--	1	*
Delaware	--	--	9	59	11	--	--	1
District of Columbia	--	--	--	--	--	--	--	0
Florida	--	--	2	35	2	--	2	1
Georgia	--	--	18	--	16	--	--	1
Maryland	3	--	2	81	2	--	0	*
North Carolina	--	--	3	26	3	--	24	3
South Carolina	--	--	28	--	27	--	--	4
Virginia	--	--	3	--	3	--	2	2
West Virginia	0	--	--	--	0	--	0	*
<b>East South Central</b>	0	--	3	--	2	--	--	*
Alabama	--	--	0	--	0	--	--	*
Kentucky	--	--	--	--	--	--	--	4
Mississippi	--	--	--	--	0	--	--	*
Tennessee	0	--	26	--	8	--	--	8
<b>West South Central</b>	*	--	5	17	*	--	0	*
Arkansas	--	--	20	--	18	--	--	*
Louisiana	--	--	15	--	14	--	--	*
Oklahoma	1	--	--	--	1	--	--	*
Texas	*	--	5	17	*	--	0	*
<b>Mountain</b>	1	2	4	4	1	--	1	1
Arizona	4	--	0	5	3	--	0	1
Colorado	1	86	18	15	1	--	23	1
Idaho	4	9	6	--	3	--	--	3
Montana	1	0	--	--	1	--	0	2
Nevada	--	2	--	4	2	--	--	1
New Mexico	1	--	39	14	2	--	--	1
Utah	2	47	18	231	2	--	64	10
Wyoming	1	--	--	--	1	--	--	7
<b>Pacific Contiguous</b>	1	1	3	4	1	--	5	*
California	1	1	3	4	1	--	5	1
Oregon	1	--	14	124	1	--	14	1
Washington	1	--	12	--	1	--	11	1
<b>Pacific Noncontiguous</b>	8	0	--	97	4	--	0	2
Alaska	--	--	--	--	--	--	0	18
Hawaii	8	0	--	97	4	--	0	2
<b>U.S. Total</b>	*	1	1	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 A4.A. Relative Standard Error for Net Generation by Fuel Type:  
Commercial Sector by Census Division and State, July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	--	39	--	20	--	.	494
Connecticut	--	0	--	66	--	.	--
Maine	--	233	--	1,156	--	.	--
Massachusetts	--	43	--	17	--	.	494
New Hampshire	--	90	--	--	--	.	--
Rhode Island	--	750	--	80	--	.	--
Vermont	--	0	--	--	--	.	--
<b>Middle Atlantic</b>	0	94	--	20	286	.	445
New Jersey	--	1,216	--	61	286	.	--
New York	0	95	--	21	--	.	445
Pennsylvania	0	161	--	66	--	.	--
<b>East North Central</b>	9	247	--	25	--	.	1,169
Illinois	0	438	--	16	--	.	--
Indiana	14	600	--	92	--	.	--
Michigan	0	144	--	45	--	.	--
Ohio	0	0	--	0	--	.	--
Wisconsin	112	5,278	--	94	--	.	1,169
<b>West North Central</b>	24	340	0	51	--	.	--
Iowa	38	3,292	0	361	--	.	--
Minnesota	--	357	--	110	--	.	--
Missouri	0	1,514	--	0	--	.	--
Nebraska	--	--	--	1,913	--	.	--
North Dakota	--	2,266	--	--	--	.	--
South Dakota	--	3,075	--	--	--	.	--
<b>South Atlantic</b>	45	207	--	47	--	.	158
Florida	--	0	--	110	--	.	--
Georgia	--	302	--	0	--	.	--
Maryland	0	1,859	--	57	--	.	--
North Carolina	0	1,500	--	0	--	.	163
South Carolina	--	589	--	403	--	.	0
Virginia	145	0	--	--	--	.	--
<b>East South Central</b>	107	--	--	63	--	.	--
Mississippi	--	--	--	159	--	.	--
Tennessee	107	--	--	68	--	.	--
<b>West South Central</b>	--	628	--	19	--	.	--
Arkansas	--	--	--	712	--	.	--
Louisiana	--	--	--	112	--	.	--
Oklahoma	--	1,160	--	110	--	.	--
Texas	--	732	--	15	--	.	--
<b>Mountain</b>	--	2,222	--	33	--	.	--
Arizona	--	2,222	--	60	--	.	--
Colorado	--	0	--	0	--	.	--
Nevada	--	--	--	66	--	.	--
New Mexico	--	--	--	60	--	.	--
Utah	--	0	--	312	--	.	--
<b>Pacific Contiguous</b>	--	533	--	15	0	.	294
California	--	755	--	15	0	.	294
Oregon	--	--	--	0	--	.	--
Washington	--	750	--	210	--	.	--
<b>Pacific Noncontiguous</b>	15	97	--	1,286	--	.	--
Alaska	15	130	--	1,286	--	.	--
Hawaii	--	0	--	--	--	.	--
<b>U.S. Total</b>	9	34	0	9	286	.	218

\* = 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 A4.A. Relative Standard Error for Net Generation by Fuel Type:  
Commercial Sector by Census Division and State, July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	.	<b>0</b>	<b>203</b>	<b>32</b>	.	<b>35</b>	<b>15</b>
Connecticut	--	.	--	--	--	.	--	66
Maine	--	.	0	--	31	.	35	23
Massachusetts	0	.	0	203	182	.	0	16
New Hampshire	--	.	--	--	--	.	--	90
Rhode Island	--	.	--	--	--	.	--	80
Vermont	--	.	--	--	--	.	--	0
<b>Middle Atlantic</b>	--	.	<b>0</b>	<b>114</b>	<b>12</b>	.	<b>9</b>	<b>11</b>
New Jersey	--	.	0	122	18	.	0	18
New York	--	.	0	448	32	.	34	16
Pennsylvania	--	.	0	412	12	.	0	22
<b>East North Central</b>	<b>0</b>	.	<b>0</b>	--	<b>12</b>	.	<b>12</b>	<b>13</b>
Illinois	--	.	0	--	0	.	--	16
Indiana	0	.	0	--	73	.	80	21
Michigan	--	.	0	--	11	.	11	17
Ohio	--	.	--	--	--	.	--	0
Wisconsin	--	.	0	--	76	.	562	80
<b>West North Central</b>	<b>0</b>	.	<b>0</b>	--	<b>52</b>	.	<b>70</b>	<b>26</b>
Iowa	0	.	0	--	66	.	--	38
Minnesota	0	.	0	--	118	.	70	82
Missouri	--	.	--	--	--	.	0	1
Nebraska	--	.	0	--	81	.	--	116
North Dakota	--	.	--	--	--	.	--	2,266
South Dakota	--	.	--	--	--	.	--	3,075
<b>South Atlantic</b>	<b>0</b>	.	<b>0</b>	<b>332</b>	<b>15</b>	.	<b>14</b>	<b>14</b>
Delaware	0	.	--	--	311	.	--	311
Florida	--	.	0	--	54	.	0	68
Georgia	--	.	0	470	82	.	--	80
Maryland	--	.	0	470	52	.	1,043	45
North Carolina	--	.	--	--	--	.	--	19
South Carolina	--	.	--	--	--	.	--	338
Virginia	--	.	0	--	14	.	14	12
<b>East South Central</b>	--	.	--	--	--	.	<b>535</b>	<b>56</b>
Mississippi	--	.	--	--	--	.	535	156
Tennessee	--	.	--	--	--	.	--	60
<b>West South Central</b>	--	.	<b>0</b>	--	<b>52</b>	.	--	<b>18</b>
Arkansas	--	.	0	--	159	.	--	200
Louisiana	--	.	--	--	--	.	--	112
Oklahoma	--	.	--	--	--	.	--	109
Texas	--	.	0	--	54	.	--	14
<b>Mountain</b>	<b>0</b>	.	<b>0</b>	<b>48</b>	<b>46</b>	.	--	<b>27</b>
Arizona	--	.	0	332	200	.	--	58
Colorado	0	.	--	143	97	.	--	71
Nevada	--	.	--	19	19	.	--	39
New Mexico	0	.	--	--	280	.	--	59
Utah	--	.	--	--	--	.	--	312
<b>Pacific Contiguous</b>	--	.	<b>0</b>	<b>102</b>	<b>9</b>	.	<b>0</b>	<b>10</b>
California	--	.	0	102	9	.	0	10
Oregon	--	.	0	--	71	.	--	71
Washington	--	.	--	--	--	.	--	208
<b>Pacific Noncontiguous</b>	--	.	<b>0</b>	--	<b>0</b>	.	<b>0</b>	<b>7</b>
Alaska	--	.	--	--	--	.	--	18
Hawaii	--	.	0	--	0	.	0	0
<b>U.S. Total</b>	<b>0</b>	.	<b>0</b>	<b>46</b>	<b>6</b>	.	<b>6</b>	<b>5</b>

