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

Preface

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

Background

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

Data sources

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

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Table ES1.A. Total Electric Power Industry Summary Statistics, 2012 and 2011

Net Generation and Consumption of Fuels for December											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Net Generation (Thousand Megawatthours)											
Coal	134,230	132,929	1.0%	101,480	99,641	31,555	32,045	81	78	1,115	1,165
Petroleum Liquids	973	1,178	-17.4%	737	879	195	238	6	5	36	55
Petroleum Coke	784	1,007	-22.2%	434	667	133	241	1	1	216	100
Natural Gas	84,103	86,122	-2.3%	35,541	34,186	40,190	44,007	478	499	7,894	7,429
Other Gas	858	1,005	-14.6%	NM	3	224	244	--	*	634	758
Nuclear	68,584	71,837	-4.5%	33,656	38,952	34,928	32,885	--	--	--	--
Hydroelectric Conventional	23,248	23,732	-2.0%	21,171	21,300	1,855	2,252	NM	2	218	178
Other Renewables	21,004	17,185	22.2%	2,590	2,079	15,690	12,425	245	207	2,479	2,474
Wood and Wood-Derived Fuels	3,350	3,353	-0.1%	184	176	776	783	NM	3	2,388	2,392
Other Biomass	1,762	1,731	1.8%	116	125	1,328	1,330	231	195	88	81
Geothermal	1,459	1,324	10.2%	99	100	1,359	1,224	--	--	--	--
Solar Thermal and Photovoltaic	258	121	113.8%	30	19	222	98	NM	4	NM	*
Wind	14,175	10,656	33.0%	2,162	1,659	12,005	8,990	NM	6	NM	1
Hydroelectric Pumped Storage	-549	-496	10.7%	-472	-437	-77	-59	--	--	--	--
Other Energy Sources	1,101	1,254	-12.1%	26	49	628	639	98	81	350	483
All Energy Sources	334,335	335,753	-0.4%	195,163	197,318	125,319	124,919	911	874	12,942	12,642
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	73,144	73,610	-0.6%	54,556	54,146	18,181	18,917	28	26	378	521
Petroleum Liquids (1000 barrels)	1,629	1,952	-16.5%	1,310	1,539	266	343	8	8	44	62
Petroleum Coke (1000 tons)	300	365	-17.8%	170	252	56	88	*	*	74	25
Natural Gas (1000 Mcf)	617,909	642,055	-3.8%	269,163	271,041	289,464	315,311	4,022	4,309	55,260	51,394
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,807	1,812	-0.3%	--	--	274	296	123	113	1,410	1,403
Petroleum Liquids (1000 barrels)	210	286	-26.7%	--	--	86	76	7	3	117	207
Petroleum Coke (1000 tons)	118	95	23.8%	--	--	10	10	1	1	107	84
Natural Gas (1000 Mcf)	78,080	75,769	3.0%	--	--	26,832	27,542	3,621	4,083	47,627	44,145
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	74,951	75,422	-0.6%	54,556	54,146	18,455	19,213	151	139	1,789	1,923
Petroleum Liquids (1000 barrels)	1,838	2,238	-17.8%	1,310	1,539	351	419	16	11	161	269
Petroleum Coke (1000 tons)	418	460	-9.2%	170	252	66	98	1	2	180	109
Natural Gas (1000 Mcf)	695,989	717,824	-3.0%	269,163	271,041	316,296	342,852	7,643	8,392	102,887	95,539
Fuel Stocks (end-of-month)											
Coal (1000 tons)	187,830	175,154	7.2%	151,113	142,103	33,810	30,284	430	449	2,477	2,319
Petroleum Liquids (1000 barrels)	34,819	37,264	-6.6%	23,901	25,648	7,995	9,198	298	251	2,624	2,166
Petroleum Coke (1000 tons)	998	1,084	-8.0%	414	404	81	104	W	W	W	W

Sales, Revenue, and Average Retail Price for December									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	December 2012	December 2011	Percentage Change	December 2012	December 2011	Percentage Change	December 2012	December 2011	Percentage Change
Residential	113,791	116,341	-2.2%	13,220	13,262	-0.3%	11.62	11.40	1.9%
Commercial	103,551	104,873	-1.3%	10,165	10,241	-0.7%	9.82	9.77	0.5%
Industrial	77,698	79,956	-2.8%	5,081	5,205	-2.4%	6.54	6.51	0.5%
Transportation	632	656	-3.5%	64	64	-0.1%	10.14	9.79	3.6%
All Sectors	295,673	301,826	-2.0%	28,531	28,772	-0.8%	9.65	9.53	1.3%

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

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

Net Generation and Consumption of Fuels for January through December											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
Net Generation (Thousand Megawatthours)											
Coal	1,517,203	1,733,430	-12.5%	1,147,861	1,301,107	354,870	416,783	837	1,049	13,634	14,490
Petroleum Liquids	13,209	16,086	-17.9%	9,990	11,688	2,628	3,655	84	86	506	657
Petroleum Coke	9,691	14,096	-31.2%	5,680	9,428	1,823	3,431	6	3	2,182	1,234
Natural Gas	1,230,708	1,013,689	21.4%	507,801	414,843	630,271	511,447	5,870	5,487	86,767	81,911
Other Gas	11,212	11,566	-3.1%	10	29	2,708	2,911	NM	3	8,490	8,624
Nuclear	769,331	790,204	-2.6%	394,823	415,298	374,509	374,906	--	--	--	--
Hydroelectric Conventional	276,535	319,355	-13.4%	253,304	291,413	21,340	26,117	NM	26	1,851	1,799
Other Renewables	218,787	193,981	12.8%	27,830	21,933	160,308	141,954	2,746	2,476	27,903	27,619
Wood and Wood-Derived Fuels	37,540	37,449	0.2%	1,832	2,023	8,734	8,709	25	26	26,949	26,691
Other Biomass	20,025	19,222	4.2%	1,445	1,417	15,129	14,573	2,536	2,315	915	917
Geothermal	16,791	15,316	9.6%	1,143	1,137	15,648	14,180	--	--	--	--
Solar Thermal and Photovoltaic	4,342	1,818	138.9%	604	216	3,598	1,511	125	84	14	7
Wind	140,089	120,177	16.6%	22,806	17,140	117,198	102,981	59	51	26	5
Hydroelectric Pumped Storage	-4,658	-5,905	-21.1%	-3,911	-5,298	-746	-607	--	--	--	--
Other Energy Sources	12,466	14,154	-11.9%	397	604	7,205	7,059	1,036	950	3,828	5,541
All Energy Sources	4,054,485	4,100,656	-1.1%	2,343,786	2,461,045	1,554,916	1,487,657	10,621	10,080	145,162	141,875
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	826,700	934,938	-11.6%	616,501	689,316	204,864	239,541	310	347	5,026	5,735
Petroleum Liquids (1000 barrels)	22,523	27,326	-17.6%	17,759	20,844	4,010	5,633	129	133	625	716
Petroleum Coke (1000 tons)	3,552	5,012	-29.1%	2,112	3,449	715	1,277	1	1	724	286
Natural Gas (1000 Mcf)	9,465,207	7,883,865	20.1%	4,115,509	3,446,087	4,694,256	3,819,107	49,019	47,170	606,423	571,501
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	20,323	21,532	-5.6%	--	--	3,393	3,628	1,239	1,321	15,691	16,584
Petroleum Liquids (1000 barrels)	2,710	3,826	-29.2%	--	--	950	1,004	110	168	1,651	2,654
Petroleum Coke (1000 tons)	1,258	1,080	16.6%	--	--	113	112	11	6	1,134	962
Natural Gas (1000 Mcf)	904,930	839,681	7.8%	--	--	326,981	308,669	44,897	39,856	533,052	491,155
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	847,023	956,470	-11.4%	616,501	689,316	208,257	243,168	1,549	1,668	20,717	22,319
Petroleum Liquids (1000 barrels)	25,233	31,152	-19.0%	17,759	20,844	4,960	6,637	238	301	2,275	3,370
Petroleum Coke (1000 tons)	4,811	6,092	-21.0%	2,112	3,449	828	1,388	13	6	1,858	1,248
Natural Gas (1000 Mcf)	10,370,137	8,723,546	18.9%	4,115,509	3,446,087	5,021,237	4,127,777	93,916	87,026	1,139,475	1,062,657

Sales, Revenue, and Average Retail Price for January through December									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	Percentage Change
Residential	1,374,594	1,422,801	-3.4%	163,352	166,714	-2.0%	11.88	11.72	1.4%
Commercial	1,323,844	1,328,057	-0.3%	133,908	135,926	-1.5%	10.12	10.23	-1.1%
Industrial	980,837	991,316	-1.1%	65,691	67,606	-2.8%	6.70	6.82	-1.8%
Transportation	7,504	7,672	-2.2%	754	803	-6.0%	10.05	10.46	-3.9%
All Sectors	3,686,780	3,749,846	-1.7%	363,705	371,049	-2.0%	9.87	9.90	-0.3%

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

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

Total (All Sectors)

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal (1000 tons)	71,584	80,685	46.00	45.12	557	574	849,667	948,668	46.58	46.70
Petroleum Liquids (1000 barrels)	2,516	2,582	121.00	128.38	1,280	1,175	25,485	36,158	129.99	119.54
Petroleum Coke (1000 tons)	530	554	70.09	77.61	29	33	4,858	5,980	72.79	86.78
Natural Gas (1000 Mcf)	719,806	744,430	4.30	4.12	1,532	1,800	10,631,822	9,056,164	3.48	4.83

Electric Utilities

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal (1000 tons)	50,773	59,362	46.65	46.27	294	308	605,205	691,484	47.59	47.75
Petroleum Liquids (1000 barrels)	1,478	1,645	127.81	129.73	851	749	16,977	23,859	133.21	122.72
Petroleum Coke (1000 tons)	276	273	58.55	66.68	7	6	2,432	3,445	63.52	88.73
Natural Gas (1000 Mcf)	276,274	277,700	4.55	4.47	551	799	4,173,998	3,507,613	3.79	5.09

Independent Power Producers

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal (1000 tons)	19,006	19,221	42.70	39.64	126	127	222,814	233,295	42.17	41.95
Petroleum Liquids (1000 barrels)	616	589	113.42	131.11	218	236	4,914	7,096	129.62	119.01
Petroleum Coke (1000 tons)	85	123	W	W	6	12	926	1,175	90.22	72.85
Natural Gas (1000 Mcf)	318,558	344,934	4.21	3.95	528	546	5,037,420	4,158,617	3.30	4.72

Commercial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal (1000 tons)	135	145	54.39	60.55	22	22	1,470	1,686	58.14	62.24
Petroleum Liquids (1000 barrels)	NM	NM	NM	NM	90	72	335	325	128.81	118.66
Petroleum Coke (1000 tons)	NM	2	W	W	1	1	13	9	W	W
Natural Gas (1000 Mcf)	8,136	NM	4.89	4.70	123	130	98,515	93,306	4.00	5.31

Industrial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal (1000 tons)	1,669	1,957	63.09	62.90	115	117	20,178	22,204	63.83	62.86
Petroleum Liquids (1000 barrels)	NM	329	NM	116.55	121	118	3,259	4,878	113.89	104.83
Petroleum Coke (1000 tons)	167	156	W	W	15	14	1,487	1,351	W	W
Natural Gas (1000 Mcf)	116,838	112,652	3.95	3.76	330	325	1,321,890	1,296,628	3.10	4.40

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... A plant using more than one fuel may be counted multiple times.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, coal synfuel, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Petroleum Coke includeds petroleum coke and synthesis gas derived from petroleum coke.
Notes: Values for 2012 are preliminary. Values for 2011 are final. Mcf = thousand cubic feet.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

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

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal	1,383,049	1,552,493	2.38	2.34	557	574	16,459,166	18,528,101	2.40	2.39
Petroleum Liquids	14,738	15,253	20.65	21.73	1,280	1,175	151,815	216,752	21.82	19.94
Petroleum Coke	15,110	15,672	2.46	2.74	29	33	139,210	171,100	2.54	3.03
Natural Gas	736,884	760,258	4.20	4.04	1,532	1,800	10,872,094	9,250,652	3.40	4.72
Fossil Fuels	2,149,763	2,343,658	3.13	3.02	2,733	2,775	27,621,894	28,166,454	2.90	3.30

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal	988,646	1,158,628	2.40	2.37	294	308	11,862,008	13,723,817	2.43	2.41
Petroleum Liquids	8,798	9,729	21.47	21.94	851	749	101,765	144,255	22.22	20.30
Petroleum Coke	7,891	7,774	2.05	2.34	7	6	70,075	99,208	2.20	3.08
Natural Gas	281,232	282,188	4.47	4.40	551	799	4,256,764	3,571,348	3.72	5.00
Fossil Fuels	1,286,560	1,458,309	2.98	2.89	1,384	1,427	16,290,426	17,538,508	2.89	3.09

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal	356,038	349,148	2.28	2.18	126	127	4,137,034	4,292,284	2.27	2.28
Petroleum Liquids	3,456	3,457	20.20	22.35	218	236	28,606	41,599	22.26	20.30
Petroleum Coke	2,451	3,483	W	W	6	12	26,597	33,643	3.14	2.54
Natural Gas	327,475	353,160	4.09	3.86	528	546	5,160,058	4,252,040	3.22	4.62
Fossil Fuels	689,410	709,239	W	W	749	765	9,352,089	8,619,536	2.86	3.52

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal	2,795	3,061	2.63	2.87	22	22	30,706	35,892	2.78	2.92
Petroleum Liquids	NM	NM	NM	NM	90	72	1,985	1,959	21.71	19.67
Petroleum Coke	NM	44	W	W	1	1	363	268	W	W
Natural Gas	8,350	NM	4.77	4.61	123	130	100,769	95,287	3.91	5.20
Fossil Fuels	11,339	NM	W	W	183	170	133,823	133,406	W	W

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
Coal	35,570	41,657	2.96	2.96	115	117	429,418	476,108	3.00	2.93
Petroleum Liquids	NM	1,957	NM	19.58	121	118	19,460	28,939	19.08	17.67
Petroleum Coke	4,722	4,372	W	W	15	14	42,174	37,981	W	W
Natural Gas	119,827	115,575	3.85	3.67	330	325	1,354,503	1,331,977	3.03	4.28
Fossil Fuels	162,454	163,561	W	W	417	413	1,845,556	1,875,004	W	W

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

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

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

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

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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2012	7	57325	Eagle Rock Field Services LLP	Industrial	Woodall Gas Plant	TX	57952	GEN3	1.0	NG	IC
2012	7	49893	Invenergy Services LLC	IPP	Grand Ridge Solar Farm	IL	57912	1	20.0	SUN	PV
2012	7	57386	SunE CPS3 LLC	IPP	SunE CPS3 LLC	TX	58009	1	5.6	SUN	PV
2012	7	57386	SunE CPS3 LLC	IPP	SunE CPS3 LLC	TX	58009	2	5.0	SUN	PV
2012	7	19281	Turlock Irrigation District	Electric Utility	Almond Power Plant	CA	7315	2	50.0	NG	GT
2012	7	19281	Turlock Irrigation District	Electric Utility	Almond Power Plant	CA	7315	3	50.0	NG	GT
2012	7	19281	Turlock Irrigation District	Electric Utility	Almond Power Plant	CA	7315	4	50.0	NG	GT
2012	7	19876	Virginia Electric & Power Co	Electric Utility	Virginia City Hybrid Energy Center	VA	56808	1	585.0	BIT	ST
2012	7	57257	Wildcat Wind LLC	IPP	Wildcat Wind	NM	57887	1	27.3	WND	WT
2012	8	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	2A	27.5	WAT	HY
2012	8	56189	American Profol Incorporated	IPP	Alliant SBD 9203 Profol	IA	54719	6918	2.0	DFO	IC
2012	8	1307	Basin Electric Power Coop	Electric Utility	Deer Creek Station	SD	56610	1	150.0	NG	CA
2012	8	1307	Basin Electric Power Coop	Electric Utility	Deer Creek Station	SD	56610	2	150.0	NG	CT
2012	8	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV03	34.0	SUN	PV
2012	8	5906	EDF Renewable Services Inc	IPP	Pacific Wind LLC	CA	57757	1	151.7	WND	WT
2012	8	58208	Horse Butte Wind I, LLC	Electric Utility	Horse Butte Wind I, LLC	ID	57890	1	57.6	WND	WT
2012	8	57389	IKEA Property Inc	Commercial	IKEA Tampa 042	FL	58012	PV	1.0	SUN	PV
2012	8	56967	Ironwood Windpower LLC	IPP	Ironwood Wind	KS	57639	1	167.9	WND	WT
2012	8	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	6	8.0	SUN	PV
2012	8	56545	Pattern Operators LP	IPP	Spring Valley Wind Project	NV	57192	WTG	150.0	WND	WT
2012	8	57273	SS San Antonio West LLC	IPP	San Antonio West Solar Rooftop	CA	57904	CHNO	1.5	SUN	PV
2012	9	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	1A	27.5	WAT	HY
2012	9	2287	City of Brooklyn - (IA)	Electric Utility	Brooklyn	IA	1128	7	2.0	DFO	IC
2012	9	6192	City of Farmer City - (IL)	Electric Utility	Farmer City	IL	941	6	2.0	DFO	IC
2012	9	6192	City of Farmer City - (IL)	Electric Utility	Farmer City	IL	941	7	2.0	DFO	IC
2012	9	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV02	30.0	SUN	PV
2012	9	56627	DeWind Co.	IPP	DeWind Novus	OK	57516	NOVUS	80.0	WND	WT
2012	9	56215	E ON Climate Renewables N America Inc	IPP	Magic Valley Wind Farm I LLC	TX	57802	MV1	203.0	WND	WT
2012	9	5906	EDF Renewable Services Inc	IPP	Spinning Spur Wind LLC	TX	57973	GEN1	161.0	WND	WT
2012	9	57476	Foundation CA Fund VI Manager LLC		Foundation Wal-Mart Red Bluff	CA	58105	WTG1	1.0	WND	WT
2012	9	57480	Heritage Garden Wind Farm I LLC		Heritage Garden Wind Farm I LLC	MI	58103	1	28.0	WND	WT
2012	9	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2A	21.0	SUN	PV
2012	9	57389	IKEA Property Inc	Commercial	IKEA Round Rock 027	TX	58013	PV	1.3	SUN	PV
2012	9	57389	IKEA Property Inc	Commercial	IKEA Savannah 490	GA	58011	PV	1.2	SUN	PV
2012	9	57053	Laurel Wind Energy LLC	IPP	Laurel Hill Wind	PA	57744	1	69.0	WND	WT
2012	9	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	7	16.0	SUN	PV
2012	9	12341	MidAmerican Energy Co	Electric Utility	Eclipse Wind Farm	IA	57873	EWF	200.0	WND	WT
2012	9	57002	Post Rock Wind Power Project, LLC	IPP	Post Rock Wind Power Project, LLC	KS	57678	1	201.0	WND	WT
2012	9	57177	SEAI Elk Grove LLC	IPP	Green Acres Solar Facility 1	CA	57849	GASF1	3.0	SUN	PV
2012	9	57177	SEAI Elk Grove LLC	IPP	Green Acres Solar Facility 2	CA	57850	GASF2	1.0	SUN	PV
2012	9	27075	San Diego County Water Auth	Electric Utility	Lake Hodges Hydroelectric Facility	CA	57729	1	21.0	WAT	PS
2012	9	27075	San Diego County Water Auth	Electric Utility	Lake Hodges Hydroelectric Facility	CA	57729	2	21.0	WAT	PS
2012	9	57395	Shooting Star Wind Project LLC	IPP	Shooting Star Wind Project LLC	KS	58018	1	104.0	WND	WT
2012	9	57073	Solar Star California XV, LLC	Commercial	Naval Air Weapons Station China Lake	CA	57764	1	11.1	SUN	PV
2012	9	54842	WM Renewable Energy LLC	IPP	Northwest Regional	AZ	57403	GEN1	1.6	LFG	IC
2012	9	54842	WM Renewable Energy LLC	IPP	Northwest Regional	AZ	57403	GEN2	1.6	LFG	IC
2012	10	55963	AE Power Services LLC	IPP	Flat Ridge 2 Wind Energy LLC	KS	57787	1	470.2	WND	WT
2012	10	221	Alaska Village Elec Coop, Inc	Electric Utility	Emmonak	AK	6314	2A	0.5	DFO	IC
2012	10	57150	Bethel Wind Energy LLC	IPP	Hawkeye Wind Farm	IA	57832	NORD	36.0	WND	WT
2012	10	56146	Black Hills/Colorado Elec.Util	IPP	Busch Ranch Wind Energy Farm	CO	57980	WTG	11.0	WND	WT
2012	10	56342	Blue Sky East LLC	IPP	Bull Hill Wind Project	ME	57083	1	34.5	WND	WT
2012	10	56769	Consolidated Edison Development Inc.	IPP	PA Solar Park	PA	57256	1	10.0	SUN	PV
2012	10	56769	Consolidated Edison Development Inc.	IPP	Shrewsbury Solar	MA	57990	SSMA	2.5	SUN	PV
2012	10	49981	Diamond Generating Corporation	IPP	Mariposa Energy Project	CA	57483	CTG1	49.9	NG	GT
2012	10	49981	Diamond Generating Corporation	IPP	Mariposa Energy Project	CA	57483	CTG2	49.9	NG	GT
2012	10	49981	Diamond Generating Corporation	IPP	Mariposa Energy Project	CA	57483	CTG3	49.9	NG	GT
2012	10	49981	Diamond Generating Corporation	IPP	Mariposa Energy Project	CA	57483	CTG4	49.9	NG	GT
2012	10	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	6	375.0	NG	CA
2012	10	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	6ACT	232.5	NG	CT
2012	10	7140	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	6BCT	232.5	NG	CT
2012	10	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	30	65.9	NG	CA
2012	10	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	31	43.2	NG	CT
2012	10	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	32	43.2	NG	CT
2012	10	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	10	12.0	SUN	PV
2012	10	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	11	16.0	SUN	PV
2012	10	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	8	12.0	SUN	PV
2012	10	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	9	16.0	SUN	PV
2012	10	12341	MidAmerican Energy Co	Electric Utility	Morning Light Wind Farm	IA	57875	MLWF	101.0	WND	WT
2012	10	57493	MidAmerican Renewables LLC		Bishop Hill II Wind Farm	IL	58111	1	81.0	WND	WT
2012	10	56990	NJR Clean Energy Ventures Corporation	IPP	Reeves Station Rd East	NJ	58030	REEVE	5.5	SUN	PV
2012	10	55723	PPL Renewable Energy LLC	IPP	Allenwood	PA	57581	1	1.6	LFG	IC
2012	10	55723	PPL Renewable Energy LLC	IPP	Allenwood	PA	57581	2	1.6	LFG	IC
2012	10	55723	PPL Renewable Energy LLC	IPP	Lycoming County	PA	57582	1	1.5	LFG	IC
2012	10	55723	PPL Renewable Energy LLC	IPP	Lycoming County	PA	57582	2	1.5	LFG	IC
2012	10	15726	Rayonier Performance Fibers, LLC	Industrial	Rayonier Fernandina Mill	FL	10562	GEN5	21.0	WDL	ST
2012	10	57149	Rippey Wind Energy LLC	IPP	Rippey Wind Farm	IA	57830	NORD	50.0	WND	WT
2012	10	57219	Siete Solar LLC	IPP	Queen Creek Solar Farm	AZ	57883	GEN1	18.6	SUN	PV
2012	10	54842	WM Renewable Energy LLC	IPP	Prairie Bluff	MS	57408	GEN1	1.6	LFG	IC
2012	11	306	Alcoa Power Generating Inc Tapoco Div	Electric Utility	Cheoah	NC	54899	4A	27.5	WAT	HY
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G1	6.8	LFG	CT
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G2	6.8	LFG	CT
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G3	6.8	LFG	CT
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G4	6.8	LFG	CT
2012	11	57384	Brea Power II	IPP	Brea Expansion Plant	CA	58007	G5	10.0	LFG	CA
2012	11	58143	Cimarron Wind Energy LLC	IPP	Cimarron Wind Energy LLC	KS	57762	CPV1	165.6	WND	WT
2012	11	18277	City of Sullivan - (IL)	Electric Utility	Sullivan	IL	969	13	2.3	DFO	IC
2012	11	18277	City of Sullivan - (IL)	Electric Utility	Sullivan	IL	969	14	2.3	DFO	IC
2012	11	18277	City of Sullivan - (IL)	Electric Utility	Sullivan	IL	969	15	2.3	DFO	IC

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

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

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Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2012	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Dan River	NC	2723	ST7	290.0	NG	CA
2012	12	56272	Duke Energy DEGS Notrees	IPP	Notrees Windpower	TX	56961	BATT	36.0	MWH	BA
2012	12	56215	E ON Climate Renewables N America Inc	IPP	Anacacho Wind Farm, LLC	TX	58000	ANA	99.8	WND	WT
2012	12	56215	E ON Climate Renewables N America Inc	IPP	Wildcat Wind Farm I, LLC	IN	57862	1	200.0	WND	WT
2012	12	5906	EDF Renewable Services Inc	IPP	Bobcat Bluff Wind Project LLC	TX	57974	GEN1	150.0	WND	WT
2012	12	5906	EDF Renewable Services Inc	IPP	Catalina Solar LLC	CA	57708	INV	110.0	SUN	PV
2012	12	5906	EDF Renewable Services Inc	IPP	Shiloh IV Wind Project LLC	CA	57725	1	101.3	WND	WT
2012	12	5906	EDF Renewable Services Inc	IPP	Spearville 3 LLC	KS	57975	GEN1	108.0	WND	WT
2012	12	34505	Edison Mission Energy	IPP	Broken Bow Wind LLC	NE	57593	1	79.9	WND	WT
2012	12	49932	Enel North America, Inc.	IPP	Prairie Rose Wind Farm	MN	57644	PR1	200.0	WND	WT
2012	12	58150	Fagen Inc.	IPP	Big Blue	MN	57289	BBWP	36.0	WND	WT
2012	12	56615	First Solar Energy LLC	IPP	Agua Caliente Solar Project	AZ	57373	AGU2	136.0	SUN	PV
2012	12	57484	Foundation CA Fund V Manager, LLC		Foundation NWNA	CA	58114	WTG1	1.6	WND	WT
2012	12	57484	Foundation CA Fund V Manager, LLC		Foundation NWNA	CA	58114	WTG2	1.6	WND	WT
2012	12	57484	Foundation CA Fund V Manager, LLC		Foundation RRM	CA	58113	WTG1	1.0	WND	WT
2012	12	57484	Foundation CA Fund V Manager, LLC		Foundation RRM	CA	58113	WTG2	1.0	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Cemex BMQ	CA	58102	WTG1	1.5	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Cemex BMQ	CA	58102	WTG2	1.5	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Cemex River Plant	CA	58101	WTG1	1.6	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Cemex River Plant	CA	58101	WTG2	1.6	WND	WT
2012	12	57476	Foundation CA Fund VI Manager LLC		Foundation Superior Farms	CA	58104	WTG1	1.0	WND	WT
2012	12	57171	Franklin County Wind LLC	IPP	Franklin County Wind Farm	IA	57844	1	99.0	WND	WT
2012	12	57354	Gestamp Asetym Solar North America		La Joya Del Sol	CA	58118	JDS1	1.5	SUN	PV
2012	12	57354	Gestamp Asetym Solar North America		SVEP Solar Project Company	VT	58144	SVEP1	2.0	SUN	PV
2012	12	57354	Gestamp Asetym Solar North America		Williamstown Solar	VT	58145	WTS_1	2.0	SUN	PV
2012	12	57396	High Mesa Energy LLC	IPP	High Mesa Energy LLC	ID	58019	1	40.0	WND	WT
2012	12	15399	Iberdrola Renewables Inc		Groton Wind LLC	NH	58141	1	48.0	WND	WT
2012	12	15399	Iberdrola Renewables Inc	IPP	Manzana Wind LLC	CA	57484	GEN1	189.0	WND	WT
2012	12	15399	Iberdrola Renewables Inc	IPP	New England Wind LLC	MA	57380	1	28.5	WND	WT
2012	12	49893	Invenergy Services LLC	IPP	California Ridge Wind Energy LLC	IL	58008	CR	200.0	WND	WT
2012	12	57410	K Road Modesto Solar LLC	IPP	K Road Modesto Solar	CA	58039	1	25.0	SUN	PV
2012	12	57183	Kiara Solar Inc	Electric CHP	Kiara Anderson Plant	CA	57857	1	6.8	WDS	ST
2012	12	57063	Los Vientos Wind 1A, LLC	IPP	Los Vientos Wind 1A	TX	57751	1	200.0	WND	WT
2012	12	57064	Los Vientos Wind 1B, LLC	IPP	Los Vientos Wind 1B	TX	57752	1	201.6	WND	WT
2012	12	57030	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	12	16.0	SUN	PV
2012	12	58193	Minonk Wind Energy LLC	IPP	Minonk Wind Farm	IL	57284	1	192.3	WND	WT
2012	12	57333	Musselshell Wind Project LLC	IPP	Musselshell Wind Project	MT	57963	MWP1	10.0	WND	WT
2012	12	57338	Musselshell Wind Project Two LLC	IPP	Musselshell Wind Project Two LLC	MT	57965	MWP2	10.0	WND	WT
2012	12	56990	NJR Clean Energy Ventures Corporation		Wakefern Food Corp	NJ	58123	1	2.0	SUN	PV
2012	12	57370	NaturEner Rim Rock Energy LLC	IPP	NaturEner Rim Rock Energy	MT	57995	RR	180.0	WND	WT
2012	12	58121	North Sky River Energy LLC		North Sky River Energy LLC	CA	58154	GEN1	162.0	WND	WT
2012	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	2A	122.0	WAT	HY
2012	12	56869	Palouse Wind LLC	IPP	Palouse	WA	57530	1	105.3	WND	WT
2012	12	56545	Pattern Operators LP	IPP	Ocotillo Express LLC	CA	57514	WTG	265.4	WND	WT
2012	12	57374	Patton Wind LLC	IPP	Patton Wind Farm	PA	57999	1	61.5	WND	WT
2012	12	57075	Ridgeline Energy LLC		Meadow Creek Project Company	ID	58106	MCPC	115.8	WND	WT
2012	12	58192	Senate Wind Energy LLC	IPP	Senate Wind LLC	TX	57981	GEN1	150.0	WND	WT
2012	12	57390	Siemens Government Technologies Inc	IPP	WSMR I	NM	58010	WSMR1	3.7	SUN	PV
2012	12	57390	Siemens Government Technologies Inc	IPP	WSMR I	NM	58010	WSMR2	0.4	SUN	PV
2012	12	17650	Southern Power Co	IPP	Cleveland Cnty Generating Facility	NC	57029	1	180.0	NG	GT
2012	12	17650	Southern Power Co	IPP	Cleveland Cnty Generating Facility	NC	57029	2	180.0	NG	GT
2012	12	17650	Southern Power Co	IPP	Cleveland Cnty Generating Facility	NC	57029	3	180.0	NG	GT
2012	12	17650	Southern Power Co	IPP	Cleveland Cnty Generating Facility	NC	57029	4	180.0	NG	GT
2012	12	17698	Southwestern Electric Power Co	Electric Utility	John W Turk Jr Power Plant	AR	56564	1	609.0	SUB	ST
2012	12	50147	US Geothermal Inc.	IPP	Neal Hot Springs Geothermal Project	OR	58022	NHS3	5.9	GEO	BT
2012	12	24008	University of Oregon		Univ of Oregon Central Power Station	OR	54950	CTG1	8.5	NG	CT
2012	12	24008	University of Oregon		Univ of Oregon Central Power Station	OR	54950	STG1	2.5	NG	CA
2012	12	58088	Washington White Post Solar LLC		Washington White Post Solar LLC	NC	58135	1	12.4	SUN	PV
2012	12	57398	Whitetail Wind Energy LLC	IPP	Whitetail Wind Energy LLC	TX	58021	1	92.0	WND	WT
2012	12	57417	Zephyr Wind LLC		Community Wind South	MN	58045	GEN1	30.0	WND	WT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	1	39.8	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	2	39.8	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	3	39.8	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	4	50.3	NG	CA
2013	1	56615	First Solar Energy LLC	IPP	Avra Valley Solar	AZ	57657	1	25.0	SUN	PV
2013	1	7353	Golden Valley Elec Assn Inc	IPP	Eva Creek Wind	AK	57935	EVW	24.0	WND	WT
2013	1	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	3	2.1	DFO	IC
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2B	86.5	SUN	PV
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2D	40.0	SUN	PV
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN1	1.6	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN2	1.6	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN3	1.6	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN4	1.6	LFG	IC
2013	1	56748	RP1 Fuel Cell LLC	Electric CHP	RPI Fuel Cell LLC	CA	57419	1	2.8	OBG	FC
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind IX	CA	57837	AW09	150.0	WND	WT
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind VII	CA	57834	AW07	150.0	WND	WT
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN1	0.8	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN2	0.8	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN3	0.8	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN4	0.8	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN5	0.8	LFG	IC
2013	1	20323	Wellhead Services Inc		Wellhead Power Delano LLC	CA	58122	GEN1	35.0	NG	GT