\* = 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 A4.B. Relative Standard Error for Net Generation by Fuel Type:  
Commercial Sector by Census Division and State, Year-to-Date through July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	--	19	--	8	--	.	213
Connecticut	--	0	--	30	--	.	--
Maine	--	127	--	471	--	.	--
Massachusetts	--	21	--	6	--	.	213
New Hampshire	--	44	--	--	--	.	--
Rhode Island	--	390	--	40	--	.	--
Vermont	--	0	--	--	--	.	--
<b>Middle Atlantic</b>	0	39	--	9	49	.	244
New Jersey	--	399	--	28	49	.	--
New York	0	27	--	9	--	.	244
Pennsylvania	0	174	--	37	--	.	--
<b>East North Central</b>	5	140	--	9	--	.	484
Illinois	0	74	--	6	--	.	--
Indiana	9	382	--	44	--	.	--
Michigan	0	99	--	18	--	.	--
Ohio	0	0	--	0	--	.	--
Wisconsin	53	2,597	--	40	--	.	484
<b>West North Central</b>	12	106	0	20	--	.	--
Iowa	18	530	0	129	--	.	--
Minnesota	--	115	--	39	--	.	--
Missouri	0	328	--	0	--	.	--
Nebraska	--	--	--	695	--	.	--
North Dakota	--	490	--	--	--	.	--
South Dakota	--	665	--	--	--	.	--
<b>South Atlantic</b>	30	50	--	26	--	.	66
Florida	--	0	--	59	--	.	--
Georgia	--	66	--	0	--	.	--
Maryland	0	794	--	31	--	.	--
North Carolina	0	518	--	0	--	.	62
South Carolina	--	127	--	309	--	.	341
Virginia	100	0	--	--	--	.	--
<b>East South Central</b>	47	--	--	30	--	.	--
Mississippi	--	--	--	70	--	.	--
Tennessee	47	--	--	33	--	.	--
<b>West South Central</b>	--	154	--	9	--	.	--
Arkansas	--	--	--	322	--	.	--
Louisiana	--	--	--	49	--	.	--
Oklahoma	--	240	--	62	--	.	--
Texas	--	199	--	7	--	.	--
<b>Mountain</b>	--	481	--	17	--	.	--
Arizona	--	481	--	29	--	.	--
Colorado	--	0	--	0	--	.	--
Nevada	--	--	--	31	--	.	--
New Mexico	--	--	--	28	--	.	--
Utah	--	0	--	249	--	.	--
<b>Pacific Contiguous</b>	--	146	--	7	0	.	154
California	--	163	--	7	0	.	154
Oregon	--	--	--	0	--	.	--
Washington	--	242	--	89	--	.	--
<b>Pacific Noncontiguous</b>	6	44	--	479	--	.	--
Alaska	6	61	--	479	--	.	--
Hawaii	--	0	--	--	--	.	--
<b>U.S. Total</b>	4	15	0	4	49	.	78

\* = 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 A4.B. Relative Standard Error for Net Generation by Fuel Type:  
Commercial Sector by Census Division and State, Year-to-Date through July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>85</b>	.	<b>9</b>	<b>111</b>	<b>8</b>	.	<b>9</b>	<b>5</b>
Connecticut	--	.	--	--	--	.	--	30
Maine	--	.	13	--	12	.	14	9
Massachusetts	85	.	1	111	7	.	0	5
New Hampshire	--	.	--	--	--	.	--	44
Rhode Island	--	.	--	--	--	.	--	40
Vermont	--	.	--	--	--	.	--	0
<b>Middle Atlantic</b>	<b>--</b>	.	<b>5</b>	<b>56</b>	<b>5</b>	.	<b>5</b>	<b>5</b>
New Jersey	--	.	11	61	14	.	8	13
New York	--	.	11	220	11	.	12	6
Pennsylvania	--	.	3	173	4	.	3	6
<b>East North Central</b>	<b>126</b>	.	<b>10</b>	<b>--</b>	<b>8</b>	.	<b>10</b>	<b>6</b>
Illinois	--	.	1,673	--	1,360	.	--	5
Indiana	126	.	29	--	28	.	31	11
Michigan	--	.	12	--	9	.	10	8
Ohio	--	.	--	--	--	.	--	0
Wisconsin	--	.	19	--	18	.	278	27
<b>West North Central</b>	<b>39</b>	.	<b>20</b>	<b>--</b>	<b>18</b>	.	<b>29</b>	<b>10</b>
Iowa	111	.	27	--	25	.	--	16
Minnesota	41	.	67	--	35	.	29	29
Missouri	--	.	--	--	--	.	0	*
Nebraska	--	.	34	--	31	.	--	40
North Dakota	--	.	--	--	--	.	--	490
South Dakota	--	.	--	--	--	.	--	665
<b>South Atlantic</b>	<b>89</b>	.	<b>5</b>	<b>269</b>	<b>5</b>	.	<b>4</b>	<b>6</b>
Delaware	89	.	--	--	86	.	--	86
Florida	--	.	10	--	10	.	0	17
Georgia	--	.	30	470	29	.	--	27
Maryland	--	.	20	328	19	.	587	21
North Carolina	--	.	--	--	--	.	--	9
South Carolina	--	.	--	--	--	.	--	198
Virginia	--	.	3	--	4	.	4	6
<b>East South Central</b>	<b>--</b>	.	<b>--</b>	<b>--</b>	<b>--</b>	.	<b>308</b>	<b>26</b>
Mississippi	--	.	--	--	--	.	308	69
Tennessee	--	.	--	--	--	.	--	28
<b>West South Central</b>	<b>--</b>	.	<b>22</b>	<b>--</b>	<b>20</b>	.	<b>--</b>	<b>8</b>
Arkansas	--	.	67	--	62	.	--	83
Louisiana	--	.	--	--	--	.	--	49
Oklahoma	--	.	--	--	--	.	--	61
Texas	--	.	23	--	21	.	--	7
<b>Mountain</b>	<b>42</b>	.	<b>71</b>	<b>21</b>	<b>19</b>	.	<b>--</b>	<b>13</b>
Arizona	--	.	71	142	75	.	--	27
Colorado	46	.	--	61	36	.	--	32
Nevada	--	.	--	9	9	.	--	20
New Mexico	100	.	--	--	94	.	--	27
Utah	--	.	--	--	--	.	--	249
<b>Pacific Contiguous</b>	<b>--</b>	.	<b>3</b>	<b>47</b>	<b>3</b>	.	<b>0</b>	<b>4</b>
California	--	.	3	47	3	.	0	4
Oregon	--	.	29	--	27	.	--	27
Washington	--	.	--	--	--	.	--	88
<b>Pacific Noncontiguous</b>	<b>--</b>	.	<b>0</b>	<b>--</b>	<b>0</b>	.	<b>0</b>	<b>3</b>
Alaska	--	.	--	--	--	.	--	6
Hawaii	--	.	0	--	0	.	0	0
<b>U.S. Total</b>	<b>26</b>	.	<b>2</b>	<b>21</b>	<b>2</b>	.	<b>3</b>	<b>2</b>

\* = 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 A5.A. Relative Standard Error for Net Generation by Fuel Type:  
Industrial Sector by Census Division and State, July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>46</b>	<b>57</b>	--	<b>10</b>	--	.	<b>18</b>
Connecticut	--	447	--	34	--	.	--
Maine	0	51	--	9	--	.	17
Massachusetts	89	4,717	--	41	--	.	488
New Hampshire	--	1,419	--	123	--	.	475
Vermont	--	--	--	--	--	.	237
<b>Middle Atlantic</b>	<b>11</b>	<b>15</b>	<b>513</b>	<b>18</b>	<b>13</b>	.	<b>157</b>
New Jersey	--	319	--	29	46	.	--
New York	0	3	--	37	--	.	157
Pennsylvania	14	262	513	26	9	.	--
<b>East North Central</b>	<b>5</b>	<b>35</b>	<b>45</b>	<b>20</b>	<b>7</b>	.	<b>98</b>
Illinois	5	15,504	--	30	51	.	--
Indiana	71	50	--	22	7	.	--
Michigan	45	0	177	68	--	.	232
Ohio	19	0	199	88	42	.	--
Wisconsin	9	641	0	64	--	.	108
<b>West North Central</b>	<b>8</b>	<b>179</b>	<b>0</b>	<b>137</b>	<b>80</b>	.	<b>124</b>
Iowa	7	1,172	0	349	--	.	--
Kansas	--	--	--	0	--	.	--
Minnesota	17	363	--	144	--	.	124
Missouri	81	0	--	525	--	.	--
Nebraska	74	--	--	0	--	.	--
North Dakota	47	185	--	417	80	.	--
<b>South Atlantic</b>	<b>10</b>	<b>33</b>	<b>0</b>	<b>7</b>	<b>12</b>	.	<b>23</b>
Delaware	--	--	--	0	0	.	--
Florida	45	123	--	13	0	.	--
Georgia	12	48	0	17	--	.	262
Maryland	0	290	--	51	36	.	--
North Carolina	42	93	--	62	--	.	0
South Carolina	20	0	--	0	0	.	--
Virginia	21	54	--	19	--	.	340
West Virginia	2	--	--	174	0	.	17
<b>East South Central</b>	<b>7</b>	<b>65</b>	--	<b>11</b>	<b>17</b>	.	--
Alabama	27	72	--	12	18	.	--
Kentucky	--	--	--	47	--	.	--
Mississippi	0	0	--	36	0	.	--
Tennessee	4	241	--	26	0	.	--
<b>West South Central</b>	<b>29</b>	<b>80</b>	<b>17</b>	<b>2</b>	<b>8</b>	.	--
Arkansas	0	503	0	34	--	.	--
Louisiana	0	0	112	2	12	.	--
Oklahoma	35	2,000	1,282	67	--	.	--
Texas	0	571	5	2	9	.	--
<b>Mountain</b>	<b>8</b>	<b>143</b>	<b>0</b>	<b>18</b>	<b>15</b>	.	--
Arizona	43	139	0	717	--	.	--
Colorado	--	9,605	--	117	--	.	--
Idaho	56	--	--	109	--	.	--
Montana	0	0	--	1,487	309	.	--
Nevada	--	--	--	31	--	.	--
New Mexico	--	8,546	--	77	--	.	--
Utah	0	--	--	34	124	.	--
Wyoming	33	1,099	--	25	7	.	--
<b>Pacific Contiguous</b>	<b>0</b>	<b>89</b>	<b>0</b>	<b>5</b>	<b>6</b>	.	<b>713</b>
California	0	88	0	5	6	.	0
Oregon	--	0	--	130	--	.	--
Washington	0	112	--	0	--	.	713
<b>Pacific Noncontiguous</b>	<b>105</b>	<b>38</b>	--	<b>218</b>	<b>158</b>	.	<b>186</b>
Alaska	--	72	--	218	--	.	--
Hawaii	105	41	--	--	158	.	186
<b>U.S. Total</b>	<b>4</b>	<b>17</b>	<b>14</b>	<b>2</b>	<b>4</b>	.	<b>26</b>

\* = 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 A5.A. Relative Standard Error for Net Generation by Fuel Type:  
Industrial Sector by Census Division and State, July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	--	.	0	--	2	.	27	5
Connecticut	--	.	--	--	--	.	94	33
Maine	--	.	0	--	2	.	0	5
Massachusetts	--	.	--	--	--	.	--	38
New Hampshire	--	.	--	--	227	.	--	116
Vermont	--	.	--	--	--	.	--	237
<b>Middle Atlantic</b>	0	.	0	192	9	.	0	8
New Jersey	--	.	--	470	470	.	0	25
New York	0	.	0	--	6	.	--	11
Pennsylvania	--	.	0	210	12	.	--	9
<b>East North Central</b>	0	.	0	--	5	.	5	5
Illinois	--	.	--	--	0	.	0	7
Indiana	--	.	0	--	87	.	0	6
Michigan	--	.	0	--	8	.	0	21
Ohio	0	.	0	--	10	.	0	19
Wisconsin	--	.	0	--	9	.	60	14
<b>West North Central</b>	0	.	0	--	8	.	108	9
Iowa	--	.	0	--	0	.	--	8
Kansas	0	.	--	--	0	.	--	0
Minnesota	--	.	0	--	8	.	108	17
Missouri	--	.	0	--	166	.	--	76
Nebraska	--	.	--	--	--	.	--	74
North Dakota	--	.	0	--	96	.	--	44
<b>South Atlantic</b>	--	.	0	--	2	.	4	2
Delaware	--	.	--	--	--	.	--	0
Florida	--	.	0	--	6	.	4	5
Georgia	--	.	0	--	3	.	6	4
Maryland	--	.	0	--	0	.	--	16
North Carolina	--	.	0	--	5	.	0	9
South Carolina	--	.	0	--	0	.	0	2
Virginia	--	.	0	--	4	.	0	8
West Virginia	--	.	--	--	--	.	0	7
<b>East South Central</b>	--	.	0	--	2	.	117	3
Alabama	--	.	0	--	3	.	0	5
Kentucky	--	.	0	--	2	.	--	17
Mississippi	--	.	0	--	3	.	121	7
Tennessee	--	.	0	--	7	.	0	4
<b>West South Central</b>	--	.	0	--	3	.	11	1
Arkansas	--	.	0	--	3	.	0	4
Louisiana	--	.	0	--	5	.	8	2
Oklahoma	--	.	0	--	17	.	0	21
Texas	--	.	0	--	8	.	18	2
<b>Mountain</b>	0	.	0	87	4	.	13	7
Arizona	--	.	--	--	--	.	--	43
Colorado	0	.	--	--	293	.	50	49
Idaho	--	.	0	--	3	.	0	11
Montana	--	.	--	--	--	.	--	383
Nevada	--	.	--	87	87	.	--	31
New Mexico	--	.	--	--	--	.	--	77
Utah	--	.	--	--	--	.	0	5
Wyoming	--	.	--	--	--	.	0	14
<b>Pacific Contiguous</b>	--	.	0	341	5	.	10	4
California	--	.	0	341	12	.	12	4
Oregon	--	.	0	--	8	.	0	28
Washington	--	.	0	--	6	.	0	6
<b>Pacific Noncontiguous</b>	--	.	0	--	32	.	--	45
Alaska	--	.	0	--	135	.	--	105
Hawaii	--	.	0	--	32	.	--	49
<b>U.S. Total</b>	0	.	0	149	1	.	5	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 A5.B. Relative Standard Error for Net Generation by Fuel Type:  
Industrial Sector by Census Division and State, Year-to-Date through July 2012**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>24</b>	<b>11</b>	--	<b>4</b>	--	.	<b>9</b>
Connecticut	--	220	--	17	--	.	--
Maine	0	10	--	3	--	.	9
Massachusetts	44	3,627	--	22	--	.	215
New Hampshire	--	393	--	56	--	.	207
Vermont	--	--	--	--	--	.	104
<b>Middle Atlantic</b>	<b>5</b>	<b>12</b>	<b>217</b>	<b>8</b>	<b>4</b>	.	<b>68</b>
New Jersey	--	400	--	13	15	.	--
New York	0	7	--	16	--	.	68
Pennsylvania	7	89	217	12	3	.	--
<b>East North Central</b>	<b>2</b>	<b>15</b>	<b>22</b>	<b>8</b>	<b>2</b>	.	<b>31</b>
Illinois	3	3,406	--	15	16	.	--
Indiana	37	11	--	9	2	.	--
Michigan	20	0	76	24	--	.	75
Ohio	8	0	107	40	12	.	--
Wisconsin	4	128	0	29	--	.	34
<b>West North Central</b>	<b>4</b>	<b>65</b>	<b>0</b>	<b>50</b>	<b>28</b>	.	<b>34</b>
Iowa	4	253	0	140	--	.	--
Kansas	--	--	--	0	--	.	--
Minnesota	9	86	--	55	--	.	34
Missouri	32	0	--	254	--	.	--
Nebraska	39	--	--	0	--	.	--
North Dakota	24	97	--	108	28	.	--
<b>South Atlantic</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>4</b>	<b>3</b>	.	<b>5</b>
Delaware	--	--	--	0	0	.	--
Florida	28	30	--	5	0	.	--
Georgia	6	12	0	9	--	.	115
Maryland	0	7	--	20	9	.	--
North Carolina	25	44	--	28	--	.	276
South Carolina	4	0	--	0	0	.	--
Virginia	10	16	--	14	--	.	146
West Virginia	1	--	--	95	0	.	3
<b>East South Central</b>	<b>4</b>	<b>32</b>	--	<b>5</b>	<b>6</b>	.	--
Alabama	16	38	--	6	6	.	--
Kentucky	--	--	--	19	--	.	--
Mississippi	0	0	--	14	0	.	--
Tennessee	2	114	--	16	0	.	--
<b>West South Central</b>	<b>3</b>	<b>14</b>	<b>7</b>	<b>1</b>	<b>3</b>	.	--
Arkansas	0	64	0	11	--	.	--
Louisiana	0	0	50	1	4	.	--
Oklahoma	23	1,301	341	30	--	.	--
Texas	0	25	2	1	4	.	--
<b>Mountain</b>	<b>8</b>	<b>63</b>	<b>0</b>	<b>6</b>	<b>5</b>	.	--
Arizona	28	60	0	108	--	.	--
Colorado	--	2,078	--	62	--	.	--
Idaho	28	--	--	25	--	.	--
Montana	0	0	--	626	83	.	--
Nevada	--	--	--	16	--	.	--
New Mexico	--	1,847	--	63	--	.	--
Utah	0	--	--	11	43	.	--
Wyoming	18	518	--	7	2	.	--
<b>Pacific Contiguous</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>2</b>	<b>2</b>	.	<b>163</b>
California	0	59	0	2	2	.	213
Oregon	--	0	--	42	--	.	--
Washington	0	34	--	0	--	.	236
<b>Pacific Noncontiguous</b>	<b>75</b>	<b>12</b>	--	<b>57</b>	<b>71</b>	.	<b>58</b>
Alaska	--	16	--	57	--	.	--
Hawaii	75	15	--	--	71	.	58
<b>U.S. Total</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>1</b>	<b>1</b>	.	<b>7</b>