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

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

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

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

Summary Capacity Statistics

	Net Summer Capacity (Megawatts)
Total Capacity of New Units Shown	25,831.9
Total Capacity of Retired Units Shown	10,151.6
U.S. Capacity	1,066,931.3

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

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

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

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

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

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

Summary Capacity Statistics

	Net Summer Capacity (Megawatts)
Total Capacity of New Units Shown	25,831.9
Total Capacity of Retired Units Shown	10,151.6
U.S. Capacity	1,066,931.3

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

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2002	1,933,130	78,701	15,867	691,006	11,463	780,064	264,329	79,109	-8,743	13,527	3,858,452
2003	1,973,737	102,734	16,672	649,908	15,600	763,733	275,806	79,487	-8,535	14,045	3,883,185
2004	1,978,301	100,391	20,754	710,100	15,252	788,528	268,417	83,067	-8,488	14,232	3,970,555
2005	2,012,873	99,840	22,385	760,960	13,464	781,986	270,321	87,329	-6,558	12,821	4,055,423
2006	1,990,511	44,460	19,706	816,441	14,177	787,219	289,246	96,525	-6,558	12,974	4,064,702
2007	2,016,456	49,505	16,234	896,590	13,453	806,425	247,510	105,238	-6,896	12,231	4,156,745
2008	1,985,801	31,917	14,325	882,981	11,707	806,208	254,831	126,101	-6,288	11,804	4,119,388
2009	1,755,904	25,972	12,964	920,979	10,632	798,855	273,445	144,279	-4,627	11,928	3,950,331
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	167,173	-5,501	12,855	4,125,060
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	193,981	-5,905	14,154	4,100,656
2012	1,517,203	13,209	9,691	1,230,708	11,212	769,331	276,535	218,787	-4,658	12,466	4,054,485
2010											
January	173,320	3,187	1,161	74,173	909	72,569	22,383	12,805	-565	1,014	360,957
February	153,044	1,251	1,122	66,198	825	65,245	20,590	10,901	-351	909	319,735
March	144,406	1,272	1,198	63,431	1,010	64,635	20,886	14,654	-325	1,002	312,168
April	126,952	1,220	1,067	64,644	943	57,611	19,097	15,607	-335	996	287,800
May	143,272	1,851	1,143	73,665	1,017	66,658	25,079	14,631	-441	1,060	327,936
June	165,491	2,656	1,333	92,268	964	68,301	29,854	14,209	-472	1,153	375,759
July	179,600	2,970	1,441	114,624	963	71,913	24,517	13,107	-557	1,146	409,725
August	177,745	2,419	1,157	121,151	1,061	71,574	20,119	13,100	-600	1,158	408,884
Sept	148,746	1,675	1,108	93,004	954	69,371	17,265	13,227	-421	1,116	346,045
October	132,270	1,221	1,007	77,738	808	62,751	17,683	13,791	-438	1,090	307,921
November	135,185	1,220	860	69,227	907	62,655	19,562	15,782	-467	1,079	306,010
December	167,258	2,395	1,128	77,573	952	73,683	23,169	15,359	-530	1,131	362,119
2011											
January	170,803	1,902	1,555	74,254	930	72,743	25,531	14,742	-426	1,071	363,105
February	138,311	1,217	1,217	65,924	807	64,789	24,131	16,116	-247	1,027	313,293
March	134,845	1,276	1,416	65,947	945	65,662	31,134	16,650	-349	1,182	318,710
April	124,488	1,459	965	70,029	918	54,547	31,194	18,125	-466	1,141	302,400
May	137,102	1,356	1,023	75,243	875	57,013	32,587	17,638	-418	1,210	323,627
June	158,055	1,374	1,220	90,691	1,013	65,270	32,151	17,284	-567	1,236	367,727
July	176,586	1,714	1,440	119,624	1,098	72,345	31,285	14,000	-708	1,309	418,693
August	171,281	1,295	1,299	119,856	1,087	71,339	25,764	14,054	-663	1,230	406,541
Sept	140,941	1,119	1,305	91,739	1,004	66,849	21,378	13,048	-553	1,132	337,961
October	126,627	1,114	948	78,819	941	63,337	19,787	16,550	-572	1,176	308,727
November	121,463	1,082	701	75,441	943	64,474	20,681	18,589	-441	1,187	304,119
December	132,929	1,178	1,007	86,122	1,005	71,837	23,732	17,185	-496	1,254	335,753
2012											
January	129,115	1,143	1,301	91,641	980	72,381	23,359	20,302	-330	1,027	340,919
February	113,908	917	1,009	91,091	1,005	63,847	20,361	17,303	-226	937	310,151
March	105,546	947	614	92,503	1,010	61,729	25,770	20,160	-268	1,031	309,040
April	96,466	1,030	534	95,346	980	55,871	26,136	18,828	-242	991	295,940
May	116,345	1,081	647	107,927	969	62,081	28,542	19,216	-343	1,066	337,530
June	131,569	1,317	739	116,015	945	65,140	26,611	18,631	-475	1,014	361,506
July	160,938	1,517	772	140,202	968	69,129	26,758	15,731	-587	1,087	416,515
August	152,743	1,191	881	131,828	1,024	69,602	23,146	15,125	-496	1,063	396,108
Sept	125,767	985	879	108,206	893	64,511	17,562	15,291	-401	1,042	334,735
October	121,587	1,132	729	92,141	820	59,743	16,207	19,091	-351	1,057	312,157
November	128,992	976	803	79,707	759	56,713	18,834	18,106	-390	1,049	305,548
December	134,230	973	784	84,103	858	68,584	23,248	21,004	-549	1,101	334,335
Year to Date											
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	167,173	-5,501	12,855	4,125,060
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	193,981	-5,905	14,154	4,100,656
2012	1,517,203	13,209	9,691	1,230,708	11,212	769,331	276,535	218,787	-4,658	12,466	4,054,485
Rolling 12 Months Ending in December											
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	193,981	-5,905	14,154	4,100,656
2012	1,517,203	13,209	9,691	1,230,708	11,212	769,331	276,535	218,787	-4,658	12,466	4,054,485

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

Table 1.1.A. Net Generation by Other Renewable Sources: Total (All Sectors), 2002-December 2012

(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels	Geothermal	Other Biomass	Total (Other Renewable Sources)
Annual Totals						
2002	10,354	555	38,665	14,491	15,044	79,109
2003	11,187	534	37,529	14,424	15,812	79,487
2004	14,144	575	38,117	14,811	15,421	83,067
2005	17,811	550	38,856	14,692	15,420	87,329
2006	26,589	508	38,762	14,568	16,099	96,525
2007	34,450	612	39,014	14,637	16,525	105,238
2008	55,363	864	37,300	14,840	17,734	126,101
2009	73,886	891	36,050	15,009	18,443	144,279
2010	94,652	1,212	37,172	15,219	18,917	167,173
2011	120,177	1,818	37,449	15,316	19,222	193,981
2012	140,089	4,342	37,540	16,791	20,025	218,787
2010						
January	6,854	10	3,126	1,312	1,503	12,805
February	5,432	33	2,895	1,159	1,382	10,901
March	8,589	76	3,090	1,307	1,592	14,654
April	9,764	112	2,932	1,240	1,558	15,607
May	8,698	153	2,893	1,311	1,577	14,631
June	8,049	176	3,094	1,264	1,627	14,209
July	6,724	161	3,308	1,274	1,640	13,107
August	6,686	156	3,319	1,297	1,642	13,100
Sept	7,106	138	3,157	1,253	1,575	13,227
October	7,944	75	3,003	1,222	1,547	13,791
November	9,748	77	3,080	1,252	1,625	15,782
December	9,059	44	3,275	1,330	1,650	15,359
2011						
January	8,550	40	3,290	1,347	1,515	14,742
February	10,452	85	2,937	1,215	1,427	16,116
March	10,545	122	3,081	1,337	1,565	16,650
April	12,422	164	2,798	1,239	1,503	18,125
May	11,772	191	2,794	1,318	1,563	17,638
June	10,985	223	3,230	1,215	1,632	17,284
July	7,489	191	3,362	1,269	1,690	14,000
August	7,474	229	3,384	1,275	1,692	14,054
Sept	6,869	186	3,178	1,226	1,589	13,048
October	10,525	159	2,954	1,281	1,631	16,550
November	12,439	107	3,088	1,271	1,684	18,589
December	10,656	121	3,353	1,324	1,731	17,185
2012						
January	13,806	86	3,366	1,415	1,629	20,302
February	11,164	137	3,126	1,339	1,537	17,303
March	13,897	249	2,938	1,413	1,663	20,160
April	12,812	346	2,666	1,335	1,668	18,828
May	12,573	511	2,997	1,422	1,713	19,216
June	11,944	561	3,060	1,380	1,687	18,631
July	8,724	522	3,296	1,421	1,769	15,731
August	8,287	464	3,311	1,388	1,676	15,125
Sept	8,680	462	3,143	1,377	1,628	15,291
October	12,514	431	3,073	1,413	1,660	19,091
November	11,513	314	3,216	1,429	1,633	18,106
December	14,175	258	3,350	1,459	1,762	21,004
Year to Date						
2010	94,652	1,212	37,172	15,219	18,917	167,173
2011	120,177	1,818	37,449	15,316	19,222	193,981
2012	140,089	4,342	37,540	16,791	20,025	218,787
Rolling 12-Month Ending in December						
2011	120,177	1,818	37,449	15,316	19,222	193,981
2012	140,089	4,342	37,540	16,791	20,025	218,787

Wood and Wood-derived fuels include wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.
Other Biomass includes Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. - Totals may not equal sum of components because of independent rounding.Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.2. Net Generation by Energy Source: Electric Utilities, 2002-December 2012

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2002	1,514,670	52,838	6,286	229,639	206	507,380	242,302	3,089	-7,434	480	2,549,457
2003	1,500,281	62,774	7,156	186,967	243	458,829	249,622	3,421	-7,532	519	2,462,281
2004	1,513,641	62,196	11,498	199,662	374	475,682	245,546	3,692	-7,526	467	2,505,231
2005	1,484,855	58,572	11,150	238,204	10	436,296	245,553	4,945	-5,383	643	2,474,846
2006	1,471,421	31,269	9,634	282,088	30	425,341	261,864	6,588	-5,281	700	2,483,656
2007	1,490,985	33,325	7,395	313,785	141	427,555	226,734	8,953	-5,328	586	2,504,131
2008	1,466,395	22,206	5,918	320,190	46	424,256	229,645	11,308	-5,143	545	2,475,367
2009	1,322,092	18,035	7,182	349,166	96	417,275	247,198	14,617	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	21,933	-5,298	604	2,461,045
2012	1,147,861	9,990	5,680	507,801	10	394,823	253,304	27,830	-3,911	397	2,343,786
2010											
January	129,279	2,418	736	29,332	6	39,345	20,298	1,338	-427	36	222,362
February	113,856	890	696	25,880	6	34,945	18,752	1,087	-246	29	195,895
March	107,626	1,009	816	25,683	6	33,460	18,546	1,540	-232	37	188,491
April	95,791	923	675	25,721	5	30,946	16,812	1,777	-245	36	172,441
May	108,550	1,443	690	30,549	6	34,506	22,803	1,602	-356	42	199,835
June	124,451	2,132	837	36,530	6	35,835	27,661	1,449	-392	42	228,551
July	134,219	1,986	910	44,597	5	38,536	22,611	1,331	-474	34	243,756
August	132,743	1,785	758	47,474	5	38,021	18,465	1,431	-543	46	240,185
Sept	110,642	1,207	803	36,692	2	37,188	15,854	1,441	-353	45	203,521
October	97,612	877	645	31,613	1	31,226	15,718	1,542	-361	43	178,917
November	99,803	835	511	27,567	1	32,112	17,612	1,778	-397	34	179,858
December	123,456	1,752	730	30,978	2	38,722	20,970	1,610	-439	39	217,820
2011											
January	126,539	1,210	1,082	29,515	1	37,742	23,602	1,713	-500	46	220,951
February	103,607	888	818	25,456	1	34,119	22,187	1,905	-304	49	188,727
March	102,328	982	922	26,612	1	34,201	28,401	1,930	-277	49	195,148
April	93,647	1,178	600	29,154	1	28,964	28,280	2,098	-404	50	183,567
May	104,296	1,062	655	31,372	7	28,502	29,436	1,975	-367	55	196,993
June	119,780	976	831	38,311	6	34,635	29,631	1,795	-491	60	225,535
July	133,078	1,110	983	49,479	1	38,444	29,180	1,428	-612	51	253,142
August	128,915	924	908	49,617	1	37,435	23,866	1,418	-569	55	242,570
Sept	105,127	819	945	37,391	2	34,639	19,289	1,383	-470	48	199,174
October	94,046	837	618	33,218	1	33,558	17,509	2,041	-488	46	181,388
November	90,103	822	399	30,532	4	34,107	18,732	2,168	-381	45	176,532
December	99,641	879	667	34,186	3	38,952	21,300	2,079	-437	49	197,318
2012											
January	96,778	850	843	37,033	NM	38,270	20,934	2,660	-283	40	197,126
February	86,532	711	658	35,265	NM	33,117	18,322	2,127	-191	34	176,574
March	80,602	768	256	36,938	NM	30,601	23,356	2,699	-197	27	175,049
April	75,189	814	293	38,919	NM	27,884	24,033	2,390	-227	27	169,322
May	87,977	814	380	45,922	NM	31,384	26,152	2,622	-264	32	195,022
June	100,067	945	473	48,949	NM	34,052	24,683	2,416	-397	40	211,229
July	121,198	1,134	467	58,989	NM	35,999	25,094	1,798	-498	30	244,213
August	115,324	907	477	54,268	NM	36,149	21,621	1,803	-411	41	230,180
Sept	95,104	746	536	44,686	NM	33,384	16,234	1,806	-338	42	192,200
October	91,264	853	409	38,530	NM	31,289	14,704	2,465	-295	30	179,250
November	96,346	712	454	32,760	NM	29,038	17,001	2,456	-338	28	178,459
December	101,480	737	434	35,541	NM	33,656	21,171	2,590	-472	26	195,163
Year to Date											
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	21,933	-5,298	604	2,461,045
2012	1,147,861	9,990	5,680	507,801	10	394,823	253,304	27,830	-3,911	397	2,343,786
Rolling 12 Months Ending in December											
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	21,933	-5,298	604	2,461,045
2012	1,147,861	9,990	5,680	507,801	NM	394,823	253,304	27,830	-3,911	397	2,343,786

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

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2002	395,943	22,241	8,368	378,044	1,763	272,684	18,189	44,466	-1,309	8,612	1,149,001
2003	452,433	35,818	7,949	380,337	2,404	304,904	21,890	46,060	-1,003	8,088	1,258,879
2004	443,547	33,574	7,410	427,510	3,194	312,846	19,518	48,636	-962	7,856	1,303,129
2005	507,199	37,096	9,664	445,625	3,767	345,690	21,486	51,708	-1,174	6,285	1,427,346
2006	498,316	10,396	8,409	452,329	4,223	361,877	24,390	59,345	-1,277	6,412	1,424,421
2007	507,406	13,645	6,942	500,967	3,901	378,869	19,109	65,751	-1,569	6,191	1,501,212
2008	502,442	8,021	6,737	482,182	3,154	381,952	23,451	85,776	-1,145	6,414	1,498,982
2009	419,031	6,306	4,288	491,839	2,962	381,579	24,308	101,860	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	141,954	-607	7,059	1,487,657
2012	354,870	2,628	1,823	630,271	2,708	374,509	21,340	160,308	-746	7,205	1,554,916
2010											
January	42,381	655	302	37,515	269	33,224	1,909	9,142	-138	507	125,766
February	37,605	266	314	33,676	241	30,300	1,669	7,669	-105	463	112,099
March	35,039	192	281	30,809	269	31,174	2,145	10,760	-93	502	111,080
April	29,824	228	283	32,403	268	26,666	2,087	11,509	-91	505	103,681
May	33,119	333	335	36,313	273	32,152	2,100	10,747	-84	533	115,821
June	39,461	459	364	48,503	259	32,466	2,050	10,402	-80	550	134,434
July	43,559	900	403	62,363	262	33,377	1,794	9,305	-83	558	152,439
August	43,105	568	265	65,487	244	33,553	1,554	9,193	-57	553	154,465
Sept	36,515	401	197	48,806	238	32,183	1,334	9,391	-68	540	129,537
October	33,051	267	248	39,263	169	31,525	1,843	9,914	-77	527	116,729
November	34,012	310	224	34,738	218	30,543	1,813	11,642	-70	545	113,975
December	42,038	540	280	38,897	205	34,962	2,054	11,282	-91	562	130,729
2011											
January	42,852	588	349	37,417	242	35,000	1,785	10,446	74	530	129,282
February	33,475	252	298	33,924	206	30,670	1,782	11,904	58	503	113,071
March	31,255	229	393	32,750	251	31,461	2,544	12,260	-72	589	111,660
April	29,625	221	258	34,103	243	25,583	2,728	13,669	-63	584	106,952
May	31,525	242	259	36,802	235	28,511	2,950	13,346	-51	590	114,409
June	36,936	347	284	45,115	253	30,635	2,367	12,911	-76	621	129,393
July	42,051	554	358	62,024	261	33,901	1,993	9,969	-96	645	151,659
August	40,884	320	298	61,922	263	33,903	1,800	9,991	-94	614	149,901
Sept	34,521	246	261	46,908	251	32,210	1,965	9,121	-83	569	125,969
October	31,395	213	225	38,745	239	29,779	2,150	12,071	-84	582	115,317
November	30,220	204	207	37,730	224	30,367	1,801	13,840	-60	593	115,124
December	32,045	238	241	44,007	244	32,885	2,252	12,425	-59	639	124,919
2012											
January	31,078	233	218	46,786	236	34,111	2,247	14,938	-47	599	130,400
February	26,244	156	202	48,365	232	30,730	1,879	12,643	-35	553	120,970
March	23,777	138	197	48,374	240	31,128	2,225	15,066	-71	614	121,687
April	20,214	152	86	49,438	233	27,987	1,940	14,121	-15	598	114,753
May	27,235	227	120	54,289	225	30,697	2,204	14,086	-80	617	129,622
June	30,303	314	110	59,307	227	31,088	1,793	13,727	-78	605	137,397
July	38,318	335	135	72,767	236	33,130	1,552	11,304	-89	631	158,319
August	36,049	242	187	69,526	243	33,453	1,424	10,712	-84	591	152,343
Sept	29,481	194	150	55,995	224	31,126	1,233	10,933	-62	587	129,861
October	29,128	218	155	46,044	206	28,455	1,393	14,061	-55	590	120,193
November	31,489	225	130	39,190	182	27,674	1,594	13,027	-52	593	114,053
December	31,555	195	133	40,190	224	34,928	1,855	15,690	-77	628	125,319
Year to Date											
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	141,954	-607	7,059	1,487,657
2012	354,870	2,628	1,823	630,271	2,708	374,509	21,340	160,308	-746	7,205	1,554,916
Rolling 12 Months Ending in December											
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	141,954	-607	7,059	1,487,657
2012	354,870	2,628	1,823	630,271	2,708	374,509	21,340	160,308	-746	7,205	1,554,916

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data. *=value less than half of smallest unit of measure.
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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: Commerical Sector, 2002-December 2012

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2002	992	426	6	4,310	*	--	13	1,065	--	603	7,415
2003	1,206	416	8	3,899	--	--	72	1,302	--	594	7,496
2004	1,340	493	7	3,969	--	--	105	1,575	--	781	8,270
2005	1,353	368	7	4,249	--	--	86	1,673	--	756	8,492
2006	1,310	228	7	4,355	*	--	93	1,619	--	758	8,371
2007	1,371	180	9	4,257	--	--	77	1,614	--	764	8,273
2008	1,261	136	6	4,188	--	--	60	1,555	--	720	7,926
2009	1,096	157	5	4,225	--	--	71	1,769	--	842	8,165
2010	1,111	117	7	4,725	3	--	80	1,714	--	834	8,592
2011	1,049	86	3	5,487	3	--	26	2,476	--	950	10,080
2012	837	84	6	5,870	NM	--	NM	2,746	--	1,036	10,621
2010											
January	116	12	1	367	*	--	6	140	--	66	709
February	102	10	1	339	*	--	6	114	--	51	623
March	91	7	1	351	*	--	7	137	--	66	661
April	80	8	1	326	*	--	11	147	--	73	645
May	84	12	--	326	*	--	12	152	--	79	666
June	97	10	--	350	*	--	11	153	--	77	699
July	110	18	--	459	*	--	4	149	--	72	812
August	105	11	1	490	*	--	1	155	--	77	838
Sept	89	9	1	421	*	--	2	152	--	77	750
October	80	6	1	419	*	--	4	137	--	66	712
November	69	3	1	401	*	--	6	138	--	64	683
December	88	11	1	476	*	--	11	141	--	66	793
2011											
January	108	20	1	421	*	--	2	194	--	71	817
February	104	10	1	367	*	--	2	180	--	61	725
March	100	6	1	373	*	--	3	200	--	71	753
April	77	4	--	357	*	--	3	195	--	71	706
May	82	5	--	471	*	--	3	218	--	88	867
June	90	3	--	463	*	--	2	218	--	84	860
July	104	7	--	605	*	--	2	220	--	85	1,023
August	94	7	--	571	*	--	2	225	--	87	985
Sept	84	7	--	487	*	--	2	208	--	83	870
October	65	6	--	438	*	--	2	204	--	84	799
November	62	6	*	437	*	--	2	208	--	84	800
December	78	5	1	499	*	--	2	207	--	81	874
2012											
January	84	NM	1	528	NM	--	NM	214	--	78	913
February	78	4	1	499	NM	--	NM	213	--	77	875
March	70	5	1	476	--	--	NM	216	--	83	853
April	64	6	*	468	NM	--	NM	221	--	81	843
May	70	6	--	480	NM	--	NM	234	--	87	880
June	68	10	--	493	NM	--	NM	225	--	79	880
July	78	11	1	553	--	--	NM	239	--	94	980
August	71	9	1	498	NM	--	NM	238	--	95	917
Sept	58	7	1	480	NM	--	NM	231	--	89	869
October	43	8	1	471	--	--	NM	239	--	91	855
November	72	7	1	447	--	--	NM	232	--	85	845
December	81	6	1	478	--	--	NM	245	--	98	911
Year to Date											
2010	1,111	117	7	4,725	3	--	80	1,714	--	834	8,592
2011	1,049	86	3	5,487	3	--	26	2,476	--	950	10,080
2012	837	84	6	5,870	NM	--	NM	2,746	--	1,036	10,621
Rolling 12 Months Ending in December											
2011	1,049	86	3	5,487	3	--	26	2,476	--	950	10,080
2012	837	NM	6	5,870	NM	--	NM	2,746	--	1,036	10,621

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
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Table 1.5. Net Generation by Energy Source: Industrial Sector, 2002-December 2012

(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2002	21,525	3,196	1,207	79,013	9,493	--	3,825	30,489	--	3,832	152,580
2003	19,817	3,726	1,559	78,705	12,953	--	4,222	28,704	--	4,843	154,530
2004	19,773	4,128	1,839	78,959	11,684	--	3,248	29,164	--	5,129	153,925
2005	19,466	3,804	1,564	72,882	9,687	--	3,195	29,003	--	5,137	144,739
2006	19,464	2,567	1,656	77,669	9,923	--	2,899	28,972	--	5,103	148,254
2007	16,694	2,355	1,889	77,580	9,411	--	1,590	28,919	--	4,690	143,128
2008	15,703	1,555	1,664	76,421	8,507	--	1,676	27,462	--	4,125	137,113
2009	13,686	1,474	1,489	75,748	7,574	--	1,868	26,033	--	4,457	132,329
2010	18,441	844	1,414	81,583	8,343	--	1,668	26,576	--	5,214	144,082
2011	14,490	657	1,234	81,911	8,624	--	1,799	27,619	--	5,541	141,875
2012	13,634	506	2,182	86,767	8,490	--	1,851	27,903	--	3,828	145,162
2010											
January	1,544	102	123	6,959	634	--	169	2,185	--	404	12,120
February	1,481	86	111	6,303	578	--	162	2,031	--	366	11,118
March	1,649	63	100	6,588	735	--	188	2,217	--	397	11,936
April	1,258	61	108	6,194	669	--	187	2,174	--	382	11,034
May	1,519	63	118	6,477	738	--	164	2,130	--	406	11,614
June	1,482	55	132	6,885	700	--	132	2,205	--	485	12,075
July	1,713	67	128	7,205	696	--	107	2,321	--	482	12,718
August	1,792	55	133	7,701	812	--	99	2,321	--	482	13,395
Sept	1,499	58	107	7,085	713	--	76	2,244	--	455	12,238
October	1,527	71	113	6,443	637	--	117	2,199	--	455	11,562
November	1,301	72	124	6,520	688	--	130	2,224	--	436	11,493
December	1,677	92	118	7,223	744	--	134	2,326	--	464	12,777
2011											
January	1,304	84	123	6,901	687	--	143	2,389	--	423	12,054
February	1,125	68	100	6,177	600	--	160	2,126	--	414	10,770
March	1,161	59	101	6,212	693	--	187	2,260	--	474	11,149
April	1,139	56	107	6,416	674	--	184	2,164	--	436	11,175
May	1,199	47	109	6,597	633	--	198	2,099	--	477	11,359
June	1,249	48	104	6,802	753	--	150	2,360	--	471	11,938
July	1,353	43	98	7,517	836	--	109	2,384	--	529	12,868
August	1,389	45	94	7,745	823	--	96	2,420	--	474	13,085
Sept	1,209	46	99	6,953	752	--	122	2,336	--	432	11,948
October	1,120	58	104	6,419	700	--	126	2,233	--	463	11,224
November	1,077	49	95	6,742	715	--	146	2,374	--	465	11,663
December	1,165	55	100	7,429	758	--	178	2,474	--	483	12,642
2012											
January	1,175	54	239	7,293	743	--	175	2,491	--	310	12,480
February	1,055	46	149	6,963	771	--	157	2,319	--	274	11,733
March	1,097	36	161	6,716	769	--	186	2,179	--	308	11,452
April	998	58	156	6,522	745	--	160	2,097	--	285	11,022
May	1,063	34	146	7,235	742	--	182	2,273	--	330	12,006
June	1,130	48	157	7,266	717	--	131	2,264	--	290	12,000
July	1,344	37	168	7,892	731	--	109	2,390	--	332	13,003
August	1,299	34	216	7,535	779	--	97	2,373	--	336	12,669
Sept	1,124	38	192	7,045	668	--	92	2,321	--	324	11,805
October	1,152	53	164	7,096	614	--	107	2,326	--	347	11,860
November	1,085	32	219	7,309	576	--	236	2,392	--	343	12,191
December	1,115	36	216	7,894	634	--	218	2,479	--	350	12,942
Year to Date											
2010	18,441	844	1,414	81,583	8,343	--	1,668	26,576	--	5,214	144,082
2011	14,490	657	1,234	81,911	8,624	--	1,799	27,619	--	5,541	141,875
2012	13,634	506	2,182	86,767	8,490	--	1,851	27,903	--	3,828	145,162
Rolling 12 Months Ending in December											
2011	14,490	657	1,234	81,911	8,624	--	1,799	27,619	--	5,541	141,875
2012	13,634	506	2,182	86,767	8,490	--	1,851	27,903	--	3,828	145,162