\* = 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 A5.B. Relative Standard Error for Net Generation by Fuel Type:  
Industrial Sector by Census Division and State, Year-to-Date through July 2012 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	--	.	1	--	1	.	11	2
Connecticut	--	.	--	--	--	.	37	16
Maine	--	.	1	--	1	.	0	2
Massachusetts	--	.	--	--	--	.	--	20
New Hampshire	--	.	--	--	227	.	--	56
Vermont	--	.	--	--	--	.	--	104
<b>Middle Atlantic</b>	<b>69</b>	.	<b>4</b>	<b>80</b>	<b>3</b>	.	<b>0</b>	<b>3</b>
New Jersey	--	.	--	197	197	.	0	11
New York	69	.	0	--	2	.	--	5
Pennsylvania	--	.	5	88	5	.	--	4
<b>East North Central</b>	<b>60</b>	.	<b>2</b>	--	<b>2</b>	.	<b>2</b>	<b>2</b>
Illinois	--	.	--	--	0	.	0	3
Indiana	--	.	37	--	34	.	0	2
Michigan	--	.	4	--	3	.	0	7
Ohio	60	.	4	--	4	.	0	7
Wisconsin	--	.	4	--	4	.	27	5
<b>West North Central</b>	<b>0</b>	.	<b>4</b>	--	<b>3</b>	.	<b>54</b>	<b>4</b>
Iowa	--	.	0	--	0	.	--	4
Kansas	0	.	--	--	0	.	--	0
Minnesota	--	.	4	--	4	.	54	7
Missouri	--	.	76	--	69	.	--	31
Nebraska	--	.	--	--	--	.	--	39
North Dakota	--	.	48	--	43	.	--	19
<b>South Atlantic</b>	--	.	<b>1</b>	--	<b>1</b>	.	<b>2</b>	<b>1</b>
Delaware	--	.	--	--	--	.	--	0
Florida	--	.	3	--	2	.	2	2
Georgia	--	.	2	--	1	.	3	2
Maryland	--	.	0	--	0	.	--	5
North Carolina	--	.	2	--	2	.	0	5
South Carolina	--	.	0	--	0	.	0	*
Virginia	--	.	2	--	2	.	0	4
West Virginia	--	.	--	--	--	.	0	2
<b>East South Central</b>	--	.	<b>1</b>	--	<b>1</b>	.	<b>48</b>	<b>1</b>
Alabama	--	.	2	--	2	.	0	2
Kentucky	--	.	1	--	1	.	--	9
Mississippi	--	.	1	--	1	.	51	3
Tennessee	--	.	4	--	3	.	105	2
<b>West South Central</b>	--	.	<b>2</b>	--	<b>1</b>	.	<b>4</b>	<b>1</b>
Arkansas	--	.	1	--	1	.	0	2
Louisiana	--	.	3	--	2	.	3	1
Oklahoma	--	.	8	--	7	.	0	12
Texas	--	.	4	--	3	.	7	1
<b>Mountain</b>	<b>102</b>	.	<b>1</b>	<b>45</b>	<b>1</b>	.	<b>6</b>	<b>4</b>
Arizona	--	.	--	--	--	.	--	27
Colorado	102	.	--	--	97	.	19	21
Idaho	--	.	1	--	1	.	0	5
Montana	--	.	--	--	--	.	--	111
Nevada	--	.	--	45	45	.	--	16
New Mexico	--	.	--	--	--	.	--	62
Utah	--	.	--	--	--	.	0	4
Wyoming	--	.	--	--	--	.	0	5
<b>Pacific Contiguous</b>	--	.	<b>3</b>	<b>193</b>	<b>2</b>	.	<b>4</b>	<b>2</b>
California	--	.	6	193	5	.	4	2
Oregon	--	.	4	--	4	.	0	9
Washington	--	.	3	--	2	.	0	2
<b>Pacific Noncontiguous</b>	--	.	<b>14</b>	--	<b>12</b>	.	--	<b>14</b>
Alaska	--	.	60	--	55	.	--	32
Hawaii	--	.	14	--	13	.	--	15
<b>U.S. Total</b>	<b>9</b>	.	<b>1</b>	<b>65</b>	<b>1</b>	.	<b>2</b>	<b>*</b>

\* = 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 A6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2012**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	1	*	1	0	*
Connecticut	1	*	2	0	*
Maine	1	*	4	0	1
Massachusetts	1	1	2	0	1
New Hampshire	1	*	2	0	1
Rhode Island	0	0	0	0	0
Vermont	5	1	4	0	2
<b>Middle Atlantic</b>	*	*	1	*	*
New Jersey	*	*	8	4	1
New York	*	*	2	0	*
Pennsylvania	1	*	*	0	*
<b>East North Central</b>	1	*	1	0	*
Illinois	1	*	1	0	*
Indiana	1	1	1	0	1
Michigan	1	*	2	0	1
Ohio	1	*	1	0	*
Wisconsin	2	1	4	0	1
<b>West North Central</b>	1	*	2	0	1
Iowa	3	2	4	0	2
Kansas	2	1	2	0	1
Minnesota	3	1	4	0	2
Missouri	1	*	2	0	1
Nebraska	3	2	4	0	2
North Dakota	4	2	11	0	4
South Dakota	5	2	8	0	3
<b>South Atlantic</b>	1	*	1	0	*
Delaware	1	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	*
Georgia	1	1	1	0	1
Maryland	1	*	2	0	1
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	*	1	0	*
West Virginia	*	*	*	0	*
<b>East South Central</b>	1	1	1	0	*
Alabama	2	1	1	0	1
Kentucky	2	1	1	0	1
Mississippi	2	2	2	0	1
Tennessee	1	1	2	0	1
<b>West South Central</b>	1	*	1	1	*
Arkansas	2	1	1	188	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	2	0	1
Texas	1	*	1	0	*
<b>Mountain</b>	1	*	1	0	*
Arizona	1	*	2	0	*
Colorado	2	1	3	0	1
Idaho	3	1	2	0	1
Montana	5	2	7	0	3
Nevada	1	*	*	0	*
New Mexico	3	1	4	0	1
Utah	2	1	1	0	1
Wyoming	6	2	3	0	2
<b>Pacific Contiguous</b>	1	*	2	0	1
California	*	*	1	0	*
Oregon	3	1	6	0	2
Washington	3	1	4	0	2
<b>Pacific Noncontiguous</b>	3	1	3	0	1
Alaska	7	3	11	0	4
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	*	*	*	*	*