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
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Table 1.6.A. Net Generation
by State, by Sector, December 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	9,687	10,252	-5.5%	442	332	8,672	9,351	79	79	494	489
Connecticut	3,127	3,060	2.2%	NM	NM	3,086	3,014	NM	18	NM	20
Maine	1,233	1,508	-18.2%	NM	*	757	1,041	19	16	458	451
Massachusetts	2,290	2,561	-10.6%	34	46	2,202	2,461	40	41	NM	12
New Hampshire	1,910	1,750	9.1%	326	209	1,581	1,538	NM	*	NM	3
Rhode Island	502	714	-29.7%	1	*	498	710	NM	NM	--	--
Vermont	626	658	-4.9%	75	69	549	587	NM	*	NM	3
Middle Atlantic	35,618	35,981	-1.0%	2,838	3,343	32,246	32,142	161	143	373	353
New Jersey	4,684	5,439	-13.9%	-10	-14	4,599	5,335	47	48	48	71
New York	11,237	11,346	-1.0%	2,727	3,159	8,339	8,028	89	73	82	87
Pennsylvania	19,696	19,196	2.6%	121	199	19,308	18,779	25	22	243	196
East North Central	52,161	52,048	0.2%	26,618	26,585	24,588	24,445	158	137	797	881
Illinois	17,604	16,893	4.2%	1,018	928	16,329	15,689	37	41	220	234
Indiana	9,861	10,342	-4.6%	8,618	8,820	995	1,233	21	20	227	268
Michigan	8,099	9,072	-10.7%	6,532	7,180	1,393	1,732	76	63	98	97
Ohio	11,387	10,310	10.4%	7,105	5,850	4,193	4,357	NM	2	74	101
Wisconsin	5,210	5,431	-4.1%	3,345	3,806	1,678	1,434	NM	11	178	180
West North Central	29,491	28,539	3.3%	26,166	25,333	2,902	2,817	44	50	379	338
Iowa	5,132	4,779	7.4%	3,981	3,580	948	1,029	19	19	184	151
Kansas	4,385	4,119	6.5%	3,769	3,875	614	244	--	--	3	*
Minnesota	4,835	4,434	9.0%	4,051	3,561	625	721	15	16	144	137
Missouri	8,140	7,791	4.5%	7,992	7,671	135	101	9	14	NM	4
Nebraska	3,197	3,188	0.3%	3,043	3,056	121	98	NM	1	31	33
North Dakota	3,000	3,276	-8.4%	2,693	2,840	294	422	NM	*	13	14
South Dakota	801	952	-15.8%	637	750	164	202	NM	*	--	--
South Atlantic	59,557	58,930	1.1%	48,121	47,734	9,726	9,445	79	60	1,632	1,692
Delaware	611	553	10.5%	NM	2	550	502	NM	1	59	48
District of Columbia	NM	6	NM	--	6	--	--	NM	--	--	--
Florida	16,530	15,932	3.8%	14,836	14,374	1,196	1,058	NM	6	491	494
Georgia	9,476	9,307	1.8%	7,858	7,847	1,166	1,032	NM	1	450	428
Maryland	3,007	3,120	-3.6%	NM	1	2,956	3,052	NM	12	30	55
North Carolina	9,594	9,288	3.3%	8,872	8,602	521	484	6	7	196	194
South Carolina	7,496	8,352	-10.2%	7,306	8,068	NM	95	*	*	155	189
Virginia	5,958	5,864	1.6%	4,929	4,628	819	1,031	36	33	175	172
West Virginia	6,879	6,509	5.7%	4,318	4,206	2,484	2,190	--	--	76	112
East South Central	30,946	31,581	-2.0%	26,488	26,901	3,560	3,896	NM	14	885	769
Alabama	12,654	13,283	-4.7%	9,414	9,688	2,869	3,217	--	--	371	378
Kentucky	7,807	8,194	-4.7%	7,765	8,146	NM	3	--	--	39	45
Mississippi	3,863	4,214	-8.3%	2,954	3,393	680	669	NM	2	226	151
Tennessee	6,622	5,889	12.4%	6,355	5,674	9	8	NM	12	248	195
West South Central	52,765	52,650	0.2%	18,559	19,815	27,556	26,746	50	39	6,600	6,050
Arkansas	5,182	5,205	-0.4%	3,888	3,920	1,114	1,113	NM	*	179	171
Louisiana	8,287	8,356	-0.8%	4,054	3,932	1,660	1,871	NM	3	2,569	2,549
Oklahoma	5,364	5,587	-4.0%	3,808	4,386	1,506	1,131	NM	1	46	70
Texas	33,933	33,502	1.3%	6,809	7,577	23,276	22,631	42	34	3,805	3,260
Mountain	31,194	31,639	-1.4%	25,054	25,743	5,886	5,611	21	19	233	265
Arizona	8,224	8,739	-5.9%	7,636	8,068	573	647	NM	4	NM	21
Colorado	4,659	4,461	4.4%	3,679	3,726	973	728	NM	1	NM	6
Idaho	1,254	1,011	24.0%	854	600	356	350	--	--	44	61
Montana	2,762	2,848	-3.0%	763	719	1,999	2,129	--	--	NM	1
Nevada	3,062	2,720	12.6%	2,050	1,901	987	798	NM	6	NM	14
New Mexico	3,110	3,529	-11.9%	2,598	3,005	500	512	NM	8	NM	4
Utah	3,480	3,487	-0.2%	3,268	3,327	176	125	NM	*	36	36
Wyoming	4,644	4,843	-4.1%	4,207	4,397	322	324	--	--	115	122
Pacific Contiguous	31,498	32,570	-3.3%	19,879	20,355	9,848	10,179	253	277	1,518	1,760
California	15,504	17,705	-12.4%	6,242	8,278	7,659	7,581	247	265	1,356	1,580
Oregon	5,407	5,396	0.2%	4,203	4,078	1,158	1,266	NM	10	40	43
Washington	10,587	9,469	11.8%	9,434	7,999	1,030	1,332	NM	1	122	137
Pacific Noncontiguous	1,419	1,563	-9.2%	998	1,177	335	286	54	56	32	45
Alaska	577	675	-14.6%	526	619	17	18	25	27	NM	11
Hawaii	842	888	-5.1%	473	557	318	268	28	29	NM	34
U.S. Total	334,335	335,753	-0.4%	195,163	197,318	125,319	124,919	911	874	12,942	12,642

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

Table 1.6.B. Net Generation

by State, by Sector, Year-to-Date through December 2012 and 2011 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	120,527	123,338	-2.3%	3,359	4,408	110,645	112,613	955	949	5,568	5,368
Connecticut	35,733	33,745	5.9%	89	93	35,162	33,208	205	211	277	233
Maine	15,049	15,974	-5.8%	1	1	9,836	10,890	206	176	5,007	4,907
Massachusetts	35,397	38,055	-7.0%	590	610	34,102	36,783	472	490	232	172
New Hampshire	19,270	20,066	-4.0%	2,024	2,994	17,201	17,020	15	20	31	31
Rhode Island	8,370	8,722	-4.0%	12	10	8,304	8,664	55	48	--	--
Vermont	6,708	6,776	-1.0%	643	700	6,041	6,049	NM	4	NM	24
Middle Atlantic	425,772	429,938	-1.0%	36,089	37,650	383,507	386,342	1,725	1,518	4,451	4,428
New Jersey	64,092	64,694	-0.9%	-110	-173	62,994	63,548	558	509	650	811
New York	136,966	137,608	-0.5%	35,150	36,063	100,006	99,807	856	732	954	1,005
Pennsylvania	224,714	227,636	-1.3%	1,050	1,760	220,507	222,987	311	277	2,847	2,612
East North Central	614,935	629,676	-2.3%	309,761	334,633	293,138	283,163	1,997	1,747	10,039	10,133
Illinois	197,738	199,500	-0.9%	12,509	12,242	182,049	183,947	441	447	2,739	2,863
Indiana	114,680	122,131	-6.1%	99,881	104,840	11,435	14,049	234	224	3,129	3,019
Michigan	108,726	109,170	-0.4%	80,982	87,609	25,627	19,532	970	789	1,147	1,240
Ohio	129,307	135,586	-4.6%	75,299	85,007	52,894	49,445	190	172	924	962
Wisconsin	64,484	63,289	1.9%	41,090	44,934	21,134	16,191	162	115	2,099	2,050
West North Central	329,238	332,955	-1.1%	290,744	298,483	33,693	29,881	604	556	4,197	4,034
Iowa	56,919	56,372	1.0%	43,699	43,305	10,948	10,896	210	227	2,062	1,944
Kansas	44,782	45,360	-1.3%	40,418	42,583	4,340	2,776	--	--	NM	1
Minnesota	52,560	53,120	-1.1%	42,586	44,311	8,191	7,072	216	167	1,566	1,570
Missouri	91,985	94,929	-3.1%	88,933	92,674	2,848	2,039	160	146	44	71
Nebraska	34,645	36,095	-4.0%	33,221	34,978	1,072	822	18	17	334	278
North Dakota	36,179	35,080	3.1%	31,964	30,795	4,049	4,116	NM	*	166	169
South Dakota	12,168	11,999	1.4%	9,922	9,839	2,246	2,160	NM	*	--	--
South Atlantic	746,922	762,299	-2.0%	603,694	625,354	124,146	117,707	838	782	18,244	18,456
Delaware	8,808	6,590	33.7%	NM	20	8,001	6,169	NM	5	771	397
District of Columbia	89	201	-55.6%	NM	71	9	130	NM	--	--	--
Florida	220,751	221,895	-0.5%	198,005	200,023	17,339	16,115	82	67	5,325	5,689
Georgia	122,704	124,774	-1.7%	101,161	106,687	16,607	13,327	30	25	4,906	4,736
Maryland	37,815	41,818	-9.6%	12	8	36,930	40,960	245	236	629	614
North Carolina	116,024	118,390	-2.0%	107,887	110,370	6,290	5,832	45	62	1,801	2,126
South Carolina	96,510	102,973	-6.3%	93,090	99,328	1,549	1,592	NM	*	1,868	2,053
Virginia	70,895	66,659	6.4%	56,154	53,317	12,359	11,150	417	387	1,965	1,805
West Virginia	73,326	79,000	-7.2%	47,285	55,530	25,062	22,434	--	--	979	1,036
East South Central	374,125	387,365	-3.4%	313,407	336,824	51,227	41,317	157	150	9,334	9,074
Alabama	152,664	156,339	-2.4%	107,989	118,835	40,231	33,198	--	--	4,444	4,306
Kentucky	89,819	98,351	-8.7%	89,029	97,617	346	154	--	--	444	579
Mississippi	54,193	51,571	5.1%	41,617	41,831	10,580	7,884	NM	24	1,971	1,831
Tennessee	77,449	81,104	-4.5%	74,772	78,540	69	81	132	126	2,475	2,356
West South Central	678,436	676,881	0.2%	248,930	257,463	356,572	349,653	629	572	72,305	69,192
Arkansas	65,382	61,308	6.6%	44,459	44,715	18,982	14,657	NM	6	1,936	1,930
Louisiana	103,770	105,491	-1.6%	52,674	54,924	23,322	22,195	NM	47	27,727	28,325
Oklahoma	78,267	74,606	4.9%	56,912	58,374	20,550	15,411	NM	23	767	798
Texas	431,017	435,477	-1.0%	94,886	99,451	293,718	297,390	538	497	41,875	38,138
Mountain	369,790	364,847	1.4%	291,471	295,901	74,862	65,460	278	262	3,179	3,224
Arizona	110,694	108,125	2.4%	92,853	94,062	17,536	13,699	77	68	228	296
Colorado	53,594	51,433	4.2%	42,085	44,123	11,418	7,224	25	22	67	64
Idaho	16,176	16,569	-2.4%	11,487	12,616	4,176	3,330	--	--	512	623
Montana	27,726	30,129	-8.0%	8,195	9,548	19,523	20,572	--	--	7	9
Nevada	35,566	31,936	11.4%	24,216	21,673	10,967	10,002	94	92	289	169
New Mexico	36,574	38,181	-4.2%	30,366	32,292	6,046	5,767	80	80	81	43
Utah	39,649	40,836	-2.9%	36,870	38,393	1,987	1,638	NM	*	791	806
Wyoming	49,811	47,638	4.6%	45,399	43,195	3,208	3,228	--	--	1,204	1,215
Pacific Contiguous	377,687	375,763	0.5%	234,106	257,680	123,301	97,673	2,914	2,950	17,365	17,460
California	201,341	200,805	0.3%	81,391	105,360	101,528	76,912	2,828	2,880	15,594	15,653
Oregon	60,372	59,695	1.1%	47,017	48,985	12,853	10,188	72	63	430	459
Washington	115,974	115,263	0.6%	105,698	103,334	8,920	10,573	NM	7	1,341	1,349
Pacific Noncontiguous	17,054	17,594	-3.1%	12,224	12,650	3,826	3,846	525	593	480	506
Alaska	6,979	6,871	1.6%	6,432	6,274	204	209	224	275	119	113
Hawaii	10,075	10,723	-6.0%	5,791	6,376	3,622	3,636	301	318	361	393
U.S. Total	4,054,485	4,100,656	-1.1%	2,343,786	2,461,045	1,554,916	1,487,657	10,621	10,080	145,162	141,875

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	641	339	89.5%	260	148	377	188	--	--	5	2
Connecticut	25	--	--	--	--	25	--	--	--	--	--
Maine	6	3	94.4%	--	--	4	2	--	--	2	1
Massachusetts	351	188	86.7%	--	--	348	186	--	--	NM	1
New Hampshire	260	148	75.9%	260	148	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	8,263	7,621	8.4%	--	--	8,155	7,558	*	*	108	63
New Jersey	103	88	16.3%	--	--	103	88	--	--	--	--
New York	421	265	58.4%	--	--	397	237	--	--	24	29
Pennsylvania	7,740	7,267	6.5%	--	--	7,655	7,233	*	*	84	34
East North Central	31,254	31,085	0.5%	22,889	21,772	8,075	8,985	26	20	264	307
Illinois	7,567	7,710	-1.9%	1,003	876	6,410	6,668	5	6	149	160
Indiana	8,421	8,417	0.1%	7,946	7,653	457	748	14	12	NM	4
Michigan	4,739	4,439	6.8%	4,686	4,393	28	30	6	*	20	16
Ohio	7,745	7,141	8.5%	6,542	5,557	1,180	1,539	NM	*	23	45
Wisconsin	2,782	3,378	-17.7%	2,713	3,294	--	--	NM	2	68	82
West North Central	20,324	19,562	3.9%	20,011	19,270	--	--	24	22	289	270
Iowa	3,247	3,055	6.3%	3,053	2,889	--	--	14	16	179	150
Kansas	2,571	2,817	-8.7%	2,571	2,817	--	--	--	--	--	--
Minnesota	2,519	2,104	19.7%	2,448	2,028	--	--	NM	*	71	76
Missouri	6,863	6,457	6.3%	6,851	6,448	--	--	9	5	NM	4
Nebraska	2,365	2,349	0.7%	2,338	2,318	--	--	--	--	28	31
North Dakota	2,445	2,523	-3.1%	2,437	2,514	--	--	--	--	8	9
South Dakota	314	257	22.2%	314	257	--	--	--	--	--	--
South Atlantic	20,704	21,291	-2.8%	16,653	17,450	3,835	3,590	NM	8	211	244
Delaware	101	40	154.7%	--	--	101	40	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3,278	3,332	-1.6%	3,255	3,226	--	82	--	--	NM	24
Georgia	2,190	3,847	-43.1%	2,146	3,792	--	--	--	--	44	54
Maryland	1,258	1,252	0.5%	--	--	1,244	1,235	--	--	14	17
North Carolina	3,870	3,522	9.9%	3,683	3,332	155	158	4	6	NM	26
South Carolina	2,234	2,161	3.4%	2,220	2,131	--	11	--	--	14	19
Virginia	1,162	950	22.3%	1,076	831	36	59	NM	1	50	59
West Virginia	6,611	6,188	6.8%	4,274	4,138	2,299	2,006	--	--	38	44
East South Central	15,171	13,607	11.5%	14,712	13,161	324	320	NM	2	132	124
Alabama	3,862	3,438	12.3%	3,838	3,415	5	3	--	--	20	20
Kentucky	7,303	7,688	-5.0%	7,303	7,688	--	--	--	--	--	--
Mississippi	549	787	-30.3%	229	470	319	317	--	--	--	--
Tennessee	3,457	1,694	104.1%	3,342	1,587	--	--	NM	2	113	104
West South Central	18,763	19,399	-3.3%	10,428	10,912	8,313	8,447	--	--	NM	40
Arkansas	2,659	2,505	6.2%	2,264	2,030	384	466	--	--	11	9
Louisiana	2,086	2,102	-0.7%	1,245	1,052	842	1,050	--	--	--	--
Oklahoma	2,400	2,835	-15.4%	2,157	2,663	232	141	--	--	NM	31
Texas	11,617	11,957	-2.8%	4,762	5,167	6,856	6,790	--	--	--	1
Mountain	17,883	18,439	-3.0%	16,163	16,512	1,668	1,857	--	--	51	70
Arizona	3,734	3,823	-2.3%	3,728	3,803	--	--	--	--	NM	20
Colorado	3,206	2,910	10.2%	3,197	2,897	NM	13	--	--	--	--
Idaho	7	11	-38.7%	--	--	--	--	--	--	7	11
Montana	1,470	1,643	-10.5%	NM	29	1,442	1,614	--	--	NM	1
Nevada	445	499	-10.7%	334	371	112	128	--	--	--	--
New Mexico	2,230	2,504	-10.9%	2,230	2,504	--	--	--	--	--	--
Utah	2,746	2,796	-1.8%	2,708	2,757	NM	39	--	--	--	--
Wyoming	4,044	4,254	-4.9%	3,939	4,151	NM	64	--	--	38	39
Pacific Contiguous	1,039	1,460	-28.8%	344	397	663	1,028	--	--	33	35
California	115	150	-23.7%	--	--	85	119	--	--	29	31
Oregon	344	397	-13.3%	344	397	--	--	--	--	--	--
Washington	581	913	-36.4%	--	--	578	909	--	--	3	4
Pacific Noncontiguous	187	125	49.4%	19	19	144	72	25	27	--	8
Alaska	61	64	-4.4%	19	19	17	18	25	27	--	--
Hawaii	126	62	105.1%	--	--	126	54	--	--	--	8
U.S. Total	134,230	132,929	1.0%	101,480	99,641	31,555	32,045	81	78	1,115	1,165

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	3,507	6,848	-48.8%	1,268	2,208	2,192	4,592	--	--	48	47
Connecticut	96	526	-81.8%	--	--	96	526	--	--	--	--
Maine	45	55	-18.0%	--	--	30	38	--	--	15	18
Massachusetts	2,098	4,059	-48.3%	--	--	2,065	4,029	--	--	33	30
New Hampshire	1,268	2,208	-42.6%	1,268	2,208	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	94,474	114,184	-17.3%	NM	25	93,173	112,953	NM	4	1,286	1,202
New Jersey	1,897	4,155	-54.3%	--	--	1,897	4,155	--	--	--	--
New York	4,548	9,426	-51.7%	NM	25	4,220	9,037	--	1	315	363
Pennsylvania	88,029	100,603	-12.5%	--	--	87,056	99,761	NM	3	971	839
East North Central	345,541	398,389	-13.3%	250,734	285,135	91,406	109,458	316	401	3,085	3,395
Illinois	80,840	90,013	-10.2%	10,895	11,093	68,154	77,020	42	46	1,749	1,854
Indiana	92,577	104,153	-11.1%	86,643	95,404	5,749	8,570	137	132	48	46
Michigan	53,346	58,948	-9.5%	52,720	58,183	333	318	118	202	175	246
Ohio	86,022	105,337	-18.3%	68,592	81,470	17,170	23,551	NM	1	258	315
Wisconsin	32,756	39,938	-18.0%	31,885	38,984	--	--	16	20	855	934
West North Central	215,790	232,119	-7.0%	212,277	228,675	--	--	234	275	3,279	3,170
Iowa	35,565	38,229	-7.0%	33,374	36,122	--	--	157	183	2,033	1,925
Kansas	27,983	31,656	-11.6%	27,983	31,656	--	--	--	--	--	--
Minnesota	23,057	28,259	-18.4%	22,228	27,429	--	--	8	5	821	824
Missouri	72,870	78,316	-7.0%	72,763	78,164	--	--	68	87	39	65
Nebraska	25,111	25,965	-3.3%	24,815	25,708	--	--	--	--	296	257
North Dakota	28,234	27,109	4.2%	28,143	27,011	--	--	--	--	91	98
South Dakota	2,970	2,586	14.9%	2,970	2,586	--	--	--	--	--	--
South Atlantic	266,796	324,436	-17.8%	219,299	272,063	45,090	49,415	48	77	2,359	2,882
Delaware	1,462	1,455	0.5%	--	--	1,462	1,455	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	44,367	51,991	-14.7%	42,624	49,487	1,501	2,186	--	--	242	317
Georgia	40,705	60,159	-32.3%	40,197	59,452	--	--	--	--	507	707
Maryland	16,133	21,059	-23.4%	--	--	15,968	20,860	--	--	164	199
North Carolina	51,009	59,758	-14.6%	48,888	57,250	1,836	2,156	29	51	256	301
South Carolina	28,489	34,169	-16.6%	28,291	33,772	30	135	--	--	168	262
Virginia	14,332	19,881	-27.9%	12,573	17,243	1,130	1,959	NM	26	609	653
West Virginia	70,301	75,964	-7.5%	46,725	54,859	23,163	20,664	--	--	413	441
East South Central	171,059	198,964	-14.0%	166,731	194,873	2,789	2,533	20	23	1,519	1,535
Alabama	45,690	56,807	-19.6%	45,459	56,539	32	58	--	--	199	211
Kentucky	82,566	91,656	-9.9%	82,566	91,656	--	--	--	--	--	--
Mississippi	7,213	9,723	-25.8%	4,456	7,248	2,757	2,476	--	--	--	--
Tennessee	35,590	40,777	-12.7%	34,249	39,430	--	--	20	23	1,321	1,324
West South Central	217,235	246,421	-11.8%	119,496	133,827	97,271	112,074	--	--	468	520
Arkansas	28,431	29,418	-3.4%	23,979	25,158	4,353	4,159	--	--	99	101
Louisiana	21,428	24,628	-13.0%	11,163	11,860	10,258	12,749	--	--	NM	19
Oklahoma	29,283	34,479	-15.1%	27,142	32,204	1,783	1,882	--	--	358	393
Texas	138,093	157,897	-12.5%	57,211	64,604	80,877	93,285	--	--	NM	7
Mountain	192,645	199,443	-3.4%	175,194	180,790	16,306	17,363	--	--	1,145	1,290
Arizona	40,207	43,702	-8.0%	39,991	43,412	--	--	--	--	216	291
Colorado	34,643	33,955	2.0%	34,513	33,792	130	163	--	--	--	--
Idaho	76	83	-8.7%	--	--	--	--	--	--	76	83
Montana	14,207	15,056	-5.6%	289	300	13,910	14,747	--	--	7	9
Nevada	4,079	5,407	-24.6%	2,964	4,093	1,115	1,315	--	--	--	--
New Mexico	24,998	27,141	-7.9%	24,998	27,141	--	--	--	--	--	--
Utah	30,791	33,138	-7.1%	29,974	32,277	413	419	--	--	405	441
Wyoming	43,642	40,961	6.5%	42,464	39,775	738	719	--	--	441	467
Pacific Contiguous	7,989	10,544	-24.2%	2,634	3,334	4,943	6,808	--	--	412	403
California	1,592	1,982	-19.7%	--	--	1,214	1,608	--	--	378	374
Oregon	2,634	3,334	-21.0%	2,634	3,334	--	--	--	--	--	--
Washington	3,763	5,229	-28.0%	--	--	3,728	5,200	--	--	35	29
Pacific Noncontiguous	2,166	2,080	4.1%	215	178	1,701	1,586	217	269	32	47
Alaska	636	656	-3.0%	215	178	204	209	217	269	--	--
Hawaii	1,530	1,424	7.4%	--	--	1,498	1,377	--	--	32	47
U.S. Total	1,517,203	1,733,430	-12.5%	1,147,861	1,301,107	354,870	416,783	837	1,049	13,634	14,490

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	13	16	-20.3%	2	3	5	4	3	2	2	7
Connecticut	2	2	13.1%	NM	NM	1	1	NM	--	NM	1
Maine	5	6	-23.5%	NM	*	3	NM	NM	*	2	6
Massachusetts	3	7	-55.2%	*	2	1	3	2	2	NM	*
New Hampshire	NM	*	NM	*	*	NM	--	NM	*	NM	*
Rhode Island	1	*	231.6%	1	*	NM	--	NM	NM	--	--
Vermont	NM	*	NM	NM	*	--	--	NM	*	--	--
Middle Atlantic	38	49	-23.0%	4	6	25	33	NM	1	7	9
New Jersey	NM	*	NM	NM	*	NM	*	NM	*	NM	*
New York	18	29	-37.5%	4	6	6	13	NM	1	7	8
Pennsylvania	19	20	-5.4%	NM	*	18	20	*	*	NM	*
East North Central	57	65	-12.3%	48	50	7	13	NM	*	1	2
Illinois	5	9	-47.2%	2	4	3	6	NM	*	NM	*
Indiana	9	15	-40.0%	8	14	NM	*	NM	*	1	1
Michigan	10	9	0.5%	9	9	--	--	NM	*	*	*
Ohio	31	26	20.8%	28	21	4	5	NM	*	*	*
Wisconsin	2	4	-63.9%	2	2	*	2	NM	*	NM	*
West North Central	24	38	-36.8%	24	35	NM	1	NM	1	NM	1
Iowa	8	4	85.1%	8	4	NM	*	NM	*	NM	*
Kansas	3	3	1.9%	3	3	--	--	--	--	--	--
Minnesota	1	18	-91.7%	1	15	NM	1	NM	1	NM	*
Missouri	8	4	93.6%	8	4	--	--	NM	*	--	--
Nebraska	1	3	-78.2%	1	3	--	--	--	--	--	--
North Dakota	2	5	-64.8%	2	5	--	--	NM	*	NM	*
South Dakota	1	1	-12.5%	1	1	NM	*	NM	*	--	--
South Atlantic	50	121	-58.5%	33	79	9	28	NM	*	8	14
Delaware	1	2	-42.5%	NM	*	1	2	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	19	26	-25.7%	17	19	1	2	--	--	1	5
Georgia	-15	18	-184.2%	-18	14	NM	*	NM	*	2	4
Maryland	6	23	-72.3%	1	1	6	22	NM	*	*	*
North Carolina	10	14	-27.5%	10	12	NM	1	NM	*	NM	1
South Carolina	6	8	-31.8%	5	8	--	--	NM	*	1	*
Virginia	11	15	-30.6%	6	11	1	*	NM	*	3	4
West Virginia	12	14	-13.1%	12	14	--	--	--	--	--	--
East South Central	35	49	-27.8%	31	47	NM	*	--	--	4	2
Alabama	12	14	-12.3%	8	12	NM	*	--	--	4	2
Kentucky	11	15	-25.9%	11	15	--	--	--	--	--	--
Mississippi	1	2	-70.7%	*	2	--	--	--	--	*	*
Tennessee	11	18	-35.8%	11	18	--	--	--	--	NM	*
West South Central	18	24	-24.3%	6	10	11	12	NM	*	1	2
Arkansas	4	7	-44.7%	2	6	2	*	--	--	NM	*
Louisiana	7	4	68.3%	2	*	4	2	--	--	1	2
Oklahoma	1	2	-69.4%	1	2	--	--	NM	*	--	--
Texas	7	11	-40.0%	1	1	5	9	NM	*	NM	*
Mountain	21	24	-10.8%	19	22	2	2	NM	*	NM	*
Arizona	2	4	-44.1%	2	4	--	--	NM	*	NM	*
Colorado	2	3	-46.1%	1	3	*	--	--	--	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	1	1	-1.3%	NM	*	1	1	--	--	--	--
Nevada	2	2	38.2%	2	1	1	*	--	--	--	--
New Mexico	6	4	47.9%	6	4	NM	*	--	--	--	--
Utah	4	6	-39.4%	4	6	NM	*	--	--	--	--
Wyoming	4	4	7.4%	4	4	--	--	--	--	NM	*
Pacific Contiguous	7	6	7.4%	4	3	2	1	NM	*	1	2
California	4	3	17.0%	2	3	1	*	NM	*	NM	*
Oregon	1	*	204.2%	1	*	--	--	NM	*	--	--
Washington	3	3	-15.3%	NM	*	1	1	NM	*	1	1
Pacific Noncontiguous	710	786	-9.7%	566	623	133	145	NM	*	10	18
Alaska	100	96	3.9%	96	90	--	--	NM	*	3	5
Hawaii	611	691	-11.6%	470	533	133	145	*	*	7	13
U.S. Total	973	1,178	-17.4%	737	879	195	238	6	5	36	55

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	408	639	-36.1%	58	120	248	374	57	55	46	90
Connecticut	109	166	-34.2%	5	5	101	155	NM	--	NM	5
Maine	111	178	-37.8%	1	1	65	89	NM	3	42	85
Massachusetts	135	197	-31.3%	17	40	81	128	37	28	NM	NM
New Hampshire	35	78	-55.1%	20	57	NM	1	15	20	NM	*
Rhode Island	14	14	1.9%	12	10	NM	1	NM	2	--	--
Vermont	5	8	-39.4%	NM	6	--	--	NM	2	--	--
Middle Atlantic	859	1,452	-40.9%	344	479	425	860	13	13	77	100
New Jersey	34	107	-68.2%	NM	4	30	101	NM	1	NM	1
New York	579	926	-37.5%	342	475	156	345	11	11	70	96
Pennsylvania	246	419	-41.4%	NM	*	239	414	1	2	5	3
East North Central	634	784	-19.2%	523	650	91	110	3	5	17	19
Illinois	69	84	-17.6%	22	28	47	56	NM	*	NM	*
Indiana	120	172	-30.2%	108	157	NM	*	NM	2	11	13
Michigan	147	179	-17.9%	142	174	*	*	2	3	3	2
Ohio	257	313	-18.1%	213	264	41	48	NM	*	2	2
Wisconsin	40	36	13.0%	37	28	2	6	NM	*	NM	1
West North Central	296	311	-4.9%	286	301	5	4	NM	2	NM	4
Iowa	89	69	29.4%	88	68	1	1	NM	*	NM	*
Kansas	34	38	-8.4%	34	38	--	--	--	--	--	--
Minnesota	31	38	-18.1%	24	33	4	2	NM	2	NM	1
Missouri	77	80	-3.4%	77	79	--	--	NM	*	--	1
Nebraska	20	37	-46.3%	20	37	--	--	--	--	--	--
North Dakota	35	42	-16.4%	34	40	--	--	NM	*	NM	2
South Dakota	9	8	17.3%	8	7	NM	1	NM	*	--	--
South Atlantic	1,741	2,936	-40.7%	1,366	2,266	255	485	3	3	117	182
Delaware	23	38	-38.9%	NM	2	22	36	--	--	--	--
District of Columbia	9	130	-92.8%	--	--	9	130	--	--	--	--
Florida	727	1,383	-47.4%	686	1,326	22	12	--	--	19	44
Georgia	71	137	-47.8%	27	71	NM	4	2	2	40	59
Maryland	119	229	-48.2%	9	7	102	218	NM	*	8	3
North Carolina	188	218	-13.6%	170	186	4	4	NM	*	14	27
South Carolina	103	112	-7.3%	94	101	--	--	NM	*	8	11
Virginia	356	503	-29.1%	235	394	93	69	1	1	27	37
West Virginia	144	188	-23.7%	143	178	1	10	--	--	--	--
East South Central	390	491	-20.5%	354	461	1	5	--	--	35	25
Alabama	105	120	-12.9%	74	96	1	5	--	--	30	19
Kentucky	123	139	-11.8%	123	139	--	--	--	--	--	--
Mississippi	17	36	-53.7%	13	33	--	--	--	--	4	3
Tennessee	146	195	-25.2%	144	193	--	--	--	--	NM	2
West South Central	172	257	-33.2%	66	133	94	110	NM	2	10	13
Arkansas	33	56	-41.7%	18	32	13	21	--	--	NM	2
Louisiana	36	49	-27.5%	10	23	19	19	--	--	6	8
Oklahoma	11	16	-30.3%	10	15	--	--	NM	1	--	--
Texas	93	137	-32.2%	28	63	62	70	NM	1	NM	3
Mountain	238	255	-6.4%	215	230	21	22	NM	*	NM	2
Arizona	43	53	-19.3%	41	52	--	--	NM	*	NM	2
Colorado	17	22	-21.9%	17	22	*	--	--	*	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	14	18	-18.3%	NM	2	13	16	--	--	--	--
Nevada	20	14	39.7%	14	10	6	4	--	--	--	--
New Mexico	50	38	32.5%	48	35	NM	2	--	--	--	--
Utah	45	54	-16.4%	45	54	NM	*	--	--	--	--
Wyoming	48	55	-12.8%	48	55	--	--	--	--	NM	*
Pacific Contiguous	85	92	-7.4%	47	49	21	17	NM	1	16	24
California	50	47	7.9%	35	37	13	7	NM	1	2	3
Oregon	6	8	-23.7%	6	7	--	--	NM	*	--	1
Washington	29	37	-23.2%	6	6	9	11	NM	*	14	20
Pacific Noncontiguous	8,386	8,869	-5.4%	6,733	6,999	1,466	1,667	NM	4	184	199
Alaska	1,030	945	9.0%	981	892	--	--	NM	3	46	50
Hawaii	7,356	7,924	-7.2%	5,751	6,107	1,466	1,667	1	1	138	149
U.S. Total	13,209	16,086	-17.9%	9,990	11,688	2,628	3,655	84	86	506	657