\* = 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 A6.B. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through July 2012**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	*	*	*	*	*
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	1	1	1	0	1
New Hampshire	*	*	1	0	*
Rhode Island	0	0	0	3	*
Vermont	1	*	1	0	1
<b>Middle Atlantic</b>	*	*	*	2	*
New Jersey	*	*	2	1	*
New York	*	*	1	3	*
Pennsylvania	*	*	*	0	*
<b>East North Central</b>	*	*	*	2	*
Illinois	*	*	*	2	*
Indiana	*	*	*	0	*
Michigan	*	*	1	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	1	0	*
<b>West North Central</b>	*	*	1	0	*
Iowa	1	1	1	0	1
Kansas	1	1	1	0	*
Minnesota	*	*	1	0	*
Missouri	*	*	1	0	*
Nebraska	1	1	1	0	1
North Dakota	1	1	3	0	1
South Dakota	1	1	2	0	1
<b>South Atlantic</b>	*	*	*	1	*
Delaware	1	*	1	0	*
District of Columbia	0	0	0	0	0
Florida	*	*	1	0	*
Georgia	1	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	*	0	*
South Carolina	1	*	*	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	269	*
<b>East South Central</b>	*	*	*	0	*
Alabama	1	*	*	0	*
Kentucky	1	*	*	0	*
Mississippi	1	1	1	0	*
Tennessee	*	*	*	0	*
<b>West South Central</b>	*	*	*	*	*
Arkansas	1	1	1	68	*
Louisiana	1	*	*	0	*
Oklahoma	1	*	1	0	*
Texas	*	*	*	0	*
<b>Mountain</b>	*	*	*	0	*
Arizona	*	*	*	0	*
Colorado	1	*	1	0	*
Idaho	*	*	1	0	*
Montana	1	1	2	0	1
Nevada	*	*	*	0	*
New Mexico	1	*	1	0	*
Utah	1	*	*	0	*
Wyoming	1	1	1	0	*
<b>Pacific Contiguous</b>	*	*	*	*	*
California	*	*	*	0	*
Oregon	*	*	2	0	*
Washington	*	*	1	15	*
<b>Pacific Noncontiguous</b>	*	*	1	0	*
Alaska	1	1	2	0	1
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	*	*	*	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 A7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2012**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	*	*	1	0	*
Connecticut	*	*	2	0	*
Maine	1	*	3	0	1
Massachusetts	1	*	2	0	1
New Hampshire	1	*	3	0	1
Rhode Island	0	0	0	0	0
Vermont	3	1	5	0	2
<b>Middle Atlantic</b>	*	*	2	*	*
New Jersey	*	*	7	3	*
New York	*	*	1	0	*
Pennsylvania	*	*	1	2	*
<b>East North Central</b>	*	*	1	11	*
Illinois	1	*	2	13	*
Indiana	1	1	1	0	1
Michigan	1	*	2	0	1
Ohio	1	*	2	0	*
Wisconsin	2	1	3	0	1
<b>West North Central</b>	1	1	2	0	1
Iowa	3	2	5	0	2
Kansas	2	1	4	0	1
Minnesota	3	1	4	0	2
Missouri	1	*	3	0	1
Nebraska	3	2	4	0	2
North Dakota	5	2	10	0	3
South Dakota	6	3	8	0	3
<b>South Atlantic</b>	1	*	1	3	*
Delaware	1	1	6	0	1
District of Columbia	0	0	0	9	*
Florida	1	1	3	0	1
Georgia	1	1	2	0	1
Maryland	1	*	2	0	*
North Carolina	1	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	1	2	0	1
West Virginia	1	*	*	0	*
<b>East South Central</b>	1	1	1	0	1
Alabama	2	1	1	0	1
Kentucky	2	1	2	0	1
Mississippi	3	2	3	0	2
Tennessee	1	1	2	0	1
<b>West South Central</b>	1	1	1	1	1
Arkansas	2	2	2	106	1
Louisiana	2	1	1	0	1
Oklahoma	2	1	3	0	1
Texas	1	1	1	0	1
<b>Mountain</b>	1	*	1	0	*
Arizona	1	1	2	0	*
Colorado	2	1	3	0	1
Idaho	3	2	1	0	1
Montana	6	2	9	0	3
Nevada	1	1	*	0	*
New Mexico	3	2	4	0	2
Utah	2	1	1	0	1
Wyoming	7	3	3	0	2
<b>Pacific Contiguous</b>	1	*	1	0	*
California	*	*	1	0	*
Oregon	3	1	6	0	2
Washington	3	1	5	0	2
<b>Pacific Noncontiguous</b>	2	1	1	0	1
Alaska	7	5	7	0	4
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	*	*	*	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 A7.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 July 2012**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	*	*	*	*	*
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	1	1	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	0	0	1	0
Vermont	1	1	1	0	*
<b>Middle Atlantic</b>	*	*	1	2	*
New Jersey	*	*	2	*	*
New York	*	*	*	2	*
Pennsylvania	*	*	1	3	*
<b>East North Central</b>	*	*	*	2	*
Illinois	*	*	1	2	*
Indiana	*	*	*	0	*
Michigan	*	*	1	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	1	0	*
<b>West North Central</b>	*	*	1	0	*
Iowa	1	1	1	0	1
Kansas	1	1	1	0	1
Minnesota	*	*	1	0	*
Missouri	*	*	1	0	*
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	1	2	0	1
<b>South Atlantic</b>	*	*	*	1	*
Delaware	*	*	2	0	*
District of Columbia	*	0	0	2	*
Florida	*	*	1	0	*
Georgia	1	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	1	*	1	0	*
South Carolina	1	1	1	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	230	*
<b>East South Central</b>	*	*	*	0	*
Alabama	1	1	1	0	*
Kentucky	1	*	*	0	*
Mississippi	1	1	1	0	1
Tennessee	*	*	1	0	*
<b>West South Central</b>	*	*	*	*	*
Arkansas	1	1	1	57	1
Louisiana	1	1	*	0	*
Oklahoma	1	1	1	0	1
Texas	*	*	1	0	*
<b>Mountain</b>	*	*	*	0	*
Arizona	*	*	1	0	*
Colorado	1	*	1	0	*
Idaho	*	1	1	0	*
Montana	1	1	2	0	1
Nevada	*	*	*	0	*
New Mexico	1	1	1	0	1
Utah	1	*	*	0	*
Wyoming	1	1	1	0	*
<b>Pacific Contiguous</b>	*	*	*	*	*
California	*	*	*	0	*
Oregon	*	*	2	0	*
Washington	*	*	1	9	*
<b>Pacific Noncontiguous</b>	*	*	*	0	*
Alaska	1	2	2	0	1
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	*	*	*	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 A8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers  
by End-Use Sector, Census Division, and State, July 2012**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	*	*	1	0	*
Connecticut	*	*	2	0	*
Maine	1	*	4	0	1
Massachusetts	1	*	1	0	*
New Hampshire	1	*	1	0	*
Rhode Island	0	0	0	0	0
Vermont	3	1	2	0	1
<b>Middle Atlantic</b>	*	*	1	1	*
New Jersey	*	*	4	4	*
New York	*	*	1	0	*
Pennsylvania	*	*	1	2	*
<b>East North Central</b>	*	*	*	11	*
Illinois	*	*	1	13	*
Indiana	1	*	1	0	*
Michigan	*	*	1	0	*
Ohio	*	*	1	0	*
Wisconsin	*	*	1	0	1
<b>West North Central</b>	*	*	1	0	*
Iowa	1	1	2	0	1
Kansas	1	1	3	0	1
Minnesota	1	1	2	0	1
Missouri	1	*	1	0	*
Nebraska	1	1	2	0	1
North Dakota	1	1	4	0	2
South Dakota	1	2	3	0	1
<b>South Atlantic</b>	*	*	1	3	*
Delaware	1	*	3	0	*
District of Columbia	0	0	0	9	*
Florida	*	*	2	0	*
Georgia	1	1	2	0	*
Maryland	1	*	1	0	*
North Carolina	1	1	1	0	*
South Carolina	1	1	1	0	1
Virginia	*	*	2	0	*
West Virginia	*	*	*	0	*
<b>East South Central</b>	*	*	1	0	*
Alabama	1	1	1	0	1
Kentucky	1	*	1	0	*
Mississippi	1	1	2	0	1
Tennessee	1	*	1	0	*
<b>West South Central</b>	*	*	1	1	*
Arkansas	1	1	2	172	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	3	0	1
Texas	*	*	1	0	*
<b>Mountain</b>	*	*	*	0	*
Arizona	*	*	1	0	*
Colorado	1	1	2	0	1
Idaho	1	1	1	0	1
Montana	2	1	4	0	1
Nevada	*	1	*	0	*
New Mexico	1	1	3	0	1
Utah	1	1	1	0	1
Wyoming	2	2	1	0	1
<b>Pacific Contiguous</b>	*	*	1	0	*
California	*	*	1	0	*
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
<b>Pacific Noncontiguous</b>	1	1	2	0	1
Alaska	3	3	6	0	2
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	*	*	*	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 A8.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 July 2012**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	*	*	*	*	*
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	*	1	*	0	*
New Hampshire	*	*	0	0	*
Rhode Island	0	0	0	3	*
Vermont	*	*	*	0	*
<b>Middle Atlantic</b>	*	*	*	0	*
New Jersey	*	*	1	1	*
New York	*	*	0	0	*
Pennsylvania	*	*	1	3	*
<b>East North Central</b>	0	*	*	2	*
Illinois	*	*	*	3	*
Indiana	*	*	*	0	*
Michigan	0	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	0	*	1	0	*
<b>West North Central</b>	0	*	*	0	*
Iowa	0	1	1	0	*
Kansas	*	1	1	0	*
Minnesota	0	*	1	0	0
Missouri	*	*	*	0	*
Nebraska	0	1	1	0	*
North Dakota	0	*	2	0	1
South Dakota	0	1	2	0	0
<b>South Atlantic</b>	*	*	*	1	*
Delaware	*	*	1	0	*
District of Columbia	*	0	0	2	*
Florida	*	*	1	0	*
Georgia	*	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	1	0	*
South Carolina	*	*	1	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	39	*
<b>East South Central</b>	*	*	*	0	*
Alabama	*	1	1	0	*
Kentucky	*	*	*	0	*
Mississippi	1	1	1	0	*
Tennessee	0	*	*	0	*
<b>West South Central</b>	*	*	*	*	*
Arkansas	*	1	1	67	*
Louisiana	*	1	*	0	*
Oklahoma	*	1	1	0	*
Texas	*	*	*	0	*
<b>Mountain</b>	0	*	*	0	*
Arizona	0	*	*	0	*
Colorado	0	*	1	0	*
Idaho	0	*	*	0	0
Montana	0	1	2	0	0
Nevada	0	*	*	0	*
New Mexico	0	1	1	0	*
Utah	0	*	*	0	*
Wyoming	0	*	1	0	*
<b>Pacific Contiguous</b>	0	*	*	*	*
California	0	*	*	0	*
Oregon	0	*	1	0	*
Washington	0	*	1	7	*
<b>Pacific Noncontiguous</b>	0	*	1	0	*
Alaska	0	1	2	0	1
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	*	*	*	*	*