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	12	NM	--	--	--	NM	--	--	NM	9
New Jersey	--	4	-100.0%	--	--	--	--	--	--	--	4
New York	--	NM	NM	--	--	--	NM	--	--	--	--
Pennsylvania	NM	5	NM	--	--	--	--	--	--	NM	5
East North Central	111	198	-43.8%	*	85	86	91	--	--	25	23
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	*	69	-100.0%	*	69	--	--	--	--	--	--
Michigan	NM	9	NM	--	--	6	7	--	--	NM	2
Ohio	80	84	-5.1%	--	--	80	84	--	--	--	*
Wisconsin	21	37	-42.1%	*	16	--	--	--	--	21	21
West North Central	1	1	-43.9%	*	*	--	--	1	1	--	--
Iowa	1	1	-39.9%	--	*	--	--	1	1	--	--
Kansas	*	--	--	*	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	26	200	-87.0%	5	172	--	--	--	--	21	28
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	5	172	-97.1%	5	172	--	--	--	--	--	--
Georgia	21	28	-25.5%	--	--	--	--	--	--	21	28
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	147	77	91.2%	147	77	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	147	77	91.2%	147	77	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	446	421	5.8%	281	332	--	NM	--	--	165	39
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	300	364	-17.6%	281	332	--	--	--	--	NM	31
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	146	58	153.8%	--	--	--	NM	--	--	146	8
Mountain	42	44	-3.5%	--	--	42	44	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	42	44	-3.5%	--	--	42	44	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	53	NM	--	--	NM	53	--	--	--	--
California	NM	53	NM	--	--	NM	53	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	784	1,007	-22.2%	434	667	133	241	1	1	216	100

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	344	NM	--	--	--	263	--	--	NM	81
New Jersey	--	58	-100.0%	--	--	--	--	--	--	--	58
New York	--	263	-100.0%	--	--	--	263	--	--	--	--
Pennsylvania	NM	23	NM	--	--	--	--	--	--	NM	23
East North Central	2,219	2,946	-24.7%	887	1,490	1,054	1,141	--	--	278	314
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	831	1,161	-28.4%	831	1,161	--	--	--	--	--	--
Michigan	126	163	-22.6%	--	--	73	67	--	--	53	97
Ohio	982	1,075	-8.6%	--	--	980	1,075	--	--	NM	*
Wisconsin	279	547	-49.0%	55	329	--	--	--	--	223	217
West North Central	17	91	-80.9%	12	88	--	--	6	3	--	--
Iowa	18	72	-75.7%	12	69	--	--	6	3	--	--
Kansas	*	19	-100.7%	*	19	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	950	2,313	-58.9%	646	1,898	--	--	--	--	305	415
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	646	1,898	-66.0%	646	1,898	--	--	--	--	--	--
Georgia	305	415	-26.5%	--	--	--	--	--	--	305	415
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	1,445	1,596	-9.5%	1,445	1,596	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	1,445	1,596	-9.5%	1,445	1,596	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	4,290	5,498	-22.0%	2,691	4,355	55	719	--	--	1,544	424
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	2,902	4,658	-37.7%	2,691	4,355	--	--	--	--	211	303
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	1,388	840	65.2%	--	--	55	719	--	--	1,333	121
Mountain	454	443	2.5%	--	--	454	443	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	454	443	2.5%	--	--	454	443	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	260	864	-69.9%	--	--	260	864	--	--	--	--
California	260	864	-69.9%	--	--	260	864	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	9,691	14,096	-31.2%	5,680	9,428	1,823	3,431	6	3	2,182	1,234

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	3,907	4,962	-21.3%	NM	NM	3,628	4,667	55	60	213	228
Connecticut	1,372	1,309	4.8%	NM	NM	1,336	1,269	NM	18	NM	19
Maine	398	690	-42.3%	--	--	216	494	NM	*	182	196
Massachusetts	1,173	1,624	-27.7%	8	4	1,118	1,572	36	38	NM	10
New Hampshire	474	638	-25.6%	*	*	472	635	--	--	NM	2
Rhode Island	489	701	-30.2%	--	--	486	697	NM	NM	--	--
Vermont	*	*	26.9%	*	*	--	--	--	--	--	--
Middle Atlantic	9,845	10,116	-2.7%	1,054	950	8,608	8,967	69	68	115	131
New Jersey	1,398	2,064	-32.3%	--	--	1,349	2,012	NM	10	NM	43
New York	4,256	4,089	4.1%	1,053	950	3,127	3,064	55	54	NM	21
Pennsylvania	4,191	3,963	5.7%	NM	*	4,132	3,891	NM	5	55	67
East North Central	4,152	4,831	-14.1%	1,607	1,979	2,352	2,675	89	90	103	88
Illinois	337	259	29.9%	9	43	266	165	32	35	NM	16
Indiana	826	1,275	-35.2%	606	1,036	180	191	NM	5	36	43
Michigan	625	1,280	-51.2%	110	330	464	896	35	40	17	14
Ohio	1,712	1,400	22.3%	507	257	1,187	1,136	NM	2	NM	5
Wisconsin	651	617	5.6%	376	311	255	288	NM	8	14	10
West North Central	1,205	573	110.2%	1,105	510	68	37	NM	18	22	8
Iowa	120	15	676.6%	115	15	--	*	NM	*	NM	*
Kansas	NM	73	NM	NM	73	--	--	--	--	3	*
Minnesota	604	257	135.3%	540	206	45	35	NM	9	NM	6
Missouri	220	222	-1.1%	197	212	23	2	*	8	NM	*
Nebraska	NM	5	NM	4	4	--	--	NM	*	NM	1
North Dakota	NM	1	NM	--	*	--	--	--	--	NM	1
South Dakota	NM	*	NM	NM	*	--	--	--	--	--	--
South Atlantic	19,445	16,829	15.5%	15,531	13,225	3,571	3,357	NM	9	317	238
Delaware	493	480	2.8%	NM	2	440	448	--	--	52	30
District of Columbia	NM	6	NM	--	6	--	--	NM	--	--	--
Florida	10,529	9,981	5.5%	9,537	9,226	853	632	NM	2	135	121
Georgia	3,771	2,083	81.0%	2,528	1,012	1,150	1,018	--	--	92	53
Maryland	143	93	54.3%	--	--	124	74	NM	7	NM	12
North Carolina	1,544	1,186	30.2%	1,264	961	268	219	1	*	NM	6
South Carolina	1,051	1,085	-3.1%	1,016	1,002	NM	80	*	--	5	4
Virginia	1,903	1,910	-0.4%	1,184	1,016	701	882	--	--	NM	12
West Virginia	5	6	-7.1%	--	1	5	4	--	--	NM	*
East South Central	7,508	7,337	2.3%	4,067	3,656	3,211	3,548	NM	12	220	121
Alabama	4,203	4,553	-7.7%	1,276	1,278	2,849	3,195	--	--	78	80
Kentucky	68	51	34.3%	50	40	NM	2	--	--	NM	9
Mississippi	2,539	2,418	5.0%	2,054	2,037	361	352	NM	2	122	27
Tennessee	699	316	121.4%	687	302	--	--	NM	10	NM	4
West South Central	22,251	22,513	-1.2%	5,425	5,102	11,120	12,136	46	34	5,660	5,241
Arkansas	884	779	13.5%	NM	119	718	638	NM	*	NM	22
Louisiana	4,778	3,926	21.7%	1,824	1,064	751	675	NM	3	2,200	2,184
Oklahoma	1,887	2,111	-10.6%	1,467	1,552	407	549	NM	1	NM	9
Texas	14,702	15,697	-6.3%	1,987	2,366	9,244	10,274	38	30	3,432	3,026
Mountain	5,008	5,724	-12.5%	3,196	3,814	1,696	1,806	18	16	98	87
Arizona	919	1,217	-24.5%	449	610	463	603	NM	3	NM	1
Colorado	689	969	-28.9%	367	817	321	151	--	*	NM	1
Idaho	97	232	-58.4%	22	29	69	200	--	--	7	2
Montana	NM	30	NM	NM	29	NM	1	--	--	--	--
Nevada	2,146	1,865	15.0%	1,572	1,381	550	465	NM	5	NM	14
New Mexico	606	837	-27.6%	348	485	246	340	NM	8	NM	4
Utah	495	524	-5.4%	432	461	NM	45	NM	*	17	18
Wyoming	51	49	2.9%	NM	2	NM	1	--	--	49	46
Pacific Contiguous	10,495	12,871	-18.5%	3,262	4,584	5,936	6,814	154	192	1,142	1,282
California	9,369	10,244	-8.5%	2,838	3,198	5,253	5,596	151	183	1,127	1,266
Oregon	792	1,682	-52.9%	163	622	618	1,042	NM	8	NM	10
Washington	333	946	-64.7%	261	763	65	176	NM	1	7	6
Pacific Noncontiguous	288	365	-21.2%	282	359	--	--	NM	*	NM	5
Alaska	288	365	-21.2%	282	359	--	--	NM	*	NM	5
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	84,103	86,122	-2.3%	35,541	34,186	40,190	44,007	478	499	7,894	7,429

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	62,372	63,236	-1.4%	369	357	58,708	59,763	675	700	2,620	2,416
Connecticut	16,515	15,188	8.7%	NM	NM	15,997	14,715	205	211	273	227
Maine	6,184	6,877	-10.1%	--	--	4,057	4,850	NM	*	2,127	2,026
Massachusetts	24,419	25,940	-5.9%	269	240	23,540	25,120	416	443	194	136
New Hampshire	7,031	6,658	5.6%	58	80	6,947	6,552	--	--	26	26
Rhode Island	8,221	8,571	-4.1%	--	--	8,167	8,525	53	46	--	--
Vermont	3	3	-21.0%	3	3	--	--	--	--	--	--
Middle Atlantic	140,324	117,798	19.1%	14,136	13,073	123,920	102,605	794	671	1,475	1,448
New Jersey	27,219	25,201	8.0%	--	--	26,591	24,587	126	121	502	493
New York	59,994	50,805	18.1%	14,127	13,068	45,020	36,993	595	499	252	246
Pennsylvania	53,111	41,792	27.1%	NM	5	52,308	41,026	73	52	721	709
East North Central	82,672	47,583	73.7%	29,724	16,805	50,233	28,608	1,206	981	1,509	1,188
Illinois	11,364	5,956	90.8%	1,538	1,063	8,981	4,094	399	401	445	398
Indiana	14,609	10,064	45.2%	11,480	7,338	2,525	2,195	55	49	549	482
Michigan	22,279	12,982	71.6%	4,525	2,688	17,063	9,866	448	279	243	149
Ohio	22,628	12,338	83.4%	6,096	2,873	16,274	9,230	187	171	71	63
Wisconsin	11,792	6,243	88.9%	6,085	2,842	5,390	3,223	117	81	201	97
West North Central	19,881	12,000	65.7%	16,690	10,228	2,736	1,485	257	175	197	111
Iowa	1,973	991	99.0%	1,943	980	NM	*	NM	7	NM	4
Kansas	3,289	2,535	29.7%	3,264	2,534	--	--	--	--	NM	1
Minnesota	7,180	3,351	114.3%	5,785	2,533	1,157	648	149	107	89	64
Missouri	6,238	4,548	37.1%	4,565	3,651	1,579	838	91	58	NM	1
Nebraska	864	426	102.8%	821	402	--	--	NM	3	38	21
North Dakota	26	20	32.8%	NM	*	--	--	--	--	26	20
South Dakota	311	129	140.6%	311	129	--	--	--	--	--	--
South Atlantic	262,919	212,696	23.6%	204,805	168,055	54,526	42,097	238	210	3,350	2,333
Delaware	6,937	4,731	46.6%	NM	18	6,384	4,525	--	--	528	188
District of Columbia	80	71	12.1%	NM	71	--	--	NM	--	--	--
Florida	149,248	136,364	9.4%	135,780	124,926	11,953	10,060	NM	29	1,472	1,349
Georgia	42,780	26,544	61.2%	25,527	12,886	16,436	13,151	--	--	817	507
Maryland	4,965	2,311	114.9%	--	--	4,643	2,022	177	181	145	107
North Carolina	19,417	11,155	74.1%	16,049	8,539	3,259	2,556	6	1	103	60
South Carolina	14,127	12,936	9.2%	12,612	11,522	1,461	1,392	NM	--	51	22
Virginia	25,128	18,332	37.1%	14,709	10,062	10,195	8,176	--	--	225	94
West Virginia	236	251	-6.1%	33	31	194	215	--	--	NM	6
East South Central	104,327	82,452	26.5%	54,265	42,418	48,169	38,458	137	127	1,757	1,448
Alabama	55,416	47,681	16.2%	14,457	13,959	40,008	32,905	--	--	952	818
Kentucky	2,972	1,546	92.3%	2,421	1,163	338	144	--	--	213	238
Mississippi	38,250	29,966	27.6%	29,851	24,213	7,823	5,409	NM	24	551	320
Tennessee	7,689	3,259	135.9%	7,535	3,083	--	--	112	103	42	73
West South Central	331,525	300,606	10.3%	89,939	82,714	178,938	157,723	583	528	62,065	59,641
Arkansas	17,501	12,947	35.2%	2,795	2,376	14,493	10,362	NM	*	212	208
Louisiana	59,200	54,322	9.0%	23,150	22,071	12,023	8,058	NM	47	23,980	24,147
Oklahoma	39,415	32,837	20.0%	27,146	24,140	12,127	8,585	NM	22	104	90
Texas	215,409	200,500	7.4%	36,848	34,127	140,295	130,718	498	458	37,768	35,197
Mountain	84,615	71,090	19.0%	49,985	43,981	33,275	26,045	210	202	1,144	862
Arizona	30,319	23,253	30.4%	13,917	9,960	16,324	13,227	68	61	NM	4
Colorado	10,832	10,186	6.3%	5,903	8,564	4,907	1,606	4	4	18	12
Idaho	1,941	1,111	74.8%	596	146	1,307	923	--	--	38	42
Montana	168	418	-59.9%	144	406	NM	12	--	--	--	--
Nevada	25,656	21,841	17.5%	18,798	15,389	6,511	6,225	60	60	288	168
New Mexico	8,750	8,566	2.1%	5,119	4,921	3,473	3,526	76	76	81	43
Utah	6,399	5,256	21.8%	5,456	4,566	713	518	NM	*	228	172
Wyoming	549	459	19.7%	NM	30	NM	8	--	--	482	422
Pacific Contiguous	138,215	102,321	35.1%	44,099	33,363	79,766	54,662	1,766	1,890	12,583	12,406
California	121,092	88,974	36.1%	35,715	26,905	71,245	47,960	1,706	1,844	12,425	12,264
Oregon	11,628	8,498	36.8%	4,028	2,839	7,457	5,534	46	39	97	86
Washington	5,494	4,850	13.3%	4,356	3,620	1,064	1,168	NM	6	61	56
Pacific Noncontiguous	3,859	3,906	-1.2%	3,787	3,846	--	--	NM	3	67	57
Alaska	3,859	3,906	-1.2%	3,787	3,846	--	--	NM	3	67	57
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	1,230,708	1,013,689	21.4%	507,801	414,843	630,271	511,447	5,870	5,487	86,767	81,911

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	56	73	-23.0%	--	--	--	4	--	*	56	68
New Jersey	NM	13	NM	--	--	--	--	--	*	NM	13
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	47	60	-21.1%	--	--	--	4	--	--	47	56
East North Central	223	266	-16.3%	--	--	29	24	--	--	194	243
Illinois	NM	32	NM	--	--	*	--	--	--	NM	32
Indiana	163	198	-17.7%	--	--	--	--	--	--	163	198
Michigan	28	14	100.6%	--	--	28	14	--	--	--	--
Ohio	NM	22	NM	--	--	--	9	--	--	NM	12
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	NM	2	NM	--	--	--	--	--	--	NM	2
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	NM	2	NM	--	--	--	--	--	--	NM	2
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	10	34	-70.3%	--	--	--	--	--	--	10	34
Delaware	7	18	-61.6%	--	--	--	--	--	--	7	18
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	*	*	-48.5%	--	--	--	--	--	--	*	*
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	12	-100.0%	--	--	--	--	--	--	--	12
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	3	3	1.4%	--	--	--	--	--	--	3	3
East South Central	7	29	-74.9%	--	--	--	--	--	--	7	29
Alabama	6	28	-78.0%	--	--	--	--	--	--	6	28
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	1	1	-5.0%	--	--	--	--	--	--	1	1
West South Central	398	384	3.9%	--	--	163	184	--	--	236	200
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	155	95	62.4%	--	--	22	23	--	--	133	72
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	244	288	-15.5%	--	--	141	161	--	--	103	127
Mountain	32	35	-7.6%	--	--	1	1	--	--	31	34
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	*	*	3.8%	--	--	*	*	--	--	--	--
Nevada	1	1	25.5%	--	--	1	1	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	NM	4	NM	--	--	--	--	--	--	NM	4
Wyoming	29	30	-5.0%	--	--	--	--	--	--	29	30
Pacific Contiguous	127	180	-29.4%	NM	3	31	32	--	--	95	145
California	96	147	-35.1%	NM	3	--	--	--	--	95	145
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	31	32	-3.4%	--	--	31	32	--	--	--	--
Pacific Noncontiguous	NM	3	NM	--	--	--	--	--	--	NM	3
Alaska	NM	*	NM	--	--	--	--	--	--	NM	*
Hawaii	NM	3	NM	--	--	--	--	--	--	NM	3
U.S. Total	858	1,005	-14.6%	NM	3	224	244	--	*	634	758

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	776	755	2.7%	--	--	43	41	NM	3	729	711
New Jersey	148	139	6.2%	--	--	--	--	NM	3	144	136
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	628	616	1.9%	--	--	43	41	--	--	585	575
East North Central	3,081	3,075	0.2%	--	--	354	386	--	--	2,728	2,689
Illinois	307	319	-3.5%	--	--	8	*	--	--	300	318
Indiana	2,231	2,183	2.2%	--	--	--	--	--	--	2,231	2,183
Michigan	315	269	16.9%	--	--	315	269	--	--	--	--
Ohio	229	304	-24.7%	--	--	31	116	--	--	197	188
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	40	39	1.6%	--	--	--	--	--	--	40	39
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	40	39	1.6%	--	--	--	--	--	--	40	39
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	459	400	14.8%	--	--	--	--	--	--	459	400
Delaware	244	208	17.0%	--	--	--	--	--	--	244	208
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	6	6	-2.2%	--	--	--	--	--	--	6	6
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	177	155	14.8%	--	--	--	--	--	--	177	155
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	32	30	3.8%	--	--	--	--	--	--	32	30
East South Central	211	308	-31.5%	--	--	--	--	--	--	211	308
Alabama	196	292	-32.6%	--	--	--	--	--	--	196	292
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	15	17	-12.3%	--	--	--	--	--	--	15	17
West South Central	4,290	4,682	-8.4%	--	--	1,899	2,180	--	--	2,392	2,503
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,301	1,292	0.7%	--	--	266	255	--	--	1,035	1,037
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	2,989	3,390	-11.8%	--	--	1,633	1,925	--	--	1,357	1,465
Mountain	318	305	4.4%	--	--	7	7	--	--	311	298
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	*	*	-30.0%	--	--	*	*	--	--	--	--
Nevada	7	7	0.9%	--	--	7	7	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	29	33	-10.2%	--	--	--	--	--	--	29	33
Wyoming	282	265	6.4%	--	--	--	--	--	--	282	265
Pacific Contiguous	2,002	1,964	1.9%	10	29	405	297	--	--	1,586	1,638
California	1,596	1,667	-4.2%	10	29	--	--	--	--	1,586	1,638
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	405	297	36.4%	--	--	405	297	--	--	--	--
Pacific Noncontiguous	35	38	-7.3%	--	--	--	--	--	--	35	38
Alaska	NM	3	NM	--	--	--	--	--	--	NM	3
Hawaii	32	35	-7.8%	--	--	--	--	--	--	32	35
U.S. Total	11,212	11,566	-3.1%	10	29	2,708	2,911	NM	3	8,490	8,624

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	3,449	3,215	7.3%	--	--	3,449	3,215	--	--	--	--
Connecticut	1,569	1,572	-0.2%	--	--	1,569	1,572	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	507	441	14.9%	--	--	507	441	--	--	--	--
New Hampshire	916	737	24.3%	--	--	916	737	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	457	465	-1.7%	--	--	457	465	--	--	--	--
Middle Atlantic	13,837	13,892	-0.4%	--	--	13,837	13,892	--	--	--	--
New Jersey	3,038	3,135	-3.1%	--	--	3,038	3,135	--	--	--	--
New York	3,875	3,666	5.7%	--	--	3,875	3,666	--	--	--	--
Pennsylvania	6,923	7,092	-2.4%	--	--	6,923	7,092	--	--	--	--
East North Central	13,788	13,587	1.5%	1,626	2,401	12,162	11,187	--	--	--	--
Illinois	8,650	8,119	6.5%	--	--	8,650	8,119	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	2,231	2,963	-24.7%	1,626	2,401	605	562	--	--	--	--
Ohio	1,604	1,487	7.9%	--	--	1,604	1,487	--	--	--	--
Wisconsin	1,303	1,018	28.0%	--	--	1,303	1,018	--	--	--	--
West North Central	3,537	3,974	-11.0%	3,199	3,513	337	461	--	--	--	--
Iowa	337	461	-26.8%	--	--	337	461	--	--	--	--
Kansas	903	896	0.9%	903	896	--	--	--	--	--	--
Minnesota	832	1,103	-24.6%	832	1,103	--	--	--	--	--	--
Missouri	920	922	-0.2%	920	922	--	--	--	--	--	--
Nebraska	544	592	-8.2%	544	592	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	16,785	17,211	-2.5%	15,488	15,894	1,297	1,317	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,993	1,700	17.3%	1,993	1,700	--	--	--	--	--	--
Georgia	3,092	2,897	6.7%	3,092	2,897	--	--	--	--	--	--
Maryland	1,297	1,317	-1.5%	--	--	1,297	1,317	--	--	--	--
North Carolina	3,723	3,746	-0.6%	3,723	3,746	--	--	--	--	--	--
South Carolina	4,001	4,834	-17.2%	4,001	4,834	--	--	--	--	--	--
Virginia	2,678	2,717	-1.4%	2,678	2,717	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	5,922	7,170	-17.4%	5,922	7,170	--	--	--	--	--	--
Alabama	3,556	3,709	-4.1%	3,556	3,709	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	671	883	-24.0%	671	883	--	--	--	--	--	--
Tennessee	1,695	2,579	-34.3%	1,695	2,579	--	--	--	--	--	--
West South Central	5,937	5,668	4.8%	2,091	2,854	3,846	2,813	--	--	--	--
Arkansas	1,389	1,371	1.3%	1,389	1,371	--	--	--	--	--	--
Louisiana	702	1,483	-52.7%	702	1,483	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	3,846	2,813	36.7%	--	--	3,846	2,813	--	--	--	--
Mountain	2,970	2,962	0.3%	2,970	2,962	--	--	--	--	--	--
Arizona	2,970	2,962	0.3%	2,970	2,962	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	2,359	4,158	-43.3%	2,359	4,158	--	--	--	--	--	--
California	1,524	3,325	-54.2%	1,524	3,325	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	836	833	0.4%	836	833	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	68,584	71,837	-4.5%	33,656	38,952	34,928	32,885	--	--	--	--

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	36,116	34,283	5.3%	--	--	36,116	34,283	--	--	--	--
Connecticut	17,078	15,928	7.2%	--	--	17,078	15,928	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	5,860	5,085	15.2%	--	--	5,860	5,085	--	--	--	--
New Hampshire	8,189	8,363	-2.1%	--	--	8,189	8,363	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	4,989	4,907	1.7%	--	--	4,989	4,907	--	--	--	--
Middle Atlantic	149,059	152,448	-2.2%	--	--	149,059	152,448	--	--	--	--
New Jersey	33,110	33,606	-1.5%	--	--	33,110	33,606	--	--	--	--
New York	40,775	42,695	-4.5%	--	--	40,775	42,695	--	--	--	--
Pennsylvania	75,174	76,147	-1.3%	--	--	75,174	76,147	--	--	--	--
East North Central	155,808	155,162	0.4%	22,842	26,248	132,966	128,914	--	--	--	--
Illinois	96,401	95,823	0.6%	--	--	96,401	95,823	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	28,020	32,889	-14.8%	22,842	26,248	5,178	6,641	--	--	--	--
Ohio	17,087	14,890	14.8%	--	--	17,087	14,890	--	--	--	--
Wisconsin	14,300	11,560	23.7%	--	--	14,300	11,560	--	--	--	--
West North Central	41,096	40,797	0.7%	36,749	35,582	4,347	5,215	--	--	--	--
Iowa	4,347	5,215	-16.6%	--	--	4,347	5,215	--	--	--	--
Kansas	8,285	7,319	13.2%	8,285	7,319	--	--	--	--	--	--
Minnesota	11,944	11,959	-0.1%	11,944	11,959	--	--	--	--	--	--
Missouri	10,718	9,371	14.4%	10,718	9,371	--	--	--	--	--	--
Nebraska	5,802	6,933	-16.3%	5,802	6,933	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	184,645	187,696	-1.6%	171,066	173,299	13,579	14,397	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	17,870	22,015	-18.8%	17,870	22,015	--	--	--	--	--	--
Georgia	33,942	32,306	5.1%	33,942	32,306	--	--	--	--	--	--
Maryland	13,579	14,397	-5.7%	--	--	13,579	14,397	--	--	--	--
North Carolina	39,386	40,527	-2.8%	39,386	40,527	--	--	--	--	--	--
South Carolina	51,145	52,903	-3.3%	51,145	52,903	--	--	--	--	--	--
Virginia	28,723	25,548	12.4%	28,723	25,548	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	73,239	76,612	-4.4%	73,239	76,612	--	--	--	--	--	--
Alabama	40,841	39,356	3.8%	40,841	39,356	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	7,296	10,337	-29.4%	7,296	10,337	--	--	--	--	--	--
Tennessee	25,102	26,919	-6.8%	25,102	26,919	--	--	--	--	--	--
West South Central	69,593	70,458	-1.2%	31,152	30,809	38,441	39,648	--	--	--	--
Arkansas	15,493	14,194	9.1%	15,493	14,194	--	--	--	--	--	--
Louisiana	15,659	16,615	-5.8%	15,659	16,615	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	38,441	39,648	-3.0%	--	--	38,441	39,648	--	--	--	--
Mountain	31,934	31,278	2.1%	31,934	31,278	--	--	--	--	--	--
Arizona	31,934	31,278	2.1%	31,934	31,278	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	27,841	41,470	-32.9%	27,841	41,470	--	--	--	--	--	--
California	18,507	36,663	-49.5%	18,507	36,663	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	9,334	4,806	94.2%	9,334	4,806	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	769,331	790,204	-2.6%	394,823	415,298	374,509	374,906	--	--	--	--

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	660	819	-19.5%	90	116	503	627	NM	1	67	76
Connecticut	40	51	-21.3%	NM	5	36	46	--	--	--	--
Maine	311	358	-13.1%	--	--	247	286	--	--	64	72
Massachusetts	88	135	-35.0%	NM	33	67	100	NM	1	NM	1
New Hampshire	119	125	-5.2%	32	30	86	94	--	--	NM	*
Rhode Island	NM	1	NM	--	--	NM	1	--	--	--	--
Vermont	102	150	-32.0%	34	48	66	100	--	--	NM	3
Middle Atlantic	2,295	3,078	-25.4%	1,799	2,406	491	664	NM	1	NM	7
New Jersey	NM	2	NM	--	--	NM	2	--	--	--	--
New York	2,058	2,721	-24.4%	1,678	2,208	374	505	NM	1	NM	7
Pennsylvania	235	355	-33.6%	120	198	115	156	--	--	--	--
East North Central	339	255	33.2%	303	226	NM	19	NM	--	NM	10
Illinois	NM	11	NM	NM	4	NM	8	NM	--	--	--
Indiana	32	19	69.0%	32	19	--	--	--	--	--	--
Michigan	104	109	-4.1%	94	99	NM	8	--	--	NM	2
Ohio	28	14	95.2%	28	14	--	--	--	--	--	--
Wisconsin	168	101	65.6%	147	90	NM	4	NM	--	NM	7
West North Central	704	919	-23.4%	679	903	NM	11	--	--	NM	6
Iowa	80	63	25.8%	79	63	NM	1	--	--	--	--
Kansas	NM	1	NM	--	--	NM	1	--	--	--	--
Minnesota	NM	36	NM	NM	21	NM	9	--	--	NM	6
Missouri	20	79	-74.7%	20	79	--	--	--	--	--	--
Nebraska	134	111	21.2%	134	111	--	--	--	--	--	--
North Dakota	154	193	-20.1%	154	193	--	--	--	--	--	--
South Dakota	256	436	-41.3%	256	436	--	--	--	--	--	--
South Atlantic	888	1,475	-39.8%	570	1,035	242	371	NM	1	75	68
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	20	NM	NM	20	--	--	--	--	--	--
Georgia	180	199	-9.2%	178	197	NM	1	--	--	NM	1
Maryland	185	310	-40.4%	--	--	185	310	--	--	--	--
North Carolina	232	555	-58.2%	192	551	NM	3	NM	1	38	*
South Carolina	105	101	4.0%	102	98	NM	3	--	*	--	--
Virginia	58	124	-53.0%	53	116	NM	7	--	--	NM	1
West Virginia	115	166	-30.6%	32	53	48	47	--	--	35	66
East South Central	1,661	2,845	-41.6%	1,616	2,844	NM	1	--	--	44	--
Alabama	735	1,275	-42.4%	735	1,275	--	--	--	--	--	--
Kentucky	246	322	-23.4%	246	321	NM	1	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	680	1,249	-45.5%	636	1,249	--	--	--	--	44	--
West South Central	191	656	-70.9%	151	535	40	121	--	--	--	--
Arkansas	88	395	-77.6%	85	390	NM	5	--	--	--	--
Louisiana	34	115	-70.2%	--	--	34	115	--	--	--	--
Oklahoma	38	137	-72.4%	38	137	--	--	--	--	--	--
Texas	31	10	222.8%	28	9	NM	1	--	--	--	--
Mountain	2,827	2,497	13.2%	2,428	2,181	399	316	--	--	--	--
Arizona	480	689	-30.3%	480	689	--	--	--	--	--	--
Colorado	142	18	675.6%	129	17	NM	1	--	--	--	--
Idaho	860	597	44.1%	816	571	NM	26	--	--	--	--
Montana	1,057	932	13.4%	721	648	336	284	--	--	--	--
Nevada	143	148	-2.9%	140	145	NM	3	--	--	--	--
New Mexico	NM	12	NM	NM	12	--	--	--	--	--	--
Utah	100	78	28.0%	99	77	NM	1	--	--	--	--
Wyoming	31	23	34.8%	31	23	NM	*	--	--	--	--
Pacific Contiguous	13,547	11,018	23.0%	13,407	10,900	139	117	NM	*	NM	*
California	1,906	1,776	7.3%	1,816	1,699	90	77	NM	*	--	--
Oregon	3,643	3,030	20.3%	3,618	3,007	NM	22	--	--	--	--
Washington	7,997	6,212	28.7%	7,974	6,194	NM	18	--	--	NM	*
Pacific Noncontiguous	136	170	-19.8%	129	153	3	5	--	--	NM	11
Alaska	127	149	-14.7%	127	149	--	--	--	--	--	--
Hawaii	NM	21	NM	NM	4	3	5	--	--	NM	11
U.S. Total	23,248	23,732	-2.0%	21,171	21,300	1,855	2,252	NM	2	218	178

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	7,464	8,732	-14.5%	997	1,148	5,747	6,795	NM	6	715	783
Connecticut	472	567	-16.7%	NM	53	429	514	--	--	--	--
Maine	3,527	3,979	-11.4%	--	--	2,841	3,231	--	--	685	748
Massachusetts	969	1,149	-15.6%	233	281	726	856	NM	6	NM	6
New Hampshire	1,294	1,605	-19.4%	331	359	959	1,241	--	--	NM	5
Rhode Island	NM	7	NM	--	--	NM	7	--	--	--	--
Vermont	1,195	1,425	-16.1%	388	455	786	945	--	--	NM	24
Middle Atlantic	27,399	31,239	-12.3%	21,811	24,556	5,520	6,603	NM	6	63	75
New Jersey	NM	24	NM	--	--	NM	24	--	--	--	--
New York	25,058	27,997	-10.5%	20,771	22,801	4,220	5,116	NM	6	63	75
Pennsylvania	2,313	3,217	-28.1%	1,040	1,755	1,273	1,462	--	--	--	--
East North Central	4,260	4,437	-4.0%	3,854	3,979	227	276	NM	--	166	183
Illinois	98	140	-30.2%	NM	47	59	93	NM	--	--	--
Indiana	456	409	11.6%	456	409	--	--	--	--	--	--
Michigan	1,305	1,357	-3.8%	1,189	1,231	90	97	--	--	NM	29
Ohio	381	384	-0.8%	381	384	--	--	--	--	--	--
Wisconsin	2,020	2,147	-5.9%	1,789	1,909	78	85	NM	--	139	153
West North Central	12,242	13,677	-10.5%	11,935	13,377	202	183	--	--	105	117
Iowa	821	925	-11.2%	814	917	NM	8	--	--	--	--
Kansas	NM	15	NM	--	--	NM	15	--	--	--	--
Minnesota	738	746	-1.0%	451	469	182	160	--	--	105	117
Missouri	721	1,185	-39.1%	721	1,185	--	--	--	--	--	--
Nebraska	1,507	1,617	-6.8%	1,507	1,617	--	--	--	--	--	--
North Dakota	2,477	2,580	-4.0%	2,477	2,580	--	--	--	--	--	--
South Dakota	5,964	6,608	-9.7%	5,964	6,608	--	--	--	--	--	--
South Atlantic	11,395	13,545	-15.9%	8,536	9,825	2,202	3,121	NM	10	647	590
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	154	182	-15.6%	154	182	--	--	--	--	--	--
Georgia	2,331	2,705	-13.8%	2,305	2,679	NM	7	--	--	NM	19
Maryland	1,664	2,547	-34.7%	--	--	1,664	2,547	--	--	--	--
North Carolina	3,517	3,893	-9.7%	3,394	3,859	NM	24	NM	10	92	1
South Carolina	1,396	1,554	-10.2%	1,359	1,511	36	43	NM	*	--	--
Virginia	1,007	1,210	-16.8%	941	1,132	56	68	--	--	NM	11
West Virginia	1,327	1,453	-8.7%	383	462	418	433	--	--	526	559
East South Central	17,545	21,429	-18.1%	17,429	21,419	NM	10	--	--	107	--
Alabama	7,157	8,884	-19.4%	7,157	8,884	--	--	--	--	--	--
Kentucky	2,376	2,969	-20.0%	2,368	2,960	NM	10	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	8,012	9,576	-16.3%	7,904	9,576	--	--	--	--	107	--
West South Central	4,497	6,072	-25.9%	3,746	4,949	750	1,123	--	--	--	--
Arkansas	2,168	2,958	-26.7%	2,131	2,919	NM	39	--	--	--	--
Louisiana	680	1,044	-34.9%	--	--	680	1,044	--	--	--	--
Oklahoma	1,136	1,507	-24.6%	1,136	1,507	--	--	--	--	--	--
Texas	512	563	-9.1%	479	523	NM	40	--	--	--	--
Mountain	36,460	42,097	-13.4%	31,674	37,070	4,786	5,026	--	--	--	--
Arizona	6,729	9,174	-26.6%	6,729	9,174	--	--	--	--	--	--
Colorado	2,004	2,083	-3.8%	1,828	1,915	176	167	--	--	--	--
Idaho	11,750	13,405	-12.3%	10,840	12,470	910	934	--	--	--	--
Montana	11,304	12,596	-10.3%	7,667	8,740	3,637	3,856	--	--	--	--
Nevada	2,439	2,191	11.4%	2,397	2,144	NM	46	--	--	--	--
New Mexico	201	195	3.0%	201	195	--	--	--	--	--	--
Utah	1,138	1,230	-7.5%	1,126	1,217	NM	13	--	--	--	--
Wyoming	895	1,224	-26.9%	886	1,214	NM	10	--	--	--	--
Pacific Contiguous	153,750	176,690	-13.0%	151,870	173,726	1,871	2,956	NM	5	NM	3
California	25,960	42,557	-39.0%	24,610	40,157	1,344	2,396	NM	5	--	--
Oregon	39,257	42,315	-7.2%	38,974	42,017	282	298	--	--	--	--
Washington	88,533	91,818	-3.6%	88,286	91,552	244	263	--	--	NM	3
Pacific Noncontiguous	1,524	1,438	6.0%	1,452	1,365	27	25	--	--	NM	49
Alaska	1,434	1,345	6.6%	1,434	1,345	--	--	--	--	--	--
Hawaii	90	93	-3.3%	NM	20	27	25	--	--	NM	49
U.S. Total	276,535	319,355	-13.4%	253,304	291,413	21,340	26,117	NM	26	1,851	1,799

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	862	743	16.0%	79	58	567	502	NM	9	205	174
Connecticut	54	61	-11.9%	--	--	54	61	--	--	--	--
Maine	477	415	14.9%	--	--	263	234	NM	8	205	174
Massachusetts	120	115	4.1%	NM	7	113	107	NM	NM	--	--
New Hampshire	133	96	38.0%	33	30	100	66	--	--	NM	*
Rhode Island	11	12	-5.8%	--	--	11	12	--	--	--	--
Vermont	67	43	55.2%	41	20	26	23	NM	*	--	--
Middle Atlantic	1,139	975	16.9%	NM	1	1,008	876	53	42	76	55
New Jersey	98	89	10.6%	NM	1	72	64	24	24	NM	--
New York	537	496	8.4%	--	--	495	466	NM	9	25	21
Pennsylvania	503	390	29.1%	--	--	441	346	11	9	51	34
East North Central	2,208	1,727	27.9%	197	119	1,842	1,438	22	15	147	155
Illinois	997	725	37.5%	NM	1	995	723	--	*	--	--
Indiana	388	323	20.2%	26	24	357	295	NM	2	NM	2
Michigan	374	274	36.3%	64	1	239	203	19	12	53	58
Ohio	173	134	28.8%	NM	2	138	96	NM	--	33	37
Wisconsin	277	271	2.5%	104	90	112	121	NM	1	59	58
West North Central	3,664	3,431	6.8%	1,138	1,082	2,465	2,294	NM	7	54	48
Iowa	1,340	1,179	13.6%	726	608	610	568	NM	3	1	1
Kansas	670	329	103.7%	57	86	613	243	--	--	--	--
Minnesota	788	887	-11.2%	182	175	551	662	NM	3	52	46
Missouri	115	103	12.4%	NM	3	112	99	--	--	NM	*
Nebraska	146	128	14.6%	24	29	121	98	NM	1	--	--
North Dakota	391	548	-28.7%	96	125	294	422	--	--	NM	1
South Dakota	214	257	-16.8%	50	56	164	201	--	--	--	--
South Atlantic	1,519	1,558	-2.5%	84	84	572	585	32	27	831	862
Delaware	8	13	-36.4%	NM	*	8	12	NM	1	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	416	415	0.3%	16	12	206	211	NM	4	191	188
Georgia	301	297	1.3%	--	--	15	12	NM	1	284	284
Maryland	88	87	2.0%	NM	*	71	68	NM	5	11	14
North Carolina	205	212	-3.3%	NM	*	86	91	--	--	118	120
South Carolina	164	204	-19.6%	39	42	NM	2	--	--	123	160
Virginia	203	198	2.7%	29	31	51	55	19	16	104	95
West Virginia	133	133	0.5%	--	--	133	133	--	--	--	--
East South Central	510	494	3.3%	9	5	25	27	--	--	477	462
Alabama	280	236	18.8%	NM	--	16	19	--	--	264	216
Kentucky	31	41	-25.7%	9	5	--	--	--	--	22	36
Mississippi	104	123	-15.9%	*	*	--	--	--	--	104	123
Tennessee	96	94	2.3%	--	--	9	8	--	--	87	86
West South Central	4,705	3,521	33.6%	187	76	4,062	2,983	NM	4	452	457
Arkansas	154	143	8.0%	--	--	NM	4	NM	*	146	138
Louisiana	198	220	-10.0%	--	--	7	6	--	--	191	214
Oklahoma	1,049	512	104.8%	156	42	866	440	--	--	26	30
Texas	3,305	2,646	24.9%	31	34	3,182	2,533	NM	4	88	76
Mountain	2,383	1,868	27.6%	297	273	2,052	1,551	NM	3	31	41
Arizona	119	56	115.1%	NM	12	110	43	NM	1	--	--
Colorado	637	569	12.0%	7	7	628	560	NM	1	NM	*
Idaho	291	164	77.3%	16	--	243	123	--	--	31	40
Montana	162	164	-1.5%	8	13	153	151	--	--	--	--
Nevada	321	202	58.5%	--	--	320	201	NM	1	NM	*
New Mexico	254	172	47.4%	--	--	254	172	NM	*	--	--
Utah	115	65	76.2%	25	25	90	40	--	--	--	--
Wyoming	485	476	1.8%	232	216	253	260	--	--	--	--
Pacific Contiguous	3,930	2,788	41.0%	594	378	3,041	2,104	98	85	196	221
California	2,517	1,989	26.6%	153	118	2,206	1,717	96	82	63	71
Oregon	623	283	120.0%	78	52	511	197	NM	2	32	32
Washington	790	516	53.1%	364	209	325	190	--	--	101	117
Pacific Noncontiguous	82	81	1.2%	NM	3	55	64	14	15	NM	*
Alaska	NM	2	NM	NM	2	--	--	--	--	NM	*
Hawaii	80	79	1.5%	1	1	55	64	14	15	NM	--
U.S. Total	21,004	17,185	22.2%	2,590	2,079	15,690	12,425	245	207	2,479	2,474

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	8,834	8,015	10.2%	667	574	5,935	5,352	125	104	2,107	1,985
Connecticut	688	660	4.3%	--	--	688	660	--	--	--	--
Maine	4,795	4,495	6.7%	--	--	2,580	2,421	109	89	2,107	1,985
Massachusetts	1,322	1,207	9.5%	71	48	1,236	1,145	14	13	--	--
New Hampshire	1,383	1,091	26.8%	347	291	1,036	800	--	--	NM	*
Rhode Island	129	130	-0.8%	--	--	129	130	--	--	--	--
Vermont	516	433	19.3%	249	235	266	196	NM	2	--	--
Middle Atlantic	11,139	9,950	11.9%	53	19	9,780	8,766	540	476	766	689
New Jersey	1,284	956	34.3%	53	19	947	690	281	246	NM	--
New York	5,181	4,896	5.8%	--	--	4,797	4,559	131	110	253	226
Pennsylvania	4,674	4,099	14.0%	--	--	4,036	3,516	128	120	510	463
East North Central	20,423	17,149	19.1%	1,850	1,137	16,645	14,107	248	194	1,680	1,711
Illinois	8,413	6,865	22.5%	15	11	8,398	6,854	NM	*	--	1
Indiana	3,511	3,621	-3.0%	305	295	3,162	3,284	23	21	21	20
Michigan	3,556	2,962	20.0%	313	5	2,410	2,116	211	158	622	683
Ohio	1,710	936	82.7%	17	16	1,310	536	NM	--	383	384
Wisconsin	3,233	2,765	16.9%	1,201	810	1,364	1,317	14	15	655	624
West North Central	39,432	33,325	18.3%	12,537	9,852	26,282	22,844	80	78	533	552
Iowa	14,107	10,870	29.8%	7,468	5,149	6,592	5,671	35	34	12	15
Kansas	5,179	3,779	37.1%	852	1,018	4,327	2,761	--	--	--	--
Minnesota	9,261	8,406	10.2%	1,991	1,741	6,728	6,113	32	30	510	522
Missouri	1,307	1,240	5.4%	35	35	1,269	1,201	--	--	NM	4
Nebraska	1,342	1,116	20.2%	256	280	1,072	822	14	14	--	--
North Dakota	5,323	5,245	1.5%	1,267	1,120	4,049	4,116	--	--	7	10
South Dakota	2,914	2,668	9.2%	668	509	2,246	2,160	--	--	--	--
South Atlantic	17,063	16,621	2.7%	1,090	1,027	6,295	6,008	348	305	9,330	9,281
Delaware	142	158	-9.8%	NM	*	134	153	NM	5	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,699	4,670	0.6%	245	188	2,356	2,371	40	39	2,057	2,073
Georgia	3,357	3,190	5.2%	--	*	162	165	28	23	3,166	3,001
Maryland	882	822	7.3%	NM	*	678	616	67	55	135	150
North Carolina	2,393	2,345	2.0%	NM	10	1,057	986	--	--	1,335	1,350
South Carolina	2,049	2,129	-3.8%	484	410	22	22	--	--	1,543	1,698
Virginia	2,255	2,196	2.7%	353	419	600	585	207	183	1,094	1,009
West Virginia	1,286	1,112	15.7%	*	*	1,286	1,112	--	--	--	--
East South Central	6,060	5,779	4.9%	99	96	259	312	--	--	5,701	5,371
Alabama	3,258	2,817	15.7%	NM	1	190	231	--	--	3,067	2,585
Kentucky	330	436	-24.4%	98	95	--	--	--	--	231	342
Mississippi	1,414	1,506	-6.1%	*	*	--	--	--	--	1,414	1,506
Tennessee	1,058	1,020	3.7%	--	--	69	81	--	--	989	939
West South Central	46,149	42,213	9.3%	1,914	794	39,124	36,075	44	43	5,067	5,300
Arkansas	1,684	1,668	1.0%	--	--	85	76	5	5	1,593	1,587
Louisiana	2,240	2,443	-8.3%	--	--	76	70	--	--	2,163	2,372
Oklahoma	8,531	5,919	44.1%	1,593	660	6,640	4,945	--	--	297	314
Texas	33,695	32,183	4.7%	321	134	32,322	30,984	39	38	1,014	1,027
Mountain	22,729	19,305	17.7%	2,591	2,636	19,666	16,185	68	60	403	424
Arizona	1,358	529	156.5%	161	65	1,188	457	9	7	--	--
Colorado	6,278	5,367	17.0%	67	73	6,186	5,273	21	18	NM	3
Idaho	2,408	1,892	27.3%	51	--	1,958	1,472	--	--	399	420
Montana	1,281	1,265	1.3%	94	99	1,187	1,166	--	--	--	--
Nevada	3,321	2,437	36.3%	--	--	3,287	2,404	34	32	NM	1
New Mexico	2,575	2,242	14.9%	--	--	2,571	2,238	NM	3	--	--
Utah	1,113	961	15.8%	269	278	844	683	--	--	--	--
Wyoming	4,394	4,612	-4.7%	1,949	2,120	2,445	2,491	--	--	--	--
Pacific Contiguous	46,021	40,727	13.0%	6,991	5,746	35,690	31,737	1,140	1,054	2,199	2,190
California	31,009	27,222	13.9%	1,944	1,658	27,233	23,858	1,114	1,031	718	675
Oregon	6,801	5,490	23.9%	1,375	789	5,068	4,314	26	24	333	363
Washington	8,212	8,014	2.5%	3,672	3,298	3,390	3,565	--	--	1,149	1,151
Pacific Noncontiguous	937	897	4.5%	36	51	631	568	153	161	117	116
Alaska	17	16	10.2%	14	12	--	--	--	--	NM	3
Hawaii	920	881	4.4%	22	39	631	568	153	161	114	112
U.S. Total	218,787	193,981	12.8%	27,830	21,933	160,308	141,954	2,746	2,476	27,903	27,619

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	-28	-26	7.9%	--	--	-28	-26	--	--	--	--
Connecticut	2	1	146.0%	--	--	2	1	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-29	-26	11.3%	--	--	-29	-26	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-70	-53	31.4%	-21	-20	-49	-33	--	--	--	--
New Jersey	-12	-15	-19.5%	-12	-15	--	--	--	--	--	--
New York	-8	-5	75.4%	-8	-5	--	--	--	--	--	--
Pennsylvania	-49	-33	48.8%	--	--	-49	-33	--	--	--	--
East North Central	-57	-56	2.6%	-57	-56	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-57	-56	2.6%	-57	-56	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	-8	3	-415.1%	-8	3	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	-8	3	-415.1%	-8	3	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-243	-205	18.6%	-243	-205	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-69	-65	6.0%	-69	-65	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-77	-46	65.8%	-77	-46	--	--	--	--	--	--
Virginia	-98	-94	4.2%	-98	-94	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	-17	-60	-71.3%	-17	-60	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-17	-60	-71.3%	-17	-60	--	--	--	--	--	--
West South Central	-10	-6	54.1%	-10	-6	--	--	--	--	--	--
Arkansas	1	4	-60.3%	1	4	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-11	-10	11.2%	-11	-10	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-23	-25	-6.8%	-23	-25	--	--	--	--	--	--
Arizona	-1	-11	-91.0%	-1	-11	--	--	--	--	--	--
Colorado	-23	-14	55.4%	-23	-14	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	-92	-67	36.6%	-92	-67	--	--	--	--	--	--
California	-92	-67	36.9%	-92	-67	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	*	*	-22.8%	*	*	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-549	-496	10.7%	-472	-437	-77	-59	--	--	--	--

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	-305	-435	-29.9%	--	--	-305	-435	--	--	--	--
Connecticut	3	6	-51.5%	--	--	3	6	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-308	-440	-30.1%	--	--	-308	-440	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-710	-675	5.3%	-269	-502	-442	-172	--	--	--	--
New Jersey	-166	-197	-15.6%	-166	-197	--	--	--	--	--	--
New York	-102	-306	-66.5%	-102	-306	--	--	--	--	--	--
Pennsylvania	-442	-172	156.3%	--	--	-442	-172	--	--	--	--
East North Central	-773	-945	-18.2%	-773	-945	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-773	-945	-18.2%	-773	-945	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	33	167	-80.0%	33	167	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	33	167	-80.0%	33	167	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-3,113	-3,080	1.1%	-3,113	-3,080	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-838	-709	18.2%	-838	-709	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-896	-890	0.7%	-896	-890	--	--	--	--	--	--
Virginia	-1,379	-1,481	-6.9%	-1,379	-1,481	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	-163	-660	-75.3%	-163	-660	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-163	-660	-75.3%	-163	-660	--	--	--	--	--	--
West South Central	-74	-119	-37.4%	-74	-119	--	--	--	--	--	--
Arkansas	42	34	23.2%	42	34	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-117	-153	-23.8%	-117	-153	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-165	-122	34.9%	-165	-122	--	--	--	--	--	--
Arizona	79	121	-34.4%	79	121	--	--	--	--	--	--
Colorado	-244	-243	0.4%	-244	-243	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	613	-37	NM	613	-37	--	--	--	--	--	--
California	569	-89	-741.3%	569	-89	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	44	52	-16.1%	44	52	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-4,658	-5,905	-21.1%	-3,911	-5,298	-746	-607	--	--	--	--

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	183	184	-0.2%	--	--	172	174	9	7	3	2
Connecticut	64	65	-2.1%	--	--	63	65	--	--	NM	*
Maine	36	35	3.1%	--	--	25	25	9	7	3	2
Massachusetts	77	78	-0.8%	--	--	77	78	--	--	--	--
New Hampshire	6	6	9.9%	--	--	6	6	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	209	219	-4.3%	--	--	171	178	38	30	--	11
New Jersey	47	59	-19.8%	--	--	34	34	13	14	--	11
New York	80	82	-2.4%	--	--	65	73	15	9	--	--
Pennsylvania	82	78	5.2%	--	--	73	70	9	8	--	--
East North Central	86	89	-3.5%	3	10	15	13	19	12	49	54
Illinois	23	27	-14.1%	--	--	--	--	--	--	23	27
Indiana	22	27	-17.6%	*	5	--	--	NM	1	20	20
Michigan	35	30	17.7%	--	2	15	13	17	11	3	3
Ohio	1	2	-38.5%	--	--	--	--	--	--	1	2
Wisconsin	6	5	15.7%	3	3	--	--	NM	*	NM	2
West North Central	38	36	6.2%	18	17	14	14	NM	2	4	4
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	32	31	3.5%	12	12	14	14	NM	2	4	4
Missouri	2	1	79.0%	2	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	4	4	5.6%	4	4	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	374	416	-10.1%	--	*	199	197	17	15	158	204
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	277	286	-3.2%	--	--	136	131	--	--	141	155
Georgia	6	3	96.0%	--	--	--	--	--	--	6	3
Maryland	29	26	11.3%	--	--	29	26	NM	*	--	--
North Carolina	10	52	-81.0%	--	--	10	12	--	--	--	41
South Carolina	12	5	128.3%	--	--	--	--	--	--	12	5
Virginia	41	44	-6.4%	--	--	24	28	16	15	--	*
West Virginia	--	*	-100.0%	--	*	--	--	--	--	--	*
East South Central	NM	32	NM	*	*	--	--	--	--	NM	32
Alabama	--	31	-100.0%	--	--	--	--	--	--	--	31
Kentucky	*	*	50.7%	*	*	--	--	--	--	--	--
Mississippi	NM	*	NM	--	--	--	--	--	--	NM	*
Tennessee	*	*	142.8%	--	--	--	--	--	--	*	*
West South Central	65	70	-7.3%	--	--	--	--	--	--	65	70
Arkansas	3	2	8.6%	--	--	--	--	--	--	3	2
Louisiana	26	45	-43.5%	--	--	--	--	--	--	26	45
Oklahoma	NM	*	NM	--	--	--	--	--	--	NM	*
Texas	36	22	63.2%	--	--	--	--	--	--	36	22
Mountain	50	72	-29.5%	4	4	26	36	--	--	21	32
Arizona	*	*	331.4%	--	--	*	*	--	--	--	--
Colorado	6	6	-8.3%	--	--	NM	1	--	--	4	5
Idaho	--	7	-100.0%	--	--	--	--	--	--	--	7
Montana	24	34	-28.6%	--	--	24	34	--	--	--	--
Nevada	4	4	-2.0%	4	4	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	17	14	21.1%	--	--	NM	*	--	--	17	14
Wyoming	--	7	-100.0%	--	--	--	--	--	--	--	7
Pacific Contiguous	81	104	-21.9%	--	--	30	29	--	*	51	75
California	61	84	-27.9%	--	--	19	18	--	*	41	66
Oregon	4	5	-14.8%	--	--	4	4	--	--	--	1
Washington	16	15	10.5%	--	--	7	6	--	--	9	8
Pacific Noncontiguous	14	33	-58.5%	--	19	--	--	14	14	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	14	33	-58.5%	--	19	--	--	14	14	--	--
U.S. Total	1,101	1,254	-12.1%	26	49	628	639	98	81	350	483

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	2,131	2,019	5.6%	--	--	2,005	1,888	94	84	32	46
Connecticut	772	705	9.6%	--	--	771	704	--	--	NM	1
Maine	387	390	-0.8%	--	--	262	261	94	84	31	45
Massachusetts	901	860	4.8%	--	--	901	860	--	--	--	--
New Hampshire	70	64	9.3%	--	--	70	64	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	2,397	2,441	-1.8%	--	--	2,028	1,975	368	344	--	122
New Jersey	538	644	-16.4%	--	--	391	383	147	138	--	122
New York	933	905	3.0%	--	--	818	799	115	106	--	--
Pennsylvania	926	893	3.8%	--	--	819	792	107	100	--	--
East North Central	1,071	1,095	-2.3%	121	133	164	163	210	166	576	633
Illinois	245	299	-17.9%	--	--	--	6	--	--	245	293
Indiana	345	369	-6.5%	57	76	--	--	19	19	269	274
Michigan	405	363	11.5%	25	26	164	157	191	146	25	34
Ohio	12	10	19.2%	--	--	--	--	--	--	12	10
Wisconsin	64	54	17.5%	39	31	--	--	NM	*	24	23
West North Central	411	428	-4.0%	225	213	121	150	25	24	39	41
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	348	362	-3.9%	163	148	121	150	25	23	39	41
Missouri	20	21	-7.6%	20	21	--	--	--	*	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	43	44	-3.0%	43	44	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	4,067	4,735	-14.1%	--	*	2,198	2,183	191	177	1,678	2,375
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3,034	3,385	-10.4%	--	--	1,505	1,486	--	--	1,529	1,899
Georgia	52	28	86.2%	--	--	--	--	--	--	52	28
Maryland	296	299	-0.8%	--	--	296	298	NM	*	--	--
North Carolina	114	493	-76.9%	--	--	114	106	--	--	--	387
South Carolina	97	60	61.5%	--	--	--	--	--	--	97	60
Virginia	474	470	0.7%	--	--	283	293	190	176	--	1
West Virginia	--	*	-100.0%	--	*	--	--	--	--	--	*
East South Central	11	396	-97.1%	8	9	--	--	--	--	NM	387
Alabama	*	383	-100.0%	--	--	--	--	--	--	*	383
Kentucky	8	9	-9.8%	8	9	--	--	--	--	--	--
Mississippi	NM	3	NM	--	--	--	--	--	--	NM	3
Tennessee	1	1	-45.5%	--	--	--	--	--	--	1	1
West South Central	760	792	-4.1%	--	--	--	--	--	--	760	792
Arkansas	30	32	-6.2%	--	--	--	--	--	--	30	32
Louisiana	325	440	-26.2%	--	--	--	--	--	--	325	440
Oklahoma	8	2	415.5%	--	--	--	--	--	--	8	2
Texas	397	319	24.4%	--	--	--	--	--	--	397	319
Mountain	561	753	-25.5%	42	38	345	367	--	--	174	348
Arizona	24	15	65.8%	--	--	24	15	--	--	--	--
Colorado	64	63	0.3%	--	--	18	15	--	--	45	48
Idaho	--	78	-100.0%	--	--	--	--	--	--	--	78
Montana	298	333	-10.5%	--	--	298	333	--	--	--	--
Nevada	42	38	11.8%	42	38	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	133	165	-19.3%	--	--	4	5	--	--	128	160
Wyoming	--	62	-100.0%	--	--	--	--	--	--	--	62
Pacific Contiguous	911	1,128	-19.3%	--	--	344	332	--	*	566	796
California	704	917	-23.2%	--	--	219	219	--	*	485	698
Oregon	46	51	-10.5%	--	--	46	43	--	--	--	9
Washington	161	160	0.5%	--	--	80	70	--	--	81	90
Pacific Noncontiguous	147	366	-59.9%	--	211	*	--	147	155	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	147	366	-59.9%	--	211	*	--	147	155	--	--
U.S. Total	12,466	14,154	-11.9%	397	604	7,205	7,059	1,036	950	3,828	5,541

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	159	99	60.7%	10	8	147	90	NM	NM	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	102	73	40.3%	--	--	102	73	--	--	--	--
Massachusetts	13	9	47.1%	NM	7	6	1	NM	NM	--	--
New Hampshire	29	7	313.7%	--	--	29	7	--	--	--	--
Rhode Island	NM	*	NM	--	--	NM	*	--	--	--	--
Vermont	15	11	44.6%	6	1	10	9	--	--	--	--
Middle Atlantic	631	492	28.1%	--	--	630	492	--	--	NM	--
New Jersey	NM	1	NM	--	--	NM	1	--	--	--	--
New York	353	304	16.3%	--	--	352	304	--	--	NM	--
Pennsylvania	276	187	47.5%	--	--	276	187	--	--	--	--
East North Central	1,695	1,220	38.9%	148	71	1,545	1,148	NM	*	NM	*
Illinois	936	672	39.2%	NM	1	935	671	--	--	--	--
Indiana	357	295	21.1%	--	--	357	295	NM	*	--	--
Michigan	165	62	165.8%	64	1	101	61	--	--	--	--
Ohio	112	62	80.0%	NM	2	109	60	--	--	NM	*
Wisconsin	125	128	-2.8%	82	67	43	61	--	--	--	--
West North Central	3,471	3,249	6.8%	1,093	1,043	2,375	2,203	NM	3	--	--
Iowa	1,326	1,167	13.6%	724	606	602	561	NM	*	--	--
Kansas	665	324	105.3%	57	86	608	238	--	--	--	--
Minnesota	625	733	-14.8%	147	145	476	585	NM	3	--	--
Missouri	110	98	12.6%	--	--	110	98	--	--	--	--
Nebraska	141	122	15.1%	19	24	121	98	--	--	--	--
North Dakota	390	547	-28.7%	96	125	294	422	--	--	--	--
South Dakota	214	257	-16.8%	50	56	164	201	--	--	--	--
South Atlantic	170	169	0.9%	--	--	170	168	NM	1	--	--
Delaware	NM	1	NM	--	--	--	--	NM	1	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	37	37	0.1%	--	--	37	37	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	133	132	1.3%	--	--	133	132	--	--	--	--
East South Central	7	6	8.5%	--	--	7	6	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	7	6	8.5%	--	--	7	6	--	--	--	--
West South Central	4,179	2,990	39.8%	187	76	3,992	2,914	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	1,023	482	111.9%	156	42	866	440	--	--	--	--
Texas	3,157	2,507	25.9%	31	34	3,126	2,473	--	--	--	--
Mountain	1,892	1,496	26.4%	264	236	1,627	1,259	NM	1	NM	*
Arizona	24	10	145.1%	--	--	24	10	--	--	--	--
Colorado	624	556	12.2%	7	7	615	548	NM	1	NM	*
Idaho	244	108	126.2%	16	--	228	108	--	--	--	--
Montana	162	164	-1.5%	8	13	153	151	--	--	--	--
Nevada	41	--	--	--	--	41	--	--	--	--	--
New Mexico	234	152	53.6%	--	--	233	152	NM	*	--	--
Utah	79	30	160.4%	--	--	79	30	--	--	--	--
Wyoming	485	476	1.8%	232	216	253	260	--	--	--	--
Pacific Contiguous	1,934	888	117.8%	458	224	1,476	664	--	--	--	--
California	743	325	128.4%	51	19	692	306	--	--	--	--
Oregon	539	221	143.9%	72	46	467	175	--	--	--	--
Washington	652	342	90.9%	335	159	317	183	--	--	--	--
Pacific Noncontiguous	36	46	-22.5%	NM	2	34	44	--	--	--	--
Alaska	NM	2	NM	NM	2	--	--	--	--	--	--
Hawaii	34	44	-22.7%	--	--	34	44	--	--	--	--
U.S. Total	14,175	10,656	33.0%	2,162	1,659	12,005	8,990	NM	6	NM	1