\* = 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	07/05/2012 4:30 AM	01/12/2125 5:00 PM	986,364 Hours, 30 Minutes	Consumers Energy	RFC	Lower Peninsula Michigan	Severe Weather - Thunderstorms	111000	Unknown
2012	7	01/02/2125 2:00 AM	01/06/2125 6:00 AM	100 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	320000	Unknown
2012	7	01/02/2125 9:34 AM	01/02/2125 10:00 PM	12 Hours, 26 Minutes	North Carolina Municipal Power Agency #1	SERC	Tarboro, North Carolina	Operational Failure; Storm Damage	6100	48
2012	7	01/02/2125 11:30 AM	01/02/2125 8:30 PM	9 Hours, 0 Minutes	Progress Energy, Carolinas	SERC	Northern, Central and Eastern North Carolina	Severe Weather	69106	Unknown
2012	7	01/10/2125 2:00 PM	01/12/2125 8:00 AM	42 Hours, 0 Minutes	Tennessee Valley Authority (TVA)	SERC	Northeast Tennessee	Severe Weather - Wind & Storms	50001	N/A
2012	7	01/13/2125 8:00 AM	01/19/2125 8:00 AM	144 Hours, 0 Minutes	California Department of Water Resources	WECC	CAISO California	Fuel Supply Deficiency (Water)	0	Unknown
2012	7	01/13/2125 12:12 PM	01/18/2125 10:00 PM	129 Hours, 48 Minutes	PPL Electric Utilities Corp	RFC	Lower Valley, Central, Susquehanna Regions Pennsylvania	Severe Weather - Thunderstorms	64500	N/A
2012	7	01/14/2125 12:00 PM	01/18/2125 2:02 PM	98 Hours, 2 Minutes	FirstEnergy Corp. Jersey Central Power & Light	RFC	Central and Northern New Jersey	Severe Weather - Thunderstorms	95400	N/A
2012	7	01/18/2125 12:30 AM	01/18/2125 8:28 AM	7 Hours, 58 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Energy Deficiency Alert	Unknown	9896
2012	7	01/31/2125 10:54 PM	02/01/2125 12:58 AM	2 Hours, 4 Minutes	North Little Rock Electric Department	SPP	Little Rock, Arkansas	Public Appeal to Reduce Energy Usage	N/A	N/A
2012	7	02/05/2125 4:32 AM	02/07/2125 11:56 PM	67 Hours, 24 Minutes	Duke Energy Midwest	RFC	Southeast Ohio, Northern Kentucky, Southern Indiana	Severe Weather - Thunderstorms	103000	480
2012	7	02/05/2125 8:40 AM	02/05/2125 2:10 PM	5 Hours, 30 Minutes	American Electric Power (AEP)	RFC	Eastern Ohio	Severe Weather - Thunderstorms	67000	Unknown
2012	7	02/05/2125 10:00 PM	02/06/2125 12:00 PM	14 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Northern Illinois	Severe Weather - Thunderstorms	181000	Unknown
2012	7	02/06/2125 9:00 PM	03/02/2125 10:00 PM	577 Hours, 0 Minutes	Somerset Operating Company	NPCC	Niagara County, New York	Fuel Supply Deficiency (Coal)	Unknown	675
2012	7	02/10/2125 4:38 AM	02/10/2125 10:40 AM	6 Hours, 2 Minutes	Lubbock Power and Light	TRE	City of Lubbock, Texas	Severe Weather; Equipment Failure	70000	220
2012	7	02/16/2125 2:02 PM	02/17/2125 9:00 AM	18 Hours, 58 Minutes	Northern Indiana Public Service Company	RFC	Northern Indiana	Severe Weather - Thunderstorms	82621	N/A



**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	7	02/16/2125 3:00 PM	02/17/2125 8:00 PM	29 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Northern Illinois	Severe Weather - Thunderstorms	330000	Unknown
2012	7	02/21/2125 12:28 PM	02/23/2125 12:28 PM	48 Hours, 0 Minutes	FirstEnergy Corp.: Pennsylvania Electric Company	RFC	Western Pennsylvania	Severe Weather - Thunderstorms	65112	N/A
2012	7	02/21/2125 12:42 PM	02/25/2125 11:00 PM	106 Hours, 18 Minutes	PPL Electric Utilities Corp	RFC	North/Central Pennsylvania	Severe Weather - Thunderstorms	65000	N/A
2012	7	02/21/2125 1:00 PM	02/23/2125 10:44 AM	45 Hours, 44 Minutes	American Electric Power (AEP)	RFC	Eastern Ohio	Severe Weather - Thunderstorms	57054	Unknown
2012	7	02/23/2125 10:38 AM	02/25/2125 10:38 AM	48 Hours, 0 Minutes	Duke Energy Midwest	RFC	Central Indiana	Severe Weather - Thunderstorms	52702	Unknown

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	IEA	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 Hudspheth 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	03/18/2011 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	Arkansas, 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	Tennessee 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	Tennessee 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, Sarcocix, and Wentworth, Missouri	Severe Weather	200	20000



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	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
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

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	08/27/2011 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	08/29/2011 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 Westchester 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
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.'