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	1,343	870	54.3%	84	55	1,247	806	12	9	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	884	707	25.2%	--	--	884	707	--	--	--	--
Massachusetts	85	61	39.1%	58	44	15	8	12	9	--	--
New Hampshire	260	66	293.8%	--	--	260	66	--	--	--	--
Rhode Island	NM	3	NM	--	--	NM	3	--	--	--	--
Vermont	109	33	229.0%	26	11	83	22	--	--	--	--
Middle Atlantic	5,254	4,633	13.4%	--	--	5,245	4,633	--	--	NM	--
New Jersey	13	11	22.3%	--	--	13	11	--	--	--	--
New York	3,033	2,828	7.2%	--	--	3,024	2,828	--	--	NM	--
Pennsylvania	2,208	1,794	23.1%	--	--	2,208	1,794	--	--	--	--
East North Central	14,514	11,341	28.0%	1,283	602	13,216	10,736	NM	1	13	2
Illinois	7,708	6,213	24.1%	15	11	7,693	6,202	--	--	--	--
Indiana	3,163	3,285	-3.7%	--	--	3,161	3,284	NM	1	--	--
Michigan	1,108	456	142.7%	312	3	796	454	--	--	--	--
Ohio	988	198	397.9%	16	14	959	182	--	--	13	2
Wisconsin	1,546	1,188	30.2%	941	574	605	614	--	--	--	--
West North Central	37,342	31,288	19.3%	12,056	9,376	25,259	21,885	27	26	--	--
Iowa	13,945	10,709	30.2%	7,439	5,122	6,502	5,583	NM	4	--	--
Kansas	5,119	3,720	37.6%	852	1,018	4,267	2,702	--	--	--	--
Minnesota	7,529	6,726	11.9%	1,627	1,379	5,879	5,324	24	23	--	--
Missouri	1,245	1,178	5.7%	--	--	1,245	1,178	--	--	--	--
Nebraska	1,275	1,051	21.3%	203	229	1,072	822	--	--	--	--
North Dakota	5,316	5,236	1.5%	1,267	1,120	4,049	4,116	--	--	--	--
South Dakota	2,914	2,668	9.2%	668	509	2,246	2,160	--	--	--	--
South Atlantic	1,605	1,378	16.4%	--	--	1,600	1,373	NM	5	--	--
Delaware	NM	5	NM	--	--	--	--	NM	5	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	314	271	15.8%	--	--	314	271	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	1,286	1,103	16.6%	--	--	1,286	1,103	--	--	--	--
East South Central	47	53	-10.6%	--	--	47	53	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	47	53	-10.6%	--	--	47	53	--	--	--	--
West South Central	40,093	36,153	10.9%	1,914	794	38,179	35,359	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	8,234	5,605	46.9%	1,593	660	6,640	4,945	--	--	--	--
Texas	31,860	30,548	4.3%	321	134	31,539	30,414	--	--	--	--
Mountain	16,820	15,317	9.8%	2,162	2,292	14,641	13,013	14	9	NM	3
Arizona	255	256	-0.1%	--	--	255	256	--	--	--	--
Colorado	6,045	5,200	16.2%	67	73	5,964	5,119	10	6	NM	3
Idaho	1,821	1,307	39.4%	51	--	1,770	1,307	--	--	--	--
Montana	1,238	1,265	-2.2%	94	99	1,144	1,166	--	--	--	--
Nevada	129	--	--	--	--	129	--	--	--	--	--
New Mexico	2,226	2,104	5.8%	--	--	2,223	2,101	NM	3	--	--
Utah	712	573	24.3%	--	--	712	573	--	--	--	--
Wyoming	4,394	4,612	-4.7%	1,949	2,120	2,445	2,491	--	--	--	--
Pacific Contiguous	22,690	18,790	20.8%	5,292	4,008	17,398	14,781	--	--	--	--
California	9,937	7,752	28.2%	603	507	9,333	7,245	--	--	--	--
Oregon	6,066	4,775	27.0%	1,299	721	4,766	4,054	--	--	--	--
Washington	6,688	6,262	6.8%	3,389	2,780	3,298	3,482	--	--	--	--
Pacific Noncontiguous	382	353	8.0%	14	12	367	341	--	--	--	--
Alaska	14	12	16.1%	14	12	--	--	--	--	--	--
Hawaii	367	341	7.7%	--	--	367	341	--	--	--	--
U.S. Total	140,089	120,177	16.6%	22,806	17,140	117,198	102,981	59	51	26	5

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	700	643	8.8%	68	50	417	412	NM	8	205	174
Connecticut	NM	61	NM	--	--	NM	61	--	--	--	--
Maine	376	343	9.5%	--	--	161	161	NM	8	205	174
Massachusetts	104	106	-1.4%	--	--	104	106	--	*	--	--
New Hampshire	104	89	16.2%	33	30	71	59	--	--	NM	*
Rhode Island	11	12	-5.8%	--	--	11	12	--	--	--	--
Vermont	NM	33	NM	35	19	NM	13	NM	*	--	--
Middle Atlantic	488	472	3.4%	--	--	362	375	52	42	75	55
New Jersey	82	82	-0.5%	--	--	58	59	23	23	--	--
New York	182	189	-3.8%	--	--	140	159	NM	9	24	21
Pennsylvania	225	201	11.9%	--	--	163	157	11	9	50	34
East North Central	509	505	0.7%	49	48	293	288	NM	15	NM	154
Illinois	58	52	12.0%	--	--	58	52	--	*	--	--
Indiana	30	28	9.4%	26	24	--	--	NM	2	NM	2
Michigan	209	212	-1.5%	--	*	138	142	NM	12	NM	58
Ohio	59	71	-17.3%	--	--	NM	35	--	--	NM	36
Wisconsin	152	142	7.2%	23	23	69	59	NM	1	NM	58
West North Central	193	182	6.4%	45	39	90	90	NM	4	NM	48
Iowa	14	12	16.7%	NM	2	8	6	NM	2	1	1
Kansas	5	5	4.4%	--	--	5	5	--	--	--	--
Minnesota	162	153	6.0%	35	30	75	77	NM	1	NM	46
Missouri	NM	5	NM	NM	3	NM	2	--	--	NM	*
Nebraska	NM	6	NM	5	4	--	--	NM	1	--	--
North Dakota	NM	1	NM	--	--	--	--	--	--	NM	1
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	1,331	1,380	-3.6%	76	80	394	413	NM	26	831	862
Delaware	6	12	-52.5%	--	--	6	12	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	406	409	-0.7%	8	7	203	209	NM	4	191	188
Georgia	301	297	1.3%	--	--	15	12	NM	1	284	284
Maryland	50	50	-0.4%	--	*	33	31	NM	5	11	14
North Carolina	202	211	-4.1%	*	*	84	91	--	--	118	120
South Carolina	164	204	-19.6%	39	42	NM	2	--	--	123	160
Virginia	203	198	2.7%	29	31	51	55	19	16	104	95
West Virginia	--	1	-100.0%	--	--	--	1	--	--	--	--
East South Central	503	488	3.2%	9	5	NM	21	--	--	NM	462
Alabama	NM	236	NM	NM	--	16	19	--	--	NM	216
Kentucky	31	41	-25.7%	9	5	--	--	--	--	22	36
Mississippi	NM	123	NM	*	*	--	--	--	--	NM	123
Tennessee	NM	87	NM	--	--	NM	2	--	--	87	86
West South Central	515	530	-2.9%	--	--	59	69	NM	4	NM	457
Arkansas	NM	143	NM	--	--	NM	4	NM	*	146	138
Louisiana	198	220	-10.0%	--	--	7	6	--	--	191	214
Oklahoma	NM	30	NM	--	--	--	--	--	--	NM	30
Texas	136	138	-1.0%	--	--	45	58	NM	4	NM	76
Mountain	69	76	-10.1%	NM	2	35	33	NM	*	NM	40
Arizona	NM	14	NM	NM	2	NM	12	NM	*	--	--
Colorado	NM	5	NM	*	--	NM	5	--	--	--	--
Idaho	NM	50	NM	--	--	NM	10	--	--	NM	40
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	NM	1	NM	--	--	NM	1	--	--	--	--
Utah	NM	5	NM	--	--	NM	5	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	779	792	-1.7%	49	76	438	411	95	84	196	221
California	574	555	3.4%	15	20	403	382	93	81	63	71
Oregon	67	62	7.5%	6	6	26	22	NM	2	32	32
Washington	138	174	-21.0%	28	50	8	8	--	--	101	117
Pacific Noncontiguous	26	16	63.9%	1	1	--	--	14	15	NM	*
Alaska	NM	*	NM	--	--	--	--	--	--	NM	*
Hawaii	25	15	64.1%	1	1	--	--	14	15	NM	--
U.S. Total	5,112	5,084	0.5%	299	301	2,104	2,113	NM	198	2,476	2,473

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	7,455	7,138	4.4%	570	515	4,666	4,544	NM	94	2,107	1,985
Connecticut	NM	660	NM	--	--	NM	660	--	--	--	--
Maine	3,911	3,788	3.2%	--	--	1,695	1,714	NM	89	2,107	1,985
Massachusetts	1,206	1,140	5.7%	--	--	1,204	1,137	NM	3	--	--
New Hampshire	1,123	1,025	9.6%	347	291	776	734	--	--	NM	*
Rhode Island	126	127	-1.0%	--	--	126	127	--	--	--	--
Vermont	401	398	0.9%	223	224	177	172	NM	2	--	--
Middle Atlantic	5,441	5,219	4.3%	--	--	4,178	4,067	517	467	NM	684
New Jersey	922	876	5.2%	--	--	661	639	261	237	--	--
New York	2,094	2,061	1.6%	--	--	1,721	1,725	129	110	244	226
Pennsylvania	2,426	2,281	6.3%	--	--	1,796	1,704	128	120	NM	458
East North Central	5,835	5,779	1.0%	566	534	3,356	3,342	246	193	1,667	1,709
Illinois	668	638	4.7%	--	--	668	638	NM	*	--	1
Indiana	347	336	3.5%	305	295	--	--	21	20	21	20
Michigan	2,448	2,506	-2.3%	NM	2	1,614	1,663	211	158	622	683
Ohio	684	722	-5.2%	--	--	315	340	--	--	369	382
Wisconsin	1,687	1,577	7.0%	260	237	759	702	NM	15	655	624
West North Central	2,090	2,037	2.6%	481	476	1,023	959	53	51	533	552
Iowa	162	161	0.9%	29	27	90	88	31	30	12	15
Kansas	61	59	3.5%	--	--	61	59	--	--	--	--
Minnesota	1,732	1,680	3.1%	364	362	849	789	8	7	510	522
Missouri	NM	62	NM	35	35	23	23	--	--	NM	4
Nebraska	67	65	2.2%	53	52	--	--	14	14	--	--
North Dakota	7	10	-25.2%	--	--	--	--	--	--	7	10
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	15,137	15,089	0.3%	925	924	4,545	4,584	337	300	9,330	9,281
Delaware	107	145	-25.9%	--	--	107	145	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,478	4,544	-1.5%	86	88	2,295	2,345	39	39	2,057	2,073
Georgia	3,354	3,190	5.1%	--	*	162	165	25	23	3,166	3,001
Maryland	541	548	-1.4%	NM	*	341	343	65	55	135	150
North Carolina	2,353	2,328	1.1%	1	8	1,018	971	--	--	1,335	1,350
South Carolina	2,049	2,129	-3.8%	484	410	22	22	--	--	1,543	1,698
Virginia	2,255	2,196	2.7%	353	419	600	585	207	183	1,094	1,009
West Virginia	*	9	-100.0%	*	*	--	9	--	--	--	--
East South Central	6,012	5,726	5.0%	99	96	212	258	--	--	5,701	5,371
Alabama	3,258	2,817	15.7%	NM	1	190	231	--	--	3,067	2,585
Kentucky	330	436	-24.4%	98	95	--	--	--	--	231	342
Mississippi	NM	1,506	NM	*	*	--	--	--	--	NM	1,506
Tennessee	1,010	967	4.5%	--	--	22	28	--	--	989	939
West South Central	5,914	6,031	-1.9%	--	--	804	688	43	43	5,067	5,300
Arkansas	1,684	1,668	1.0%	--	--	85	76	5	5	1,593	1,587
Louisiana	2,240	2,443	-8.3%	--	--	76	70	--	--	2,163	2,372
Oklahoma	297	314	-5.4%	--	--	--	--	--	--	297	314
Texas	1,694	1,606	5.4%	--	--	642	542	38	38	1,014	1,027
Mountain	841	842	0.0%	24	24	414	392	NM	5	399	420
Arizona	203	190	6.8%	24	24	175	161	NM	5	--	--
Colorado	65	62	5.8%	*	*	65	62	--	--	--	--
Idaho	504	522	-3.5%	--	--	105	102	--	--	399	420
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	10	9	1.1%	--	--	10	9	--	--	--	--
Utah	59	58	2.1%	--	--	59	58	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	8,548	8,495	0.6%	590	831	4,666	4,447	1,095	1,026	2,197	2,190
California	6,327	6,029	4.9%	237	246	4,306	4,105	1,069	1,003	715	675
Oregon	698	714	-2.3%	71	68	268	260	26	24	333	363
Washington	1,523	1,751	-13.0%	282	518	92	82	--	--	1,149	1,151
Pacific Noncontiguous	291	316	-7.9%	22	39	--	--	153	161	117	116
Alaska	NM	3	NM	--	--	--	--	--	--	NM	3
Hawaii	288	313	-7.8%	22	39	--	--	153	161	114	112
U.S. Total	57,565	56,671	1.6%	3,277	3,440	23,864	23,282	2,561	2,341	27,864	27,607

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 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	284	225	25.8%	25	25	259	200	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	7	6	27.7%	--	--	7	6	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	246	190	29.2%	--	--	246	190	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	31	30	3.3%	25	25	6	5	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	1,155	1,080	6.9%	75	75	1,080	1,005	--	--	--	--
California	1,139	1,080	5.4%	75	75	1,064	1,005	--	--	--	--
Oregon	16	--	--	--	--	16	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	21	19	7.0%	--	--	21	19	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	21	19	7.0%	--	--	21	19	--	--	--	--
U.S. Total	1,459	1,324	10.2%	99	100	1,359	1,224	--	--	--	--

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--	--	--
East North Central	--	--	--	--	--	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	--	--	--	--	--	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	3,175	2,540	25.0%	269	278	2,907	2,262	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	83	63	30.5%	--	--	83	63	--	--	--	--
Montana	43	--	--	--	--	43	--	--	--	--	--
Nevada	2,710	2,146	26.3%	--	--	2,710	2,146	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	339	330	2.8%	269	278	71	52	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	13,355	12,552	6.4%	875	858	12,480	11,694	--	--	--	--
California	13,330	12,552	6.2%	875	858	12,455	11,694	--	--	--	--
Oregon	25	--	--	--	--	25	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	261	224	16.6%	--	--	261	224	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	261	224	16.6%	--	--	261	224	--	--	--	--
U.S. Total	16,791	15,316	9.6%	1,143	1,137	15,648	14,180	--	--	--	--

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	NM	1	NM	NM	*	NM	*	NM	*	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	NM	*	NM	NM	*	NM	*	NM	*	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	NM	*	NM	--	--	NM	*	--	--	--	--
Middle Atlantic	20	11	90.5%	NM	1	17	9	NM	NM	NM	*
New Jersey	NM	6	NM	NM	1	NM	4	NM	NM	NM	--
New York	2	3	-26.6%	--	--	2	3	NM	--	--	--
Pennsylvania	NM	2	NM	--	--	NM	2	--	*	NM	*
East North Central	NM	1	NM	NM	*	NM	1	NM	--	--	--
Illinois	NM	1	NM	--	--	NM	1	--	--	--	--
Indiana	NM	--	--	--	--	NM	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	NM	1	NM	NM	*	NM	1	NM	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	NM	--	--	--	--	NM	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	NM	--	--	--	--	NM	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	18	9	105.9%	8	5	NM	4	NM	--	--	--
Delaware	NM	1	NM	NM	*	NM	1	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	11	7	59.5%	8	4	NM	2	NM	--	--	--
Georgia	NM	--	--	--	--	--	--	NM	--	--	--
Maryland	NM	*	NM	NM	*	NM	*	NM	--	--	--
North Carolina	NM	1	NM	NM	*	NM	1	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	11	1	992.1%	--	--	11	1	NM	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	11	1	992.1%	--	--	11	1	NM	--	--	--
Mountain	139	70	98.2%	NM	9	131	59	NM	2	NM	*
Arizona	78	31	149.8%	NM	9	71	22	NM	*	--	--
Colorado	8	8	0.7%	--	--	7	7	NM	1	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	34	12	179.2%	--	--	33	11	NM	1	NM	*
New Mexico	19	19	0.6%	--	--	19	19	--	--	--	--
Utah	NM	--	--	--	--	NM	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	62	28	118.2%	NM	3	47	24	NM	NM	NM	--
California	61	28	115.0%	NM	3	46	24	NM	NM	NM	--
Oregon	NM	*	NM	NM	--	NM	*	--	--	--	--
Washington	*	*	-46.5%	*	*	--	--	--	--	--	--
Pacific Noncontiguous	NM	*	NM	--	--	NM	*	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	*	NM	--	--	NM	*	--	--	--	--
U.S. Total	258	121	113.8%	30	19	222	98	NM	4	NM	*

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	36	7	451.2%	13	4	22	2	NM	1	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	31	5	546.1%	13	4	17	*	NM	1	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	NM	2	NM	--	--	NM	2	--	--	--	--
Middle Atlantic	444	98	351.1%	53	19	358	65	23	8	11	5
New Jersey	349	69	406.7%	53	19	273	41	20	8	NM	--
New York	55	6	752.2%	--	--	53	6	NM	--	--	--
Pennsylvania	40	23	74.1%	--	--	32	18	NM	*	NM	5
East North Central	75	30	153.6%	NM	1	73	28	NM	--	--	--
Illinois	37	14	161.1%	--	--	37	14	--	--	--	--
Indiana	NM	--	--	--	--	NM	--	--	--	--	--
Michigan	--	--	--	--	--	--	--	--	--	--	--
Ohio	38	15	143.8%	NM	1	36	14	NM	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	NM	--	--	--	--	NM	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	NM	--	--	--	--	NM	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	321	154	108.5%	165	103	150	51	NM	--	--	--
Delaware	30	8	263.7%	NM	*	27	8	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	221	126	75.5%	159	100	61	26	NM	--	--	--
Georgia	NM	--	--	--	--	--	--	NM	--	--	--
Maryland	28	3	923.7%	NM	*	23	3	NM	--	--	--
North Carolina	40	17	129.3%	NM	2	39	15	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	142	29	394.8%	--	--	141	29	NM	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	142	29	394.8%	--	--	141	29	NM	--	--	--
Mountain	1,892	607	211.7%	137	41	1,705	518	49	47	NM	1
Arizona	899	83	979.1%	137	41	758	40	NM	2	--	--
Colorado	168	105	61.0%	--	--	157	92	11	12	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	483	291	65.8%	--	--	448	258	34	32	NM	1
New Mexico	339	128	165.3%	--	--	339	128	--	--	--	--
Utah	NM	--	--	--	--	NM	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	1,428	890	60.5%	234	48	1,147	814	45	28	NM	--
California	1,415	889	59.2%	229	47	1,138	814	45	28	NM	--
Oregon	12	*	NM	NM	--	NM	*	--	--	--	--
Washington	1	1	-5.5%	1	1	--	--	--	--	--	--
Pacific Noncontiguous	NM	4	NM	--	--	NM	4	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	NM	4	NM	--	--	NM	4	--	--	--	--
U.S. Total	4,342	1,818	138.9%	604	216	3,598	1,511	125	84	14	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 for 2012 are preliminary. Values for 2011 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2002	987,583	767,803	207,448	477	11,855
2003	1,014,058	757,384	245,652	582	10,440
2004	1,020,523	772,224	240,235	377	7,687
2005	1,041,448	761,349	272,218	377	7,504
2006	1,030,556	753,390	269,412	347	7,408
2007	1,046,795	764,765	276,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	826,700	616,501	204,864	310	5,026
2010					
January	90,767	67,211	22,869	32	654
February	80,209	59,279	20,258	28	643
March	76,544	56,252	19,520	26	746
April	67,037	49,997	16,562	23	456
May	76,061	56,847	18,464	23	727
June	87,395	64,891	21,833	27	643
July	94,993	69,933	24,261	30	769
August	94,786	69,860	24,061	29	835
Sept	79,573	58,199	20,682	26	666
October	70,918	51,353	18,851	23	690
November	72,756	52,962	19,244	21	529
December	88,645	64,645	23,208	26	765
2011					
January	90,208	66,083	23,598	40	487
February	73,614	54,434	18,733	39	409
March	72,645	54,115	18,034	37	460
April	67,128	49,443	17,200	25	460
May	73,522	54,959	18,051	25	487
June	84,156	62,690	20,931	27	507
July	94,304	69,942	23,782	32	548
August	92,297	68,137	23,570	29	562
Sept	76,790	55,844	20,442	26	479
October	69,605	50,644	18,520	21	419
November	67,059	48,879	17,762	21	397
December	73,610	54,146	18,917	26	521
2012					
January	70,846	52,472	17,910	29	435
February	62,906	46,913	15,572	27	393
March	57,442	43,404	13,606	25	407
April	51,893	39,963	11,541	22	366
May	62,978	46,967	15,602	24	385
June	71,750	53,760	17,550	26	413
July	86,667	64,476	21,662	30	500
August	82,862	61,637	20,707	28	491
Sept	69,490	51,615	17,433	24	418
October	66,745	49,296	16,991	20	438
November	69,977	51,442	18,108	26	401
December	73,144	54,556	18,181	28	378
Year to Date					
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	826,700	616,501	204,864	310	5,026
Rolling 12 Months Ending in December					
2011	934,938	689,316	239,541	347	5,735
2012	826,700	616,501	204,864	310	5,026

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2002-December 2012 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	17,561	--	2,255	929	14,377
2003	17,720	--	2,080	1,234	14,406
2004	24,275	--	3,809	1,540	18,926
2005	23,833	--	3,918	1,544	18,371
2006	23,227	--	3,834	1,539	17,854
2007	22,810	--	3,795	1,566	17,449
2008	22,168	--	3,689	1,652	16,827
2009	20,507	--	3,935	1,481	15,091
2010	21,727	--	3,808	1,406	16,513
2011	21,532	--	3,628	1,321	16,584
2012	20,323	--	3,393	1,239	15,691
2010					
January	1,972	--	371	160	1,440
February	1,820	--	347	139	1,334
March	1,839	--	338	123	1,378
April	2,142	--	284	95	1,764
May	1,664	--	285	95	1,283
June	1,668	--	306	108	1,255
July	1,790	--	325	112	1,354
August	1,807	--	326	123	1,359
Sept	1,677	--	296	107	1,275
October	1,653	--	287	98	1,267
November	1,740	--	308	107	1,325
December	1,955	--	336	139	1,481
2011					
January	2,084	--	340	149	1,595
February	1,833	--	307	135	1,391
March	1,869	--	310	127	1,431
April	1,713	--	287	98	1,327
May	1,776	--	328	99	1,349
June	1,726	--	287	103	1,336
July	1,824	--	313	113	1,397
August	1,807	--	305	101	1,400
Sept	1,689	--	283	96	1,309
October	1,712	--	294	89	1,329
November	1,689	--	277	96	1,315
December	1,812	--	296	113	1,403
2012					
January	1,948	--	338	133	1,477
February	1,699	--	269	114	1,315
March	1,699	--	290	109	1,299
April	1,514	--	247	92	1,175
May	1,701	--	299	97	1,304
June	1,594	--	286	88	1,221
July	1,652	--	291	89	1,272
August	1,734	--	299	98	1,337
Sept	1,560	--	273	92	1,195
October	1,731	--	278	95	1,358
November	1,683	--	248	109	1,327
December	1,807	--	274	123	1,410
Year to Date					
2010	21,727	--	3,808	1,406	16,513
2011	21,532	--	3,628	1,321	16,584
2012	20,323	--	3,393	1,239	15,691
Rolling 12 Months Ending in December					
2011	21,532	--	3,628	1,321	16,584
2012	20,323	--	3,393	1,239	15,691

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.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2002	1,005,144	767,803	209,703	1,405	26,232
2003	1,031,778	757,384	247,732	1,816	24,846
2004	1,044,798	772,224	244,044	1,917	26,613
2005	1,065,281	761,349	276,135	1,922	25,875
2006	1,053,783	753,390	273,246	1,886	25,262
2007	1,069,606	764,765	280,377	1,927	22,537
2008	1,064,503	760,326	280,254	2,021	21,902
2009	955,190	695,615	238,012	1,798	19,766
2010	1,001,411	721,431	253,621	1,720	24,638
2011	956,470	689,316	243,168	1,668	22,319
2012	847,023	616,501	208,257	1,549	20,717
2010					
January	92,738	67,211	23,240	193	2,094
February	82,029	59,279	20,605	167	1,978
March	78,383	56,252	19,858	149	2,124
April	69,179	49,997	16,845	117	2,220
May	77,725	56,847	18,750	118	2,010
June	89,063	64,891	22,139	135	1,898
July	96,783	69,933	24,586	142	2,122
August	96,593	69,860	24,387	152	2,194
Sept	81,250	58,199	20,977	133	1,941
October	72,571	51,353	19,139	121	1,958
November	74,496	52,962	19,552	128	1,854
December	90,600	64,645	23,544	165	2,246
2011					
January	92,292	66,083	23,939	189	2,082
February	75,447	54,434	19,040	173	1,800
March	74,514	54,115	18,343	164	1,891
April	68,841	49,443	17,487	124	1,787
May	75,298	54,959	18,379	124	1,836
June	85,881	62,690	21,218	130	1,843
July	96,128	69,942	24,095	145	1,946
August	94,103	68,137	23,875	129	1,962
Sept	78,479	55,844	20,724	122	1,788
October	71,317	50,644	18,814	110	1,748
November	68,748	48,879	18,039	117	1,712
December	75,422	54,146	19,213	139	1,923
2012					
January	72,795	52,472	18,249	162	1,913
February	64,604	46,913	15,842	141	1,708
March	59,142	43,404	13,897	135	1,707
April	53,407	39,963	11,787	115	1,542
May	64,678	46,967	15,902	121	1,689
June	73,344	53,760	17,835	114	1,634
July	88,319	64,476	21,953	118	1,773
August	84,597	61,637	21,006	126	1,827
Sept	71,050	51,615	17,706	116	1,613
October	68,476	49,296	17,269	115	1,796
November	71,660	51,442	18,356	134	1,728
December	74,951	54,556	18,455	151	1,789
Year to Date					
2010	1,001,411	721,431	253,621	1,720	24,638
2011	956,470	689,316	243,168	1,668	22,319
2012	847,023	616,501	208,257	1,549	20,717
Rolling 12 Months Ending in December					
2011	956,470	689,316	243,168	1,668	22,319
2012	847,023	616,501	208,257	1,549	20,717

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2002-December 2012 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2002	134,415	88,595	39,035	826	5,959
2003	175,136	105,319	61,420	882	7,514
2004	165,107	103,793	56,342	760	4,212
2005	165,137	98,223	62,154	580	4,180
2006	73,821	53,529	17,179	327	2,786
2007	82,433	56,910	22,793	250	2,480
2008	53,846	38,995	13,152	160	1,538
2009	43,562	31,847	9,880	184	1,652
2010	40,103	30,806	8,278	164	855
2011	27,326	20,844	5,633	133	716
2012	22,523	17,759	4,010	129	625
2010					
January	5,587	4,381	1,083	17	106
February	2,156	1,599	454	15	88
March	2,178	1,775	325	11	66
April	2,013	1,633	306	10	63
May	3,168	2,593	496	14	65
June	4,485	3,667	750	13	55
July	5,228	3,545	1,589	26	68
August	4,245	3,232	944	15	54
Sept	2,844	2,154	622	13	56
October	2,029	1,581	369	10	69
November	2,001	1,487	436	5	73
December	4,170	3,161	903	14	91
2011					
January	3,325	2,207	1,005	26	87
February	2,077	1,590	400	16	72
March	2,160	1,737	351	10	63
April	2,450	2,091	296	5	57
May	2,291	1,886	347	5	52
June	2,355	1,745	553	5	53
July	2,926	1,906	958	14	49
August	2,290	1,749	480	12	49
Sept	1,834	1,427	342	13	52
October	1,835	1,481	280	10	64
November	1,832	1,488	278	10	55
December	1,952	1,539	343	8	62
2012					
January	1,888	1,485	332	8	62
February	1,567	1,263	238	6	60
March	1,602	1,330	216	7	48
April	1,729	1,423	230	10	66
May	1,912	1,468	384	9	52
June	2,375	1,776	529	15	54
July	2,677	2,042	571	17	47
August	2,020	1,602	359	15	43
Sept	1,629	1,306	264	11	48
October	1,860	1,490	297	12	61
November	1,636	1,264	324	10	38
December	1,629	1,310	266	8	44
Year to Date					
2010	40,103	30,806	8,278	164	855
2011	27,326	20,844	5,633	133	716
2012	22,523	17,759	4,010	129	625
Rolling 12 Months Ending in December					
2011	27,326	20,844	5,633	133	716
2012	22,523	17,759	4,010	129	625

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2002	12,228	--	286	384	11,558
2003	14,124	--	1,197	512	12,414
2004	20,654	--	1,501	1,203	17,951
2005	20,494	--	1,392	1,004	18,097
2006	14,077	--	1,153	559	12,365
2007	13,462	--	1,303	441	11,718
2008	7,533	--	1,311	461	5,762
2009	8,128	--	1,301	293	6,534
2010	4,866	--	1,086	212	3,567
2011	3,826	--	1,004	168	2,654
2012	2,710	--	950	110	1,651
2010					
January	606	--	105	31	470
February	504	--	78	26	401
March	335	--	46	7	281
April	355	--	86	9	260
May	340	--	93	14	232
June	304	--	89	13	202
July	392	--	90	34	268
August	337	--	91	26	220
Sept	313	--	88	9	215
October	398	--	95	5	298
November	431	--	128	8	296
December	552	--	97	31	424
2011					
January	538	--	94	69	375
February	370	--	72	26	272
March	333	--	75	9	249
April	287	--	83	3	201
May	287	--	82	7	198
June	286	--	82	4	200
July	272	--	87	8	176
August	284	--	92	8	184
Sept	280	--	89	11	180
October	311	--	87	5	219
November	293	--	83	14	195
December	286	--	76	3	207
2012					
January	278	--	95	11	172
February	203	--	64	7	132
March	216	--	53	9	154
April	225	--	65	6	154
May	223	--	85	8	129
June	259	--	89	13	157
July	232	--	81	15	137
August	217	--	82	9	126
Sept	195	--	79	7	109
October	245	--	87	8	149
November	208	--	84	8	115
December	210	--	86	7	117
Year to Date					
2010	4,866	--	1,086	212	3,567
2011	3,826	--	1,004	168	2,654
2012	2,710	--	950	110	1,651
Rolling 12 Months Ending in December					
2011	3,826	--	1,004	168	2,654
2012	2,710	--	950	110	1,651

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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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	146,643	88,595	39,320	1,210	17,517
2003	189,260	105,319	62,617	1,394	19,929
2004	185,761	103,793	57,843	1,963	22,162
2005	185,631	98,223	63,546	1,584	22,278
2006	87,898	53,529	18,332	886	15,150
2007	95,895	56,910	24,097	691	14,198
2008	61,379	38,995	14,463	621	7,300
2009	51,690	31,847	11,181	477	8,185
2010	44,968	30,806	9,364	376	4,422
2011	31,152	20,844	6,637	301	3,370
2012	25,233	17,759	4,960	238	2,275
2010					
January	6,193	4,381	1,188	48	576
February	2,660	1,599	532	41	489
March	2,512	1,775	371	18	348
April	2,367	1,633	392	19	323
May	3,507	2,593	589	28	297
June	4,789	3,667	839	26	257
July	5,620	3,545	1,679	59	336
August	4,582	3,232	1,035	40	274
Sept	3,157	2,154	711	22	271
October	2,427	1,581	463	15	367
November	2,433	1,487	564	13	369
December	4,722	3,161	1,000	46	515
2011					
January	3,863	2,207	1,099	95	462
February	2,447	1,590	472	42	343
March	2,493	1,737	425	19	312
April	2,736	2,091	380	8	258
May	2,578	1,886	430	12	250
June	2,642	1,745	636	9	253
July	3,198	1,906	1,045	23	225
August	2,573	1,749	572	20	233
Sept	2,114	1,427	431	23	232
October	2,145	1,481	367	14	283
November	2,124	1,488	361	24	251
December	2,238	1,539	419	11	269
2012					
January	2,165	1,485	427	19	234
February	1,770	1,263	302	13	192
March	1,818	1,330	269	16	202
April	1,954	1,423	295	16	220
May	2,135	1,468	468	17	181
June	2,634	1,776	618	29	211
July	2,909	2,042	651	32	184
August	2,237	1,602	442	25	169
Sept	1,824	1,306	343	18	158
October	2,105	1,490	384	21	210
November	1,844	1,264	409	18	154
December	1,838	1,310	351	16	161
Year to Date					
2010	44,968	30,806	9,364	376	4,422
2011	31,152	20,844	6,637	301	3,370
2012	25,233	17,759	4,960	238	2,275
Rolling 12 Months Ending in December					
2011	31,152	20,844	6,637	301	3,370
2012	25,233	17,759	4,960	238	2,275

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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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2002	6,836	2,125	3,580	2	1,130
2003	6,303	2,554	3,166	2	582
2004	7,677	4,150	2,985	1	541
2005	8,330	4,130	3,746	1	452
2006	7,363	3,619	3,286	1	456
2007	6,036	2,808	2,715	2	512
2008	5,417	2,296	2,704	1	416
2009	4,821	2,761	1,724	1	335
2010	4,994	3,325	1,354	2	313
2011	5,012	3,449	1,277	1	286
2012	3,552	2,112	715	1	724
2010					
January	433	283	121	*	29
February	404	258	120	*	25
March	438	308	108	*	23
April	382	253	107	*	22
May	415	261	129	--	25
June	493	319	144	--	30
July	524	340	155	--	29
August	423	286	106	*	31
Sept	394	296	75	*	23
October	362	245	92	*	25
November	317	201	89	*	27
December	408	274	108	*	25
2011					
January	552	400	124	*	28
February	431	295	114	*	22
March	517	344	151	*	22
April	336	218	94	--	24
May	357	232	101	--	24
June	432	302	107	--	22
July	510	359	131	--	19
August	464	330	110	--	24
Sept	454	333	95	--	26
October	338	229	83	--	25
November	257	155	77	*	25
December	365	252	88	*	25
2012					
January	465	297	85	*	83
February	354	230	76	*	48
March	234	107	77	*	50
April	202	120	33	*	50
May	245	150	46	--	49
June	265	169	46	--	50
July	291	182	55	*	54
August	319	170	77	*	73
Sept	313	188	60	*	66
October	266	156	57	*	53
November	298	175	48	*	75
December	300	170	56	*	74
Year to Date					
2010	4,994	3,325	1,354	2	313
2011	5,012	3,449	1,277	1	286
2012	3,552	2,112	715	1	724
Rolling 12 Months Ending in December					
2011	5,012	3,449	1,277	1	286
2012	3,552	2,112	715	1	724

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
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Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2002-December 2012 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2002	517	--	111	6	399
2003	763	--	80	9	675
2004	1,043	--	237	8	798
2005	783	--	206	8	568
2006	1,259	--	195	9	1,055
2007	1,262	--	162	11	1,090
2008	897	--	119	9	769
2009	1,007	--	126	8	873
2010	1,059	--	98	11	950
2011	1,080	--	112	6	962
2012	1,258	--	113	11	1,134
2010					
January	92	--	10	1	81
February	93	--	10	1	82
March	84	--	12	1	71
April	76	--	9	1	66
May	84	--	10	--	75
June	93	--	8	--	86
July	89	--	8	--	80
August	87	--	2	1	84
Sept	82	--	2	1	79
October	91	--	9	1	81
November	97	--	11	1	84
December	91	--	9	2	81
2011					
January	93	--	5	1	86
February	90	--	9	1	81
March	85	--	11	1	73
April	92	--	9	--	83
May	95	--	11	--	84
June	89	--	9	--	80
July	89	--	11	--	79
August	81	--	11	--	70
Sept	90	--	10	--	80
October	91	--	7	--	84
November	88	--	9	1	79
December	95	--	10	1	84
2012					
January	96	--	11	1	83
February	95	--	11	1	83
March	126	--	10	1	114
April	114	--	9	*	105
May	110	--	11	--	99
June	100	--	6	--	94
July	94	--	9	1	84
August	93	--	9	1	82
Sept	93	--	9	1	82
October	113	--	9	1	103
November	107	--	9	1	97
December	118	--	10	1	107
Year to Date					
2010	1,059	--	98	11	950
2011	1,080	--	112	6	962
2012	1,258	--	113	11	1,134
Rolling 12 Months Ending in December					
2011	1,080	--	112	6	962
2012	1,258	--	113	11	1,134

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

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

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	7,353	2,125	3,691	8	1,529
2003	7,067	2,554	3,245	11	1,257
2004	8,721	4,150	3,223	9	1,339
2005	9,113	4,130	3,953	9	1,020
2006	8,622	3,619	3,482	10	1,511
2007	7,299	2,808	2,877	12	1,602
2008	6,314	2,296	2,823	10	1,184
2009	5,828	2,761	1,850	9	1,209
2010	6,053	3,325	1,452	12	1,264
2011	6,092	3,449	1,388	6	1,248
2012	4,811	2,112	828	13	1,858
2010					
January	525	283	130	1	110
February	497	258	131	1	106
March	522	308	119	1	94
April	458	253	116	1	88
May	500	261	139	--	100
June	586	319	151	--	116
July	613	340	163	--	109
August	510	286	108	1	115
Sept	475	296	76	1	102
October	453	245	101	1	106
November	414	201	100	2	111
December	499	274	117	2	106
2011					
January	645	400	129	1	114
February	521	295	122	1	102
March	603	344	162	1	95
April	428	218	103	--	107
May	452	232	112	--	108
June	521	302	117	--	102
July	599	359	142	--	98
August	545	330	121	--	94
Sept	545	333	105	--	106
October	429	229	90	--	109
November	345	155	86	1	103
December	460	252	98	2	109
2012					
January	561	297	96	2	166
February	449	230	87	1	131
March	360	107	87	1	165
April	317	120	42	*	155
May	355	150	57	--	148
June	365	169	51	--	144
July	385	182	64	1	138
August	412	170	86	1	155
Sept	406	188	69	1	148
October	379	156	66	1	156
November	405	175	57	1	171
December	418	170	66	1	180
Year to Date					
2010	6,053	3,325	1,452	12	1,264
2011	6,092	3,449	1,388	6	1,248
2012	4,811	2,112	828	13	1,858
Rolling 12 Months Ending in December					
2011	6,092	3,449	1,388	6	1,248
2012	4,811	2,112	828	13	1,858

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

Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2002-December 2012 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2002	6,126,062	2,259,684	3,148,595	32,545	685,239
2003	5,616,135	1,763,764	3,145,485	38,480	668,407
2004	5,674,580	1,809,443	3,265,896	32,839	566,401
2005	6,036,370	2,134,859	3,349,921	33,785	517,805
2006	6,461,615	2,478,396	3,412,826	34,623	535,770
2007	7,089,342	2,736,418	3,765,194	34,087	553,643
2008	6,895,843	2,730,134	3,612,197	33,403	520,109
2009	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,465,207	4,115,509	4,694,256	49,019	606,423
2010					
January	570,204	244,970	274,050	3,162	48,023
February	501,790	211,934	244,016	2,894	42,945
March	478,851	207,974	223,630	2,972	44,275
April	493,588	210,270	238,616	2,709	41,994
May	582,287	261,882	273,632	2,661	44,111
June	731,357	314,471	366,984	2,931	46,970
July	922,648	387,996	480,611	3,659	50,382
August	971,855	411,663	503,418	3,847	52,927
Sept	723,230	306,156	365,331	3,447	48,295
October	594,338	260,110	287,180	3,471	43,576
November	519,375	219,357	253,331	3,345	43,341
December	590,663	254,209	283,622	4,364	48,467
2011					
January	563,712	238,731	273,552	3,518	47,910
February	505,126	208,813	250,551	3,069	42,692
March	503,090	217,538	239,429	3,169	42,953
April	545,924	243,866	253,900	3,062	45,096
May	598,689	268,818	279,002	4,043	46,826
June	727,189	330,305	344,944	3,957	47,982
July	967,125	430,187	478,936	5,316	52,686
August	951,425	421,042	471,544	5,001	53,838
Sept	711,980	306,699	352,213	4,290	48,779
October	599,544	266,740	284,312	3,727	44,764
November	568,007	242,306	275,414	3,709	46,579
December	642,055	271,041	315,311	4,309	51,394
2012					
January	674,887	283,222	336,978	4,466	50,221
February	673,149	275,187	345,902	4,192	47,869
March	702,346	296,294	356,195	3,952	45,904
April	742,266	323,441	369,861	3,883	45,082
May	843,724	379,144	409,826	3,992	50,761
June	911,369	407,145	448,758	4,118	51,347
July	1,123,145	501,548	561,605	4,562	55,429
August	1,034,276	449,778	527,204	4,163	53,131
Sept	834,251	362,093	418,418	3,971	49,768
October	699,343	306,157	339,034	3,931	50,220
November	608,543	262,336	291,010	3,766	51,430
December	617,909	269,163	289,464	4,022	55,260
Year to Date					
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,465,207	4,115,509	4,694,256	49,019	606,423
Rolling 12 Months Ending in December					
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,465,207	4,115,509	4,694,256	49,019	606,423

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2002-December 2012 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	860,024	--	263,619	41,435	554,970
2003	721,267	--	225,967	19,973	475,327
2004	1,052,100	--	388,424	39,233	624,443
2005	984,340	--	384,365	34,172	565,803
2006	942,817	--	330,878	33,112	578,828
2007	872,579	--	339,796	35,987	496,796
2008	793,537	--	326,048	32,813	434,676
2009	816,787	--	305,542	41,275	469,970
2010	821,775	--	301,769	46,324	473,683
2011	839,681	--	308,669	39,856	491,155
2012	904,930	--	326,981	44,897	533,052
2010					
January	72,867	--	26,791	4,086	41,990
February	64,030	--	23,665	3,731	36,634
March	68,097	--	25,259	3,612	39,225
April	62,604	--	22,596	3,279	36,729
May	64,675	--	24,150	3,079	37,446
June	64,855	--	24,210	3,254	37,391
July	74,050	--	28,575	4,452	41,023
August	74,748	--	27,921	4,955	41,872
Sept	67,954	--	25,235	4,034	38,685
October	67,393	--	23,073	3,960	40,361
November	66,220	--	23,851	3,786	38,583
December	74,282	--	26,442	4,096	43,744
2011					
January	72,765	--	27,509	3,590	41,667
February	65,092	--	24,322	2,962	37,808
March	66,500	--	24,958	2,875	38,666
April	64,265	--	23,687	2,685	37,894
May	67,344	--	24,178	3,047	40,119
June	66,791	--	24,165	2,912	39,714
July	77,883	--	29,452	3,910	44,520
August	78,356	--	28,864	3,877	45,616
Sept	70,438	--	25,286	3,339	41,812
October	66,780	--	23,880	3,155	39,744
November	67,698	--	24,826	3,422	39,450
December	75,769	--	27,542	4,083	44,145
2012					
January	80,268	--	28,153	4,230	47,885
February	72,826	--	26,538	3,988	42,301
March	72,726	--	24,617	3,881	44,228
April	72,067	--	26,221	3,546	42,301
May	73,640	--	28,295	3,338	42,007
June	75,498	--	28,908	3,551	43,039
July	79,508	--	30,195	3,876	45,437
August	78,480	--	30,248	3,602	44,630
Sept	73,579	--	26,325	3,842	43,412
October	74,631	--	26,206	3,881	44,544
November	73,627	--	24,443	3,543	45,641
December	78,080	--	26,832	3,621	47,627
Year to Date					
2010	821,775	--	301,769	46,324	473,683
2011	839,681	--	308,669	39,856	491,155
2012	904,930	--	326,981	44,897	533,052
Rolling 12 Months Ending in December					
2011	839,681	--	308,669	39,856	491,155
2012	904,930	--	326,981	44,897	533,052

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2002-December 2012 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2002	6,986,087	2,259,684	3,412,213	73,980	1,240,209
2003	6,337,402	1,763,764	3,371,452	58,453	1,143,734
2004	6,726,679	1,809,443	3,654,320	72,072	1,190,844
2005	7,020,709	2,134,859	3,734,286	67,957	1,083,607
2006	7,404,432	2,478,396	3,743,704	67,735	1,114,597
2007	7,961,922	2,736,418	4,104,991	70,074	1,050,439
2008	7,689,380	2,730,134	3,938,245	66,216	954,785
2009	7,937,856	2,911,279	3,961,254	75,555	989,769
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,137	4,115,509	5,021,237	93,916	1,139,475
2010					
January	643,072	244,970	300,842	7,248	90,013
February	565,820	211,934	267,681	6,626	79,580
March	546,948	207,974	248,889	6,584	83,501
April	556,192	210,270	261,212	5,988	78,722
May	646,962	261,882	297,782	5,740	81,557
June	796,212	314,471	391,194	6,185	84,362
July	996,697	387,996	509,185	8,111	91,405
August	1,046,602	411,663	531,340	8,801	94,799
Sept	791,184	306,156	390,566	7,481	86,980
October	661,732	260,110	310,253	7,431	83,937
November	585,595	219,357	277,182	7,131	81,924
December	664,945	254,209	310,065	8,461	92,210
2011					
January	636,477	238,731	301,061	7,108	89,577
February	570,218	208,813	274,873	6,032	80,500
March	569,590	217,538	264,388	6,044	81,620
April	610,190	243,866	277,587	5,747	82,990
May	666,033	268,818	303,180	7,090	86,945
June	793,979	330,305	369,109	6,869	87,696
July	1,045,008	430,187	508,388	9,226	97,207
August	1,029,781	421,042	500,407	8,878	99,454
Sept	782,418	306,699	377,499	7,629	90,591
October	666,323	266,740	308,192	6,882	84,509
November	635,705	242,306	300,240	7,130	86,029
December	717,824	271,041	342,852	8,392	95,539
2012					
January	755,155	283,222	365,131	8,696	98,106
February	745,976	275,187	372,439	8,179	90,170
March	775,071	296,294	380,812	7,833	90,132
April	814,334	323,441	396,082	7,429	87,382
May	917,363	379,144	438,121	7,330	92,768
June	986,867	407,145	477,667	7,668	94,386
July	1,202,652	501,548	591,800	8,438	100,866
August	1,112,757	449,778	557,452	7,765	97,762
Sept	907,829	362,093	444,744	7,813	93,180
October	773,974	306,157	365,240	7,812	94,764
November	682,170	262,336	315,453	7,309	97,071
December	695,989	269,163	316,296	7,643	102,887
Year to Date					
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,137	4,115,509	5,021,237	93,916	1,139,475
Rolling 12 Months Ending in December					
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,137	4,115,509	5,021,237	93,916	1,139,475

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	268	152	76.0%	105	60	162	91	--	--	1	1
Connecticut	18	--	--	--	--	18	--	--	--	--	--
Maine	1	1	69.0%	--	--	1	*	--	--	1	*
Massachusetts	143	91	57.0%	--	--	143	91	--	--	1	*
New Hampshire	105	60	73.0%	105	60	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,755	3,648	2.9%	--	--	3,714	3,626	NM	*	41	22
New Jersey	45	38	18.0%	--	--	45	38	--	--	--	--
New York	181	135	34.0%	--	--	176	129	--	--	5	6
Pennsylvania	3,529	3,475	1.5%	--	--	3,494	3,459	NM	*	35	16
East North Central	16,506	16,665	-1.0%	11,671	11,238	4,741	5,242	8	6	85	179
Illinois	4,561	4,654	-2.0%	586	509	3,920	4,083	2	2	53	59
Indiana	4,230	4,306	-1.7%	3,985	3,887	241	414	4	3	1	1
Michigan	2,683	2,504	7.2%	2,657	2,478	17	19	1	*	8	7
Ohio	3,384	3,207	5.5%	2,814	2,389	563	726	NM	1	6	91
Wisconsin	1,647	1,995	-17.0%	1,630	1,974	--	--	*	*	17	21
West North Central	12,649	12,413	1.9%	12,507	12,267	--	--	9	6	134	140
Iowa	1,991	1,890	5.4%	1,916	1,821	--	--	4	4	71	65
Kansas	1,619	1,785	-9.3%	1,619	1,785	--	--	--	--	--	--
Minnesota	1,505	1,275	18.0%	1,467	1,233	--	--	NM	*	36	42
Missouri	3,905	3,793	3.0%	3,900	3,789	--	--	3	2	2	2
Nebraska	1,409	1,438	-2.0%	1,392	1,414	--	--	--	--	17	24
North Dakota	2,011	2,059	-2.3%	2,004	2,051	--	--	--	--	7	7
South Dakota	209	175	20.0%	209	175	--	--	--	--	--	--
South Atlantic	9,056	9,350	-3.1%	7,359	7,712	1,640	1,568	1	2	55	68
Delaware	50	23	115.0%	--	--	50	23	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,459	1,474	-1.0%	1,454	1,435	--	34	--	--	NM	5
Georgia	1,265	1,915	-34.0%	1,255	1,900	--	--	--	--	10	15
Maryland	557	554	0.5%	--	--	553	550	--	--	4	4
North Carolina	1,510	1,465	3.1%	1,463	1,396	41	62	1	2	6	5
South Carolina	920	892	3.2%	914	878	--	6	--	--	6	8
Virginia	539	411	31.0%	512	374	16	25	NM	1	10	12
West Virginia	2,755	2,616	5.3%	1,760	1,729	980	867	--	--	15	20
East South Central	7,579	6,889	10.0%	7,197	6,510	355	352	NM	*	26	26
Alabama	1,983	1,756	13.0%	1,976	1,749	2	1	--	--	4	5
Kentucky	3,485	3,627	-3.9%	3,485	3,627	--	--	--	--	--	--
Mississippi	455	579	-21.0%	102	228	353	351	--	--	--	--
Tennessee	1,656	927	79.0%	1,634	906	--	--	NM	*	22	20
West South Central	12,610	13,230	-4.7%	6,605	7,017	5,998	6,165	--	--	7	47
Arkansas	1,509	1,507	0.2%	1,287	1,251	220	254	--	--	3	2
Louisiana	1,427	1,445	-1.2%	885	767	543	678	--	--	--	--
Oklahoma	1,525	1,774	-14.0%	1,374	1,661	147	97	--	--	NM	15
Texas	8,149	8,504	-4.2%	3,060	3,338	5,089	5,136	--	--	--	30
Mountain	9,966	10,295	-3.2%	8,887	9,090	1,056	1,178	--	--	23	27
Arizona	1,986	2,064	-3.8%	1,984	2,058	--	--	--	--	NM	6
Colorado	1,779	1,602	11.0%	1,777	1,598	NM	3	--	--	--	--
Idaho	1	3	-43.0%	--	--	--	--	--	--	1	3
Montana	942	1,047	-10.0%	NM	29	915	1,017	--	--	NM	2
Nevada	252	265	-4.8%	188	193	64	71	--	--	--	--
New Mexico	1,317	1,427	-7.7%	1,317	1,427	--	--	--	--	--	--
Utah	1,263	1,292	-2.3%	1,232	1,253	NM	40	--	--	--	--
Wyoming	2,425	2,597	-6.6%	2,363	2,532	NM	48	--	--	18	17
Pacific Contiguous	646	887	-27.0%	207	233	432	646	--	--	7	8
California	37	56	-33.0%	--	--	31	49	--	--	6	7
Oregon	207	233	-11.0%	207	233	--	--	--	--	--	--
Washington	401	598	-33.0%	--	--	400	597	--	--	1	1
Pacific Noncontiguous	110	81	35.0%	18	19	83	49	10	11	NM	4
Alaska	46	50	-7.6%	18	19	19	21	10	11	--	--
Hawaii	64	32	103.0%	--	--	64	28	--	--	NM	4
U.S. Total	73,144	73,610	-0.6%	54,556	54,146	18,181	18,917	28	26	378	521

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	1,537	2,998	-49.0%	520	898	1,006	2,087	--	--	11	12
Connecticut	76	317	-76.0%	--	--	76	317	--	--	--	--
Maine	11	14	-18.0%	--	--	6	7	--	--	5	6
Massachusetts	930	1,769	-47.0%	--	--	924	1,763	--	--	6	6
New Hampshire	520	898	-42.0%	520	898	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	43,713	53,658	-19.0%	NM	16	43,176	53,052	*	1	529	589
New Jersey	833	1,805	-54.0%	--	--	833	1,805	--	--	--	--
New York	2,173	4,528	-52.0%	NM	16	2,095	4,432	--	1	70	80
Pennsylvania	40,708	47,325	-14.0%	--	--	40,249	46,815	*	1	459	509
East North Central	182,753	210,082	-13.0%	128,494	145,150	53,198	63,646	95	112	966	1,174
Illinois	49,148	54,381	-9.6%	6,385	6,478	42,132	47,204	13	14	618	685
Indiana	46,658	52,590	-11.0%	43,545	47,863	3,062	4,678	38	36	13	13
Michigan	30,026	32,451	-7.5%	29,737	32,132	203	193	28	46	57	81
Ohio	37,441	47,611	-21.0%	29,558	35,865	7,800	11,570	13	13	70	162
Wisconsin	19,481	23,049	-15.0%	19,269	22,812	--	--	3	3	209	233
West North Central	135,995	146,881	-7.4%	134,383	145,208	--	--	87	97	1,525	1,576
Iowa	21,790	23,535	-7.4%	20,934	22,677	--	--	45	47	811	811
Kansas	17,759	20,129	-12.0%	17,759	20,129	--	--	--	--	--	--
Minnesota	13,934	17,003	-18.0%	13,490	16,515	--	--	21	24	423	464
Missouri	42,424	46,408	-8.6%	42,380	46,353	--	--	21	26	22	29
Nebraska	15,126	15,908	-4.9%	14,936	15,711	--	--	--	--	190	197
North Dakota	22,979	22,130	3.8%	22,900	22,056	--	--	--	--	79	74
South Dakota	1,982	1,768	12.0%	1,982	1,768	--	--	--	--	--	--
South Atlantic	116,680	140,060	-17.0%	96,738	118,044	19,309	21,139	17	26	615	851
Delaware	694	712	-2.5%	--	--	694	712	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	19,729	22,455	-12.0%	19,091	21,529	588	860	--	--	50	66
Georgia	20,947	29,092	-28.0%	20,836	28,894	--	--	--	--	111	198
Maryland	6,930	8,949	-23.0%	--	--	6,889	8,898	--	--	42	51
North Carolina	20,791	24,452	-15.0%	20,040	23,569	690	811	8	14	53	58
South Carolina	11,746	13,994	-16.0%	11,659	13,807	14	80	--	--	72	107
Virginia	6,296	8,414	-25.0%	5,634	7,453	531	820	9	11	122	130
West Virginia	29,546	31,993	-7.6%	19,477	22,793	9,902	8,959	--	--	166	241
East South Central	84,984	97,157	-13.0%	81,588	94,110	3,081	2,729	5	5	310	314
Alabama	23,126	28,180	-18.0%	23,061	28,098	15	27	--	--	50	54
Kentucky	38,885	42,543	-8.6%	38,885	42,543	--	--	--	--	--	--
Mississippi	5,241	6,203	-16.0%	2,175	3,502	3,066	2,701	--	--	--	--
Tennessee	17,731	20,232	-12.0%	17,466	19,967	--	--	5	5	260	260
West South Central	147,851	166,132	-11.0%	76,768	84,931	70,635	80,650	--	--	448	551
Arkansas	17,048	17,491	-2.5%	14,571	15,123	2,451	2,343	--	--	25	26
Louisiana	14,748	16,717	-12.0%	8,106	8,421	6,640	8,292	--	--	NM	4
Oklahoma	18,465	21,497	-14.0%	17,115	19,993	1,201	1,311	--	--	149	193
Texas	97,590	110,426	-12.0%	36,974	41,394	60,342	68,705	--	--	274	328
Mountain	107,223	110,554	-3.0%	96,213	98,799	10,492	11,195	--	--	518	560
Arizona	21,530	23,307	-7.6%	21,461	23,217	--	--	--	--	69	90
Colorado	19,120	18,541	3.1%	19,086	18,500	34	41	--	--	--	--
Idaho	16	19	-17.0%	--	--	--	--	--	--	16	19
Montana	9,281	9,772	-5.0%	287	298	8,988	9,460	--	--	7	14
Nevada	2,258	2,863	-21.0%	1,630	2,136	628	727	--	--	--	--
New Mexico	14,452	15,496	-6.7%	14,452	15,496	--	--	--	--	--	--
Utah	14,200	15,242	-6.8%	13,627	14,582	356	422	--	--	218	237
Wyoming	26,366	25,313	4.2%	25,670	24,570	487	545	--	--	209	199
Pacific Contiguous	4,682	6,196	-24.0%	1,583	1,985	3,012	4,124	--	--	87	87
California	587	779	-25.0%	--	--	510	699	--	--	78	80
Oregon	1,583	1,985	-20.0%	1,583	1,985	--	--	--	--	--	--
Washington	2,511	3,432	-27.0%	--	--	2,502	3,425	--	--	9	7
Pacific Noncontiguous	1,283	1,221	5.1%	206	175	956	919	105	106	16	21
Alaska	528	512	3.2%	206	175	216	231	105	106	--	--
Hawaii	755	709	6.4%	--	--	739	688	--	--	16	21
U.S. Total	826,700	934,938	-12.0%	616,501	689,316	204,864	239,541	310	347	5,026	5,735

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	38	37	2.9%	4	6	27	23	5	3	2	6
Connecticut	10	10	0.4%	NM	NM	10	10	NM	--	NM	1
Maine	15	9	70.0%	NM	*	13	3	NM	1	2	5
Massachusetts	8	16	-52.0%	1	4	5	10	NM	1	NM	*
New Hampshire	NM	1	NM	1	1	NM	--	NM	*	NM	--
Rhode Island	NM	1	NM	2	1	NM	--	NM	NM	--	--
Vermont	NM	1	NM	NM	*	--	--	NM	*	--	--
Middle Atlantic	69	103	-33.0%	8	13	53	79	NM	2	7	8
New Jersey	NM	3	NM	NM	*	NM	3	NM	*	NM	*
New York	29	52	-44.0%	8	13	13	29	NM	2	7	8
Pennsylvania	38	48	-21.0%	NM	*	37	47	*	1	*	*
East North Central	108	121	-11.0%	91	96	15	23	NM	*	2	3
Illinois	9	17	-47.0%	3	7	6	10	NM	*	NM	*
Indiana	17	27	-36.0%	16	26	NM	--	NM	*	1	2
Michigan	19	20	-0.7%	19	19	--	--	NM	*	*	1
Ohio	58	48	21.0%	49	38	9	10	NM	*	*	*
Wisconsin	4	9	-52.0%	4	6	*	3	NM	*	NM	*
West North Central	52	57	-9.1%	51	53	NM	2	NM	1	NM	1
Iowa	19	10	94.0%	18	9	NM	*	NM	*	NM	*
Kansas	7	8	-12.0%	7	8	--	--	--	--	--	--
Minnesota	3	12	-74.0%	3	9	NM	2	NM	1	NM	*
Missouri	16	10	56.0%	16	10	NM	--	NM	*	--	--
Nebraska	1	5	-73.0%	1	5	--	--	--	--	--	--
North Dakota	4	10	-60.0%	4	10	--	--	NM	*	NM	*
South Dakota	2	2	-23.0%	2	2	NM	*	NM	*	--	--
South Atlantic	129	228	-43.0%	93	151	24	63	NM	1	11	13
Delaware	2	5	-50.0%	NM	*	2	5	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	35	45	-21.0%	28	36	6	5	--	--	1	4
Georgia	10	33	-68.0%	4	28	NM	1	NM	*	5	4
Maryland	13	48	-73.0%	1	2	12	46	NM	*	*	*
North Carolina	20	29	-31.0%	18	26	NM	2	NM	*	1	1
South Carolina	11	17	-37.0%	9	16	--	--	NM	*	1	1
Virginia	16	27	-41.0%	11	20	3	4	NM	*	2	3
West Virginia	21	25	-15.0%	21	25	--	--	--	--	--	--
East South Central	66	103	-35.0%	62	98	NM	*	--	--	4	4
Alabama	20	27	-25.0%	16	23	NM	*	--	--	4	4
Kentucky	23	28	-17.0%	23	28	--	--	--	--	--	--
Mississippi	1	4	-72.0%	1	4	--	--	--	--	*	*
Tennessee	22	44	-50.0%	22	44	--	--	--	--	NM	*
West South Central	35	46	-24.0%	12	19	21	24	NM	*	1	4
Arkansas	7	12	-44.0%	4	11	3	*	--	--	NM	*
Louisiana	14	8	72.0%	4	1	8	4	--	--	1	3
Oklahoma	1	4	-70.0%	1	4	--	--	NM	*	--	--
Texas	13	22	-41.0%	3	2	10	19	NM	*	NM	*
Mountain	40	45	-11.0%	37	42	4	3	NM	*	NM	*
Arizona	4	7	-47.0%	4	7	--	--	NM	*	NM	*
Colorado	4	7	-44.0%	4	7	*	--	--	--	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	2	3	-8.6%	NM	*	2	2	--	--	--	--
Nevada	4	3	30.0%	3	3	1	*	--	--	--	--
New Mexico	12	8	49.0%	12	8	NM	1	--	--	--	--
Utah	6	11	-40.0%	6	11	NM	*	--	--	--	--
Wyoming	7	7	10.0%	7	7	--	--	--	--	NM	*
Pacific Contiguous	14	11	24.0%	7	6	3	3	NM	*	4	3
California	7	6	21.0%	4	5	2	1	NM	*	NM	*
Oregon	1	*	213.0%	1	*	--	--	NM	*	--	--
Washington	6	5	15.0%	NM	1	2	2	NM	*	3	2
Pacific Noncontiguous	1,077	1,200	-10.0%	946	1,055	117	123	NM	1	13	21
Alaska	179	163	10.0%	172	153	--	--	NM	*	7	9
Hawaii	897	1,037	-14.0%	774	902	117	123	*	*	6	12
U.S. Total	1,629	1,952	-17.0%	1,310	1,539	266	343	8	8	44	62