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## Appendix C

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### 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 approximately 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 approximately 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 sample<sup>21,24</sup>. 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 data<sup>22</sup>. 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 Inference<sup>16</sup>," 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:

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

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 electric 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<sup>1</sup>.

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 performed 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 entities<sup>14</sup>. 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<sup>15</sup>. 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
<u>Prime Movers:</u>
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
<u>Environmental Equipment:</u>
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<sup>2</sup>:** 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).<sup>3</sup>

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).

#### 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

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**Public Administration**

92

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<sup>1</sup> 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/>.

<sup>2</sup> 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.

<sup>3</sup> 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 C1. Average Heat Content of Fossil-Fuel Receipts, July 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	23.84	5.81	--	1.03
Connecticut	--	5.62	--	1.03
Maine	25.38	5.85	--	1.04
Massachusetts	23.60	5.80	--	1.03
New Hampshire	--	6.08	--	1.03
Rhode Island	--	5.83	--	1.03
Vermont	--	5.71	--	1.02
Middle Atlantic	21.47	5.98	28.60	1.03
New Jersey	24.96	5.99	--	1.03
New York	21.00	5.88	--	1.03
Pennsylvania	21.33	6.12	28.60	1.03
East North Central	20.18	5.80	28.00	1.02
Illinois	17.87	5.78	--	1.02
Indiana	21.75	5.79	--	1.02
Michigan	19.71	5.82	28.28	1.02
Ohio	24.03	5.78	28.01	1.02
Wisconsin	18.18	5.84	27.78	1.02
West North Central	16.74	5.80	28.60	1.02
Iowa	17.23	5.82	28.60	1.02
Kansas	17.30	5.82	--	1.03
Minnesota	17.76	5.86	--	1.02
Missouri	17.65	5.77	--	1.02
Nebraska	17.03	5.79	--	1.02
North Dakota	13.31	5.85	--	1.02
South Dakota	16.53	5.80	--	1.03
South Atlantic	23.42	6.07	27.90	1.02
Delaware	25.38	5.71	--	1.02
District of Columbia	--	--	--	--
Florida	23.61	6.16	28.79	1.01
Georgia	20.82	6.08	25.73	1.01
Maryland	24.35	5.84	--	1.03
North Carolina	24.43	5.97	--	1.01
South Carolina	25.00	5.97	--	1.03
Virginia	23.26	6.16	--	1.04
West Virginia	24.07	5.74	--	1.03
East South Central	21.43	5.79	28.57	1.01
Alabama	21.07	5.79	--	1.01
Kentucky	22.58	5.81	28.57	1.02
Mississippi	16.90	5.80	--	1.01
Tennessee	21.45	5.80	--	1.01
West South Central	15.90	5.83	29.25	1.02
Arkansas	17.38	5.74	--	1.02
Louisiana	16.23	5.95	29.23	1.02
Oklahoma	17.21	5.82	28.60	1.03
Texas	15.37	5.78	29.27	1.02
Mountain	19.05	5.48	29.01	1.04
Arizona	19.52	5.62	--	1.02
Colorado	18.99	5.80	--	1.05
Idaho	22.86	5.78	--	1.01
Montana	16.84	4.82	29.01	1.02
Nevada	20.33	5.82	--	1.05
New Mexico	18.74	5.74	--	1.04
Utah	21.68	5.83	--	1.04
Wyoming	17.79	5.31	--	1.01
Pacific Contiguous	22.91	5.65	28.60	1.03
California	23.20	5.74	28.60	1.03
Oregon	--	6.23	--	1.02
Washington	18.92	5.60	--	1.02
Pacific Noncontiguous	18.36	6.06	--	1.01
Alaska	16.66	5.50	--	1.01
Hawaii	20.55	6.14	--	--
U.S. Total	19.29	6.00	28.60	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 C2. Comparison of preliminary monthly data versus final monthly data at the U.S. level, 2008 through 2010**

Item	Mean absolute value of change (percent)		
	Total (all sectors)		
	2008	2009	2010
<b>Net Generation</b>			
Coal <sup>1</sup>	.44	.49	.20
Petroleum Liquids <sup>2</sup>	2.82	1.45	1.88
Petroleum Coke	1.40	1.48	1.75
Natural Gas <sup>3</sup>	.69	.45	.76
Other Gases	2.37	1.48	1.55
Hydroelectric <sup>4</sup>	2.73	.90	.97
Nuclear	*	.01	--
Other	2.94	2.64	.78
<b>Total</b>	<b>.22</b>	<b>.11</b>	<b>.17</b>
<b>Consumption of Fossil Fuels for Electric Generation</b>			
Coal <sup>1</sup>	.32	.36	.11
Petroleum Liquids <sup>2</sup>	3.54	1.80	1.49
Petroleum Coke	1.64	1.27	1.50
Natural Gas <sup>3</sup>	.95	.47	.70
<b>Fuel Stocks<sup>6</sup></b>			
Coal <sup>1</sup>	.79	.10	.18
Petroleum Liquids <sup>2</sup>	--	--	--
Petroleum Coke	--	--	--
<b>Retail Sales</b>			
Residential	.05	.12	.32
Commercial <sup>7</sup>	1.22	1.20	.14
Industrial <sup>7</sup>	2.76	4.03	.90
Other <sup>8</sup>	--	--	--
Transportation <sup>7</sup>	.66	1.63	2.18
<b>Total</b>	<b>.31</b>	<b>.60</b>	<b>.17</b>
<b>Revenue</b>			
Residential <sup>7</sup>	.77	.22	.70
Commercial <sup>7</sup>	.36	1.59	.61
Industrial	.33	3.59	.66
Other <sup>8</sup>	--	--	--
Transportation <sup>7</sup>	4.05	3.48	4.24
<b>Total</b>	<b>.47</b>	<b>.14</b>	<b>.45</b>

**Table C2. Comparison of preliminary monthly data versus final monthly data at the U.S. level, 2008 through 2010 (continued)**

Item	Mean absolute value of change (percent)		
	Total (all sectors)		
	2008	2009	2010
<b>Average Retail Price</b>			
Residential	.83	.34	.43
Commercial <sup>7</sup>	.88	.41	.67
Industrial <sup>7</sup>	2.67	.57	.41
Other <sup>8</sup>	--	--	--
Transportation <sup>7</sup>	4.66	4.60	3.87
<b>Total</b>	<b>.78</b>	<b>.70</b>	<b>.55</b>
<b>Receipts of Fossil Fuels</b>			
Coal <sup>1</sup>	.05	.11	.07
Petroleum Liquids <sup>2</sup>	1.05	.92	.49
Petroleum Coke	.92	.73	.45
Natural Gas <sup>3</sup>	.08	.10	.10
<b>Cost of Fossil Fuels<sup>1</sup></b>			
Coal <sup>1</sup>	.04	.02	.01
Petroleum Liquids <sup>2</sup>	.22	.41	.03
Petroleum Coke	1.17	.16	.29
Natural Gas <sup>3</sup>	.16	.11	.02

<sup>1</sup>Anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

<sup>2</sup>Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil. In 2004 petroleum stocks exclude waste oil.

<sup>3</sup>Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

<sup>4</sup>Includes conventional hydroelectric and hydroelectric pumped storage facilities.

<sup>5</sup>Includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

<sup>6</sup>Stocks are end-of-month values.

<sup>7</sup>See technical notes (<http://www.eia.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

<sup>8</sup>Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

<sup>9</sup>Data represent weighted values.

\*\* = Value is less than 0.005.

Notes:

- Change refers to the difference between estimates or preliminary monthly data published in the Electric Power Monthly (EPM) and the final monthly data published in the EPM.
- Values for 2010 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 C3. Comparison of annual monthly estimates versus annual data at the U.S. level, all sectors  
2008 through 2010**

Item	2008			2009			2010		
	Annual monthly estimates	Annual final	Change (percent)	Annual monthly estimates	Annual final	Change (percent)	Annual monthly estimates	Annual final	Change (percent)
<b>Net Generation (thousand megawatthours)</b>									
Coal <sup>1</sup>	1,994,385	1,985,801	-4	1,764,486	1,755,904	-5	1,850,750	1,847,290	-2
Petroleum Liquids <sup>2</sup>	31,162	31,917	2.4	25,792	25,972	.7	23,397	23,337	-3
Petroleum Coke	14,192	14,325	.9	13,035	12,964	-5	13,528	13,724	1.5
Natural Gas <sup>3</sup>	876,948	882,981	.7	920,378	920,979	.1	981,815	987,693	.6
Other Gases	11,573	11,707	1.2	10,698	10,632	-6	11,193	11,313	1.1
Hydroelectric <sup>4</sup>	241,847	248,543	2.8	267,784	268,818	.4	252,961	254,702	.7
Nuclear	806,182	806,208	--	798,745	798,855	*	806,968	806,968	--
Other <sup>5</sup>	133,971	137,905	2.9	152,193	156,207	2.6	179,416	182,617	1.8
<b>Total</b>	<b>4,110,259</b>	<b>4,119,388</b>	<b>.2</b>	<b>3,953,111</b>	<b>3,950,331</b>	<b>-1</b>	<b>4,120,028</b>	<b>4,127,644</b>	<b>.2</b>
<b>Consumption of Fossil Fuels for Electric Generation</b>									
Coal 1,000 tons <sup>1</sup>	1,043,589	1,042,335	-1	938,059	934,683	-4	979,555	979,644	*
Petroleum Liquids (1,000 barrels) <sup>2</sup>	52,268	53,846	3.0	43,672	43,562	-3	40,041	40,103	.2
Petroleum Coke (1,000 tons)	5,396	5,417	.4	4,855	4,821	-7	4,956	4,994	.8
Natural Gas (1,000 Mcf) <sup>3</sup>	6,833,398	6,895,843	.9	7,104,600	7,121,069	.2	7,633,469	7,680,170	.6
<b>Fuel Stocks for Electric Power Sector<sup>6</sup></b>									
Coal (1,000 tons) <sup>1</sup>	163,056	161,589	-9	189,971	189,467	-3	175,160	174,917	-1
Petroleum Liquids (1,000 barrels) <sup>2</sup>	42,737	40,804	-4.5	38,699	39,210	1.3	36,126	35,706	-1.2
Petroleum Coke (1,000 tons)	794	739	-7.0	1,395	1,394	-1	1,087	1,019	-6.3
<b>Retail Sales (million kWh)</b>									
Residential	1,379,307	1,379,981	.1	1,362,869	1,364,474	.1	1,450,758	1,445,707	-4
Commercial <sup>7</sup>	1,352,453	1,335,981	-1.2	1,322,989	1,307,168	-1.2	1,329,322	1,328,603	-1
Industrial <sup>7</sup>	982,150	1,009,300	2.8	881,903	917,442	4.0	962,165	962,245	*
Other <sup>8</sup>	--	--	--	--	--	--	--	--	--
Transportation <sup>7</sup>	7,652	7,700	.6	7,689	7,781	1.2	7,740	7,712	-4
<b>Total</b>	<b>3,721,562</b>	<b>3,732,962</b>	<b>.3</b>	<b>3,575,450</b>	<b>3,596,865</b>	<b>.6</b>	<b>3,749,985</b>	<b>3,744,267</b>	<b>-2</b>
<b>Retail Revenue (million dollars)</b>									
Residential	156,633	155,433	-8	157,351	157,008	-2	167,957	166,778	-7
Commercial <sup>7</sup>	138,970	138,469	-4	135,084	132,940	-1.6	136,361	135,440	-7
Industrial <sup>7</sup>	68,889	68,920	*	60,341	62,504	3.6	65,311	65,157	-2
Other <sup>8</sup>	--	--	--	--	--	--	--	--	--
Transportation <sup>7</sup>	863	827	-4.2	859	828	-3.6	848	814	-4.0

**Table C3. Comparison of annual monthly estimates versus annual data at the U.S. level, all sectors 2008 through 2010 (continued)**

Item	2008			2009			2010		
	Annual monthly estimates	Annual final	Change (percent)	Annual monthly estimates	Annual final	Change (percent)	Annual monthly estimates	Annual final	Change (percent)
Transportation <sup>7</sup>	863	827	-4.2	859	828	-3.6	848	814	-4.0
<b>Total</b>	<b>365,355</b>	<b>363,650</b>	<b>-5</b>	<b>353,635</b>	<b>353,280</b>	<b>-1</b>	<b>370,477</b>	<b>368,189</b>	<b>-6</b>
<b>Average Retail Price (cents/kWh)</b>									
Residential	11.36	11.26	-9	11.55	11.51	-4	11.58	11.54	-4
Commercial <sup>7</sup>	10.28	10.36	.8	10.21	10.17	-4	10.26	10.19	-7
Industrial <sup>7</sup>	7.01	6.83	-2.6	6.84	6.81	-4	6.79	6.77	-3
Other <sup>8</sup>	--	--	--	--	--	--	--	--	--
Transportation <sup>7</sup>	11.28	10.74	-4.8	11.17	10.65	-4.7	10.96	10.56	-3.7
<b>Total</b>	<b>9.82</b>	<b>9.74</b>	<b>-8</b>	<b>9.89</b>	<b>9.82</b>	<b>-7</b>	<b>9.88</b>	<b>9.83</b>	<b>-5</b>
<b>Receipts of Fossil Fuels</b>									
Coal (1,000 tons) <sup>1</sup>	1,073,906	1,069,709	-4	972,973	981,477	.9	976,052	979,918	.4
Petroleum Liquids (1,000 barrels) <sup>2</sup>	66,647	61,139	-8.3	50,184	54,181	8.0	46,156	45,472	-1.5
Petroleum Coke (1,000 tons)	7,361	7,040	-4.4	6,570	6,954	5.9	5,868	5,963	1.6
Natural Gas (1,000 Mcf) <sup>3</sup>	7,825,970	7,879,046	.7	8,096,135	8,118,550	.3	8,605,619	8,673,070	.8
<b>Cost of Fossil Fuels (dollars per million Btu)<sup>9</sup></b>									
Coal <sup>1</sup>	2.07	2.07	--	2.21	2.21	--	2.27	2.27	--
Petroleum Liquids <sup>2</sup>	15.56	15.52	-3	9.95	10.26	3.1	14.03	14.02	-1
Petroleum Coke	1.92	2.11	9.9	1.62	1.61	-.6	2.23	2.28	2.2
Natural Gas <sup>3</sup>	9.11	9.02	-1.0	4.70	4.74	.9	5.08	5.09	.2

<sup>1</sup>Anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

<sup>2</sup>Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil. In 2004 petroleum stocks exclude waste oil.

<sup>3</sup>Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

<sup>4</sup>Includes conventional hydroelectric and hydroelectric pumped storage facilities.

<sup>5</sup>Includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

<sup>6</sup>Stocks are end-of-month values.

<sup>7</sup>See technical notes (<http://www.eia.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

<sup>8</sup>Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

<sup>9</sup>Data represent weighted values.

\*\* = Value is less than 0.05.

Notes: • The average revenue per kilowatthour is calculated by dividing revenue by sales. • Mean absolute value of change is the unweighted average of the absolute changes.

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

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 C4. 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.



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## Glossary

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**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 earth's 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 through 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, (C<sub>3</sub>H<sub>8</sub>). 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.



**Watt-hour (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.