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	857	1,267	-32.0%	120	249	615	860	83	81	40	77
Connecticut	249	369	-32.0%	NM	10	238	355	NM	--	3	4
Maine	221	320	-31.0%	NM	1	176	237	NM	9	37	73
Massachusetts	275	361	-24.0%	33	73	199	265	43	23	NM	NM
New Hampshire	57	143	-60.0%	46	126	NM	1	12	16	NM	*
Rhode Island	NM	28	NM	NM	21	NM	2	NM	5	--	--
Vermont	28	46	-39.0%	NM	19	--	--	18	27	--	--
Middle Atlantic	1,717	2,823	-39.0%	670	916	953	1,785	NM	24	72	97
New Jersey	86	233	-63.0%	NM	10	79	221	NM	1	NM	2
New York	1,063	1,672	-36.0%	664	906	314	658	NM	18	66	90
Pennsylvania	568	918	-38.0%	NM	*	560	906	NM	5	NM	6
East North Central	1,276	1,519	-16.0%	1,063	1,269	182	215	NM	7	28	28
Illinois	131	161	-19.0%	43	56	88	105	NM	*	NM	*
Indiana	227	310	-27.0%	209	289	NM	*	NM	2	NM	19
Michigan	293	374	-22.0%	284	365	*	*	3	4	6	5
Ohio	524	589	-11.0%	431	486	90	101	NM	*	2	2
Wisconsin	101	85	18.0%	96	74	4	10	NM	*	NM	1
West North Central	633	639	-0.9%	618	624	NM	8	NM	3	3	4
Iowa	200	158	27.0%	197	155	NM	3	NM	*	NM	*
Kansas	77	86	-11.0%	77	86	--	--	--	--	--	--
Minnesota	63	56	13.0%	54	48	5	4	NM	2	NM	2
Missouri	161	165	-2.3%	161	164	NM	--	NM	*	--	1
Nebraska	39	70	-45.0%	39	70	--	--	--	--	--	--
North Dakota	70	83	-15.0%	69	81	--	--	NM	*	NM	2
South Dakota	22	21	5.8%	22	20	NM	1	NM	*	--	--
South Atlantic	3,343	5,304	-37.0%	2,564	4,140	605	985	NM	7	169	172
Delaware	47	75	-37.0%	NM	3	45	72	--	--	--	--
District of Columbia	26	275	-91.0%	--	--	26	275	--	--	--	--
Florida	1,378	2,441	-44.0%	1,229	2,375	133	27	--	--	16	39
Georgia	226	233	-3.0%	126	167	NM	7	NM	3	93	56
Maryland	244	467	-48.0%	NM	17	220	447	NM	*	7	3
North Carolina	364	406	-10.0%	343	372	NM	8	NM	*	14	25
South Carolina	199	213	-6.3%	182	192	--	--	NM	1	17	20
Virginia	609	867	-30.0%	417	706	169	129	2	3	22	30
West Virginia	251	327	-23.0%	249	308	2	19	--	--	--	--
East South Central	732	927	-21.0%	690	869	NM	11	--	--	39	47
Alabama	175	228	-23.0%	138	176	NM	11	--	--	34	41
Kentucky	231	256	-9.8%	231	256	--	--	--	--	--	--
Mississippi	29	68	-57.0%	26	65	--	--	--	--	3	4
Tennessee	296	374	-21.0%	295	372	--	--	--	--	NM	2
West South Central	418	494	-15.0%	128	261	268	211	NM	3	20	20
Arkansas	56	96	-41.0%	32	58	23	36	--	--	2	3
Louisiana	74	97	-24.0%	23	49	35	33	--	--	16	14
Oklahoma	20	31	-35.0%	20	30	--	--	NM	*	--	--
Texas	268	271	-1.0%	54	124	210	141	NM	2	NM	3
Mountain	455	488	-6.7%	405	439	48	46	NM	*	NM	2
Arizona	79	98	-20.0%	77	96	--	--	NM	*	NM	2
Colorado	39	56	-31.0%	38	56	*	--	--	*	NM	*
Idaho	NM	*	NM	NM	*	--	--	--	--	--	--
Montana	35	38	-9.0%	NM	5	32	34	--	--	--	--
Nevada	41	28	46.0%	30	20	11	8	--	--	--	--
New Mexico	95	72	32.0%	90	67	NM	5	--	--	--	--
Utah	74	88	-16.0%	74	88	NM	*	--	--	--	--
Wyoming	93	107	-14.0%	92	107	--	--	--	--	NM	*
Pacific Contiguous	174	163	6.8%	88	87	47	37	NM	2	37	37
California	99	88	13.0%	62	64	32	18	NM	1	NM	5
Oregon	13	13	-0.8%	12	12	--	--	NM	*	--	1
Washington	62	62	-0.8%	13	12	15	19	NM	*	33	31
Pacific Noncontiguous	12,920	13,703	-5.7%	11,416	11,989	1,281	1,475	NM	8	217	232
Alaska	1,814	1,613	12.0%	1,711	1,517	--	--	NM	4	NM	92
Hawaii	11,106	12,090	-8.1%	9,705	10,472	1,281	1,475	4	4	117	140
U.S. Total	22,523	27,326	-18.0%	17,759	20,844	4,010	5,633	129	133	625	716

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	6	NM	--	--	--	NM	--	--	NM	5
New Jersey	--	*	-100.0%	--	--	--	--	--	--	--	*
New York	--	NM	NM	--	--	--	NM	--	--	--	--
Pennsylvania	NM	4	NM	--	--	--	--	--	--	NM	4
East North Central	44	67	-34.0%	*	26	39	36	--	--	5	5
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	*	19	-100.0%	*	19	--	--	--	--	--	--
Michigan	4	4	-0.2%	--	--	3	3	--	--	1	*
Ohio	36	33	9.4%	--	--	36	33	--	--	--	*
Wisconsin	4	12	-64.0%	*	8	--	--	--	--	4	4
West North Central	*	*	-60.0%	--	*	--	--	*	*	--	--
Iowa	*	*	-60.0%	--	*	--	--	*	*	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	7	69	-90.0%	3	65	--	--	--	--	4	5
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3	65	-95.0%	3	65	--	--	--	--	--	--
Georgia	4	5	-26.0%	--	--	--	--	--	--	4	5
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	57	29	99.0%	57	29	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	57	29	99.0%	57	29	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	174	155	12.0%	110	132	--	NM	--	--	64	11
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	113	140	-19.0%	110	132	--	--	--	--	3	8
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	60	16	288.0%	--	--	--	NM	--	--	60	3
Mountain	16	17	-5.5%	--	--	16	17	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	16	17	-5.5%	--	--	16	17	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	22	NM	--	--	NM	22	--	--	--	--
California	NM	22	NM	--	--	NM	22	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	300	365	-18.0%	170	252	56	88	*	*	74	25

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	13	121	-89.0%	--	--	--	94	--	--	13	27
New Jersey	--	6	-100.0%	--	--	--	--	--	--	--	6
New York	--	94	-100.0%	--	--	--	94	--	--	--	--
Pennsylvania	13	21	-37.0%	--	--	--	--	--	--	13	21
East North Central	712	933	-24.0%	236	438	421	435	--	--	55	60
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	204	286	-29.0%	204	286	--	--	--	--	--	--
Michigan	44	47	-6.7%	--	--	34	31	--	--	10	16
Ohio	388	403	-3.9%	--	--	387	403	--	--	*	*
Wisconsin	76	196	-61.0%	31	152	--	--	--	--	45	44
West North Central	6	42	-85.0%	5	41	--	--	1	1	--	--
Iowa	6	28	-79.0%	5	28	--	--	1	1	--	--
Kansas	--	13	-100.0%	--	13	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	298	766	-61.0%	246	695	--	--	--	--	52	71
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	246	695	-65.0%	246	695	--	--	--	--	--	--
Georgia	52	71	-26.0%	--	--	--	--	--	--	52	71
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	549	608	-9.7%	549	608	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	549	608	-9.7%	549	608	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,705	2,019	-16.0%	1,076	1,667	25	225	--	--	603	128
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,121	1,750	-36.0%	1,076	1,667	--	--	--	--	45	83
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	584	269	117.0%	--	--	25	225	--	--	558	44
Mountain	172	168	2.2%	--	--	172	168	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	172	168	2.2%	--	--	172	168	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	97	356	-73.0%	--	--	97	356	--	--	--	--
California	97	356	-73.0%	--	--	97	356	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	3,552	5,012	-29.0%	2,112	3,449	715	1,277	1	1	724	286

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	28,523	35,716	-20.0%	NM	NM	26,192	33,292	507	540	1,677	1,771
Connecticut	9,754	9,394	3.8%	NM	NM	9,405	8,997	NM	178	NM	152
Maine	2,979	4,961	-40.0%	--	--	1,528	3,432	NM	1	1,450	1,527
Massachusetts	8,717	11,634	-25.0%	88	41	8,236	11,191	307	322	NM	81
New Hampshire	3,497	4,476	-22.0%	*	1	3,488	4,465	--	--	NM	11
Rhode Island	3,572	5,246	-32.0%	--	--	3,535	5,207	NM	39	--	--
Vermont	4	4	18.0%	4	4	--	--	--	--	--	--
Middle Atlantic	75,026	75,539	-0.7%	9,995	9,121	63,586	64,833	656	670	789	915
New Jersey	10,921	14,660	-26.0%	--	--	10,551	14,226	NM	61	312	372
New York	34,219	32,802	4.3%	9,993	9,117	23,523	22,976	558	559	145	150
Pennsylvania	29,886	28,078	6.4%	NM	5	29,512	27,631	NM	49	333	393
East North Central	31,242	35,407	-12.0%	12,118	14,851	17,730	19,262	679	632	715	662
Illinois	2,532	2,030	25.0%	103	411	1,942	1,186	296	327	191	106
Indiana	6,451	9,622	-33.0%	4,486	7,516	1,702	1,762	NM	29	242	315
Michigan	4,571	9,197	-50.0%	1,067	2,523	3,159	6,321	175	206	170	147
Ohio	13,024	9,888	32.0%	3,693	1,946	9,141	7,884	NM	22	NM	36
Wisconsin	4,665	4,671	-0.1%	2,770	2,455	1,785	2,110	NM	48	76	59
West North Central	8,560	5,272	62.0%	7,756	4,619	543	328	116	271	145	55
Iowa	1,067	229	367.0%	1,029	227	--	*	NM	1	NM	1
Kansas	746	939	-21.0%	745	939	--	--	--	--	2	*
Minnesota	4,638	2,159	115.0%	4,093	1,642	375	318	109	170	61	30
Missouri	1,857	1,858	0.0%	1,685	1,742	168	11	2	100	NM	5
Nebraska	NM	75	NM	54	59	--	--	NM	*	NM	16
North Dakota	NM	4	NM	--	*	--	--	--	--	NM	4
South Dakota	NM	9	NM	NM	9	--	--	--	--	--	--
South Atlantic	140,475	125,296	12.0%	112,155	98,366	25,851	25,378	NM	98	2,205	1,454
Delaware	4,031	4,007	0.6%	NM	17	3,397	3,653	--	--	627	337
District of Columbia	NM	79	NM	--	79	--	--	NM	--	--	--
Florida	78,046	74,898	4.2%	71,072	69,258	6,088	4,930	NM	13	869	696
Georgia	25,757	14,797	74.0%	17,212	7,282	8,036	7,324	--	--	509	191
Maryland	1,462	816	79.0%	--	--	1,272	622	NM	84	NM	110
North Carolina	10,606	8,627	23.0%	8,694	7,074	1,858	1,520	7	*	NM	33
South Carolina	7,163	8,001	-10.0%	6,801	7,258	NM	716	*	*	40	27
Virginia	13,291	14,015	-5.2%	8,369	7,380	4,836	6,576	--	--	86	59
West Virginia	NM	56	NM	*	16	42	39	--	--	NM	1
East South Central	54,730	54,965	-0.4%	29,628	29,038	22,867	24,938	NM	90	2,158	900
Alabama	30,047	32,896	-8.7%	9,156	9,895	20,209	22,340	--	--	683	661
Kentucky	742	578	28.0%	597	490	NM	22	--	--	NM	66
Mississippi	18,826	19,213	-2.0%	14,843	16,475	2,644	2,576	NM	9	1,329	153
Tennessee	5,115	2,278	125.0%	5,032	2,178	--	--	NM	81	16	20
West South Central	163,879	170,707	-4.0%	45,317	46,865	78,112	85,821	NM	257	40,135	37,765
Arkansas	5,224	5,827	-10.0%	NM	1,425	4,757	4,274	NM	*	112	128
Louisiana	38,823	32,105	21.0%	17,055	11,102	4,585	4,064	NM	19	17,160	16,920
Oklahoma	15,138	16,276	-7.0%	12,174	12,268	2,894	3,961	NM	4	NM	43
Texas	104,694	116,498	-10.0%	15,733	22,070	65,876	73,521	270	234	22,815	20,673
Mountain	37,971	44,621	-15.0%	24,509	30,208	12,583	13,617	NM	163	700	634
Arizona	7,161	9,400	-24.0%	3,603	4,898	3,497	4,471	NM	27	NM	4
Colorado	5,534	8,087	-32.0%	3,136	6,601	2,381	1,470	--	*	NM	16
Idaho	696	1,726	-60.0%	162	316	461	1,383	--	--	74	27
Montana	NM	340	NM	NM	331	NM	9	--	--	--	--
Nevada	15,367	13,665	12.0%	11,159	10,038	4,019	3,445	NM	52	NM	131
New Mexico	5,026	7,047	-29.0%	3,166	4,542	1,740	2,371	NM	85	NM	49
Utah	3,816	4,053	-5.8%	3,213	3,453	480	461	NM	*	NM	139
Wyoming	313	304	2.8%	NM	28	NM	8	--	--	295	269
Pacific Contiguous	74,464	90,715	-18.0%	24,563	34,125	42,000	47,841	1,226	1,588	6,676	7,161
California	66,253	72,293	-8.4%	21,403	24,258	37,080	39,450	1,189	1,501	6,580	7,083
Oregon	5,766	11,651	-51.0%	1,185	4,289	4,503	7,234	NM	80	42	49
Washington	2,446	6,771	-64.0%	1,974	5,578	417	1,157	NM	7	53	29
Pacific Noncontiguous	3,038	3,816	-20.0%	2,975	3,737	--	--	NM	1	NM	78
Alaska	3,038	3,816	-20.0%	2,975	3,737	--	--	NM	1	NM	78
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	617,909	642,055	-3.8%	269,163	271,041	289,464	315,311	4,022	4,309	55,260	51,394

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	458,705	461,590	-0.6%	4,435	4,218	428,260	432,350	6,154	6,287	19,857	18,735
Connecticut	119,560	110,546	8.2%	830	730	114,749	105,965	2,046	2,061	1,934	1,790
Maine	44,791	49,352	-9.2%	--	--	28,429	33,555	NM	12	16,347	15,785
Massachusetts	182,406	190,063	-4.0%	2,813	2,393	174,642	182,865	3,494	3,761	1,457	1,045
New Hampshire	50,529	46,927	7.7%	754	1,046	49,656	45,765	--	--	NM	115
Rhode Island	61,382	64,652	-5.1%	--	--	60,784	64,198	598	453	--	--
Vermont	38	49	-22.0%	38	49	--	--	--	--	--	--
Middle Atlantic	1,091,859	919,372	19.0%	137,734	128,822	936,762	773,751	7,363	6,385	10,000	10,414
New Jersey	208,400	188,343	11.0%	--	--	203,706	183,312	765	744	3,929	4,287
New York	495,953	426,610	16.0%	137,645	128,772	350,559	290,943	5,974	5,122	1,776	1,772
Pennsylvania	387,506	304,420	27.0%	NM	50	382,497	299,495	624	519	4,295	4,356
East North Central	634,994	371,576	71.0%	235,036	138,800	380,408	216,434	8,891	7,745	10,659	8,597
Illinois	91,792	49,876	84.0%	13,429	10,104	72,067	33,739	3,529	3,580	2,767	2,453
Indiana	114,325	80,758	42.0%	85,949	56,214	24,286	20,711	308	277	3,782	3,556
Michigan	169,367	99,748	70.0%	41,632	25,010	122,902	71,784	2,215	1,415	2,618	1,539
Ohio	171,351	93,220	84.0%	46,137	23,897	122,576	66,884	2,125	1,979	513	460
Wisconsin	88,159	47,975	84.0%	47,889	23,575	38,576	23,317	714	493	980	590
West North Central	170,333	113,993	49.0%	145,698	99,437	20,493	11,622	2,884	2,111	1,258	823
Iowa	16,647	9,963	67.0%	16,488	9,893	NM	*	NM	35	NM	35
Kansas	32,212	30,508	5.6%	32,118	30,501	--	--	--	--	NM	7
Minnesota	57,834	29,484	96.0%	46,631	22,369	9,010	5,419	1,718	1,345	476	352
Missouri	51,645	37,796	37.0%	39,047	30,862	11,481	6,203	1,090	714	NM	17
Nebraska	8,587	4,563	88.0%	8,120	4,223	--	--	NM	17	445	324
North Dakota	115	89	29.0%	NM	*	--	--	--	--	113	88
South Dakota	3,292	1,589	107.0%	3,292	1,589	--	--	--	--	--	--
South Atlantic	2,024,415	1,647,571	23.0%	1,556,706	1,289,259	441,422	341,903	2,388	2,315	23,900	14,093
Delaware	60,821	40,908	49.0%	NM	172	53,798	38,620	--	--	6,783	2,115
District of Columbia	1,115	1,003	11.0%	978	1,003	--	--	NM	--	--	--
Florida	1,140,556	1,050,028	8.6%	1,034,516	956,166	96,206	85,329	NM	181	9,605	8,352
Georgia	312,198	197,831	58.0%	182,874	96,581	125,324	99,567	--	--	4,000	1,682
Maryland	51,119	23,084	121.0%	--	--	47,914	20,026	1,965	2,124	1,240	934
North Carolina	151,636	90,156	68.0%	127,610	71,379	23,390	18,420	42	5	594	352
South Carolina	114,563	100,013	15.0%	98,586	86,623	15,466	13,227	NM	5	497	158
Virginia	190,005	141,946	34.0%	111,469	76,938	77,401	64,532	--	--	1,135	477
West Virginia	2,402	2,603	-7.7%	435	398	1,923	2,181	--	--	45	24
East South Central	805,136	640,447	26.0%	442,325	349,841	347,522	278,444	1,017	949	14,273	11,214
Alabama	405,221	349,641	16.0%	111,325	106,303	285,915	236,041	--	--	7,981	7,296
Kentucky	33,055	17,343	91.0%	27,743	13,927	3,691	1,647	--	--	1,621	1,769
Mississippi	302,795	245,953	23.0%	240,296	203,296	57,915	40,755	NM	115	4,461	1,787
Tennessee	64,064	27,510	133.0%	62,961	26,314	--	--	895	834	209	362
West South Central	2,575,205	2,384,064	8.0%	823,334	786,526	1,304,534	1,162,264	4,152	3,851	443,185	431,422
Arkansas	124,996	101,960	23.0%	24,907	29,389	98,857	71,364	NM	5	1,227	1,202
Louisiana	496,507	462,060	7.5%	229,007	225,596	79,033	50,678	NM	262	188,199	185,523
Oklahoma	320,580	264,642	21.0%	233,321	202,132	86,463	61,912	229	138	568	460
Texas	1,633,122	1,555,402	5.0%	336,099	329,409	1,040,180	978,309	3,651	3,447	253,192	244,237
Mountain	647,078	556,922	16.0%	390,720	350,199	246,315	198,247	2,113	2,016	7,931	6,460
Arizona	229,459	181,309	27.0%	111,011	80,898	117,806	99,878	584	511	NM	23
Colorado	86,332	84,305	2.4%	47,905	68,541	38,180	15,571	28	28	219	164
Idaho	14,133	8,376	69.0%	4,784	1,615	8,936	6,293	--	--	413	467
Montana	1,573	4,681	-66.0%	1,356	4,571	NM	110	--	--	--	--
Nevada	188,363	161,699	16.0%	136,828	113,552	49,095	46,006	631	606	1,809	1,535
New Mexico	72,585	72,235	0.5%	46,708	45,308	24,420	25,548	865	871	592	509
Utah	51,032	41,389	23.0%	41,621	35,377	7,502	4,761	NM	*	1,905	1,250
Wyoming	3,602	2,929	23.0%	NM	338	NM	80	--	--	2,936	2,511
Pacific Contiguous	1,013,985	745,740	36.0%	336,996	257,246	588,542	404,093	14,030	15,492	74,417	68,909
California	891,761	650,871	37.0%	276,103	210,336	528,703	357,290	13,448	15,054	73,507	68,190
Oregon	81,943	60,164	36.0%	27,982	19,864	52,954	39,474	524	403	482	423
Washington	40,281	34,705	16.0%	32,910	27,046	6,885	7,329	57	34	428	297
Pacific Noncontiguous	43,497	42,591	2.1%	42,525	41,738	--	--	NM	19	944	834
Alaska	43,497	42,591	2.1%	42,525	41,738	--	--	NM	19	944	834
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	9,465,207	7,883,865	20.0%	4,115,509	3,446,087	4,694,256	3,819,107	49,019	47,170	606,423	571,501

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

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

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
2002	141,714	43,935	1,711	116,952	29,601	328	24,761	14,334	1,383
2003	121,567	45,752	1,484	97,831	28,062	378	23,736	17,691	1,105
2004	106,669	46,750	937	84,917	29,144	627	21,751	17,607	309
2005	101,137	47,414	530	77,457	29,532	374	23,680	17,882	156
2006	140,964	48,216	674	110,277	29,799	456	30,688	18,416	217
2007	151,221	44,433	554	120,504	28,032	253	30,717	16,401	301
2008	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	184,923	31,897	495	151,113	23,901	414	33,810	7,995	81
2010, End of Month Stocks									
January	178,091	37,426	1,406	146,174	24,732	1,178	31,917	12,693	228
February	171,026	38,163	1,280	140,533	25,561	1,045	30,493	12,602	235
March	177,742	38,137	1,240	145,182	25,578	983	32,559	12,558	258
April	189,260	37,875	1,243	152,253	25,360	1,022	37,007	12,516	221
May	191,669	37,355	1,188	153,295	25,019	986	38,374	12,336	202
June	181,490	36,623	1,117	146,130	24,305	943	35,359	12,318	174
July	169,504	35,627	1,046	138,240	23,858	907	31,265	11,769	139
August	159,987	35,317	1,112	131,072	23,887	976	28,915	11,430	136
Sept	163,776	36,208	1,158	133,943	24,857	1,017	29,833	11,350	141
October	175,686	36,857	1,197	143,363	25,309	1,006	32,323	11,548	191
November	183,389	36,926	1,098	149,066	25,660	894	34,323	11,266	204
December	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011, End of Month Stocks									
January	164,575	35,116	799	134,983	24,759	657	29,591	10,357	142
February	161,064	34,662	707	131,893	24,552	594	29,171	10,110	113
March	166,255	34,318	495	135,359	24,448	437	30,896	9,870	59
April	173,427	33,895	526	141,094	24,222	463	32,334	9,672	63
May	174,093	33,745	563	140,536	24,187	490	33,557	9,557	73
June	165,149	35,339	496	133,988	25,847	433	31,161	9,492	64
July	147,296	34,903	463	120,226	25,535	411	27,070	9,368	52
August	138,527	34,637	437	113,210	25,297	379	25,317	9,339	58
Sept	143,711	34,666	385	118,038	25,313	332	25,673	9,353	53
October	156,196	35,293	440	128,170	25,756	346	28,026	9,536	94
November	167,754	35,437	494	137,122	25,967	391	30,632	9,470	102
December	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012, End of Month Stocks									
January	179,030	34,679	443	144,748	25,528	324	34,283	9,151	119
February	185,901	34,431	420	150,454	25,307	293	35,447	9,124	127
March	194,455	34,483	500	157,779	25,426	351	36,676	9,057	149
April	201,368	34,263	507	162,262	25,283	332	39,106	8,980	174
May	202,184	33,852	459	163,185	24,982	270	38,999	8,869	190
June	197,052	33,553	519	158,611	24,833	287	38,441	8,720	232
July	183,119	33,250	474	148,872	24,757	216	34,246	8,492	258
August	177,246	32,372	413	145,187	24,111	198	32,059	8,261	216
Sept	180,648	31,985	358	148,076	23,908	267	32,572	8,076	90
October	184,661	31,734	398	151,440	23,701	339	33,222	8,033	59
November	186,633	31,683	423	152,764	23,710	346	33,869	7,974	77
December	184,923	31,897	495	151,113	23,901	414	33,810	7,995	81

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

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

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	December 2012	December 2011	Percentage Change	December 2012	December 2011	Percentage Change	December 2012	December 2011	Percentage Change
New England	1,029	1,389	-26.0%	2,079	2,680	-22.0%	--	--	--
Connecticut	W	W	W	909	954	-4.7%	--	--	--
Maine	--	--	--	W	W	W	--	--	--
Massachusetts	W	675	W	826	990	-17.0%	--	--	--
New Hampshire	W	W	W	W	W	W	--	--	--
Rhode Island	--	--	--	W	W	W	--	--	--
Vermont	--	--	--	49	49	-1.4%	--	--	--
Middle Atlantic	7,616	7,800	-2.4%	5,570	6,591	-15.0%	W	W	W
New Jersey	926	871	6.3%	1,080	1,113	-3.0%	--	--	--
New York	624	898	-31.0%	3,535	4,276	-17.0%	--	--	--
Pennsylvania	6,067	6,031	0.6%	955	1,201	-21.0%	W	W	W
East North Central	35,600	37,262	-4.5%	1,324	1,581	-16.0%	56	W	W
Illinois	8,083	8,905	-9.2%	118	139	-15.0%	--	--	--
Indiana	9,265	9,094	1.9%	122	128	-5.1%	--	--	--
Michigan	6,635	6,512	1.9%	521	666	-22.0%	W	W	W
Ohio	6,448	7,331	-12.0%	325	364	-11.0%	W	W	W
Wisconsin	5,169	5,420	-4.6%	239	285	-16.0%	W	W	W
West North Central	30,693	28,544	7.5%	1,019	1,297	-21.0%	--	W	W
Iowa	8,726	7,199	21.0%	151	161	-6.6%	--	W	W
Kansas	3,741	3,669	2.0%	154	272	-43.0%	--	--	--
Minnesota	2,687	3,247	-17.0%	162	195	-17.0%	--	--	--
Missouri	10,300	8,210	25.0%	317	327	-2.9%	--	--	--
Nebraska	3,292	3,607	-8.7%	129	210	-39.0%	--	--	--
North Dakota	W	W	W	29	37	-23.0%	--	--	--
South Dakota	W	W	W	78	95	-18.0%	--	--	--
South Atlantic	39,164	36,920	6.1%	13,551	14,316	-5.3%	W	W	W
Delaware	W	W	W	395	402	-1.6%	--	--	--
District of Columbia	--	--	--	--	93	-100.0%	--	--	--
Florida	W	6,374	W	7,108	7,789	-8.8%	W	W	W
Georgia	9,970	7,885	26.0%	914	895	2.2%	--	--	--
Maryland	1,544	1,860	-17.0%	778	833	-6.6%	--	--	--
North Carolina	7,311	6,642	10.0%	1,108	1,033	7.3%	--	--	--
South Carolina	6,293	6,527	-3.6%	660	597	11.0%	W	W	W
Virginia	2,181	2,480	-12.0%	2,438	2,530	-3.6%	--	--	--
West Virginia	5,644	W	W	150	145	3.1%	W	W	W
East South Central	19,599	17,185	14.0%	1,928	2,064	-6.6%	W	W	W
Alabama	6,115	4,499	36.0%	279	318	-12.0%	--	--	--
Kentucky	8,367	7,357	14.0%	258	264	-2.3%	W	W	W
Mississippi	1,964	1,450	35.0%	560	562	-0.4%	--	--	--
Tennessee	3,153	3,879	-19.0%	832	921	-9.6%	--	--	--
West South Central	28,550	22,910	25.0%	2,567	2,560	0.3%	W	W	W
Arkansas	4,237	3,590	18.0%	245	157	56.0%	--	--	--
Louisiana	3,342	2,331	43.0%	667	605	10.0%	W	W	W
Oklahoma	4,427	3,872	14.0%	212	196	8.2%	--	--	--
Texas	16,545	13,117	26.0%	1,443	1,602	-9.9%	W	--	W
Mountain	20,508	18,543	11.0%	689	677	1.8%	W	W	W
Arizona	4,235	2,750	54.0%	211	229	-7.6%	--	--	--
Colorado	4,107	4,342	-5.4%	145	139	4.1%	--	--	--
Idaho	--	--	--	W	W	W	--	--	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	W	W	W	180	180	-0.3%	--	--	--
New Mexico	W	W	W	57	34	65.0%	--	--	--
Utah	4,679	4,947	-5.4%	44	39	13.0%	--	--	--
Wyoming	4,144	3,275	27.0%	30	38	-22.0%	--	--	--
Pacific Contiguous	W	W	W	386	424	-9.0%	W	5	W
California	52	W	W	204	199	2.8%	W	5	W
Oregon	W	W	W	W	W	W	--	--	--
Washington	W	W	W	W	W	W	--	--	--
Pacific Noncontiguous	W	W	W	2,782	2,656	4.8%	--	--	--
Alaska	W	W	W	221	283	-22.0%	--	--	--
Hawaii	W	W	W	2,561	2,373	7.9%	--	--	--
U.S. Total	184,923	172,387	7.3%	31,897	34,847	-8.5%	495	508	-2.6%

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

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

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011
Coal (Thousand Tons)							
New England	1,029	1,389	-26.0%	W	W	W	W
Middle Atlantic	7,616	7,800	-2.4%	W	W	W	W
East North Central	35,600	37,262	-4.5%	27,211	27,316	8,389	9,946
West North Central	30,693	28,544	7.5%	30,693	28,544	--	--
South Atlantic	39,164	36,920	6.1%	35,661	33,163	3,503	3,757
East South Central	19,599	17,185	14.0%	19,599	17,185	--	--
West South Central	28,550	22,910	24.6%	16,790	15,125	11,760	7,785
Mountain	20,508	18,543	10.6%	19,381	W	1,127	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**184,923**	**172,387**	**7.3%**	**151,113**	**142,103**	**33,810**	**30,284**
Petroleum Liquids (Thousand Barrels)							
New England	2,079	2,680	-22.4%	448	703	1,632	1,978
Middle Atlantic	5,570	6,591	-15.5%	2,501	2,931	3,069	3,660
East North Central	1,324	1,581	-16.3%	1,095	1,313	229	268
West North Central	1,019	1,297	-21.4%	989	1,260	30	37
South Atlantic	13,551	14,316	-5.3%	11,302	11,933	2,249	2,383
East South Central	1,928	2,064	-6.6%	W	W	W	W
West South Central	2,567	2,560	0.3%	1,966	1,901	601	659
Mountain	689	677	1.8%	W	W	W	W
Pacific Contiguous	386	424	-9.0%	W	331	W	93
Pacific Noncontiguous	2,782	2,656	4.8%	W	W	W	W
U.S. Total	**31,897**	**34,847**	**-8.5%**	**23,901**	**25,648**	**7,995**	**9,198**
Petroleum Coke (Thousand Tons)							
New England	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
East North Central	56	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	W	W	W	W	W	W	--
Mountain	W	W	W	--	--	W	W
Pacific Contiguous	W	5	W	--	--	W	5
Pacific Noncontiguous	--	--	--	--	--	--	--
U.S. Total	**495**	**508**	**-2.6%**	**414**	**404**	**81**	**104**

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

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

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
2002	70,704	66,593	4,417	141,714
2003	57,716	59,884	3,967	121,567
2004	49,022	53,618	4,029	106,669
2005	52,923	44,377	3,836	101,137
2006	67,760	68,408	4,797	140,964
2007	63,964	82,692	4,565	151,221
2008	65,818	91,214	4,556	161,589
2009	91,922	92,448	5,097	189,467
2010	81,108	86,915	6,894	174,917
2011	82,056	85,151	5,179	172,387
2012	87,200	92,861	4,861	184,923
2010, End of Month Stocks				
January	86,354	86,893	4,845	178,091
February	82,469	83,721	4,836	171,026
March	86,698	86,014	5,030	177,742
April	92,621	89,545	7,095	189,260
May	93,069	91,514	7,085	191,669
June	87,123	87,299	7,068	181,490
July	80,465	81,933	7,107	169,504
August	76,303	77,081	6,604	159,987
Sept	78,201	78,906	6,669	163,776
October	84,103	84,992	6,592	175,686
November	87,548	88,880	6,961	183,389
December	81,108	86,915	6,894	174,917
2011, End of Month Stocks				
January	76,100	82,111	6,364	164,575
February	75,549	79,101	6,414	161,064
March	77,414	82,337	6,504	166,255
April	79,734	86,900	6,793	173,427
May	79,250	88,099	6,744	174,093
June	75,011	83,599	6,539	165,149
July	66,549	74,518	6,229	147,296
August	64,584	67,775	6,168	138,527
Sept	66,763	70,804	6,144	143,711
October	74,236	75,766	6,193	156,196
November	79,726	81,302	6,726	167,754
December	82,056	85,151	5,179	172,387
2012, End of Month Stocks				
January	83,710	90,305	5,015	179,030
February	87,411	93,769	4,721	185,901
March	90,379	99,339	4,737	194,455
April	93,459	102,940	4,970	201,368
May	93,830	103,155	5,199	202,184
June	92,246	99,658	5,148	197,052
July	83,802	94,403	4,913	183,119
August	80,877	91,417	4,951	177,246
Sept	82,610	93,242	4,795	180,648
October	86,214	93,729	4,718	184,661
November	87,226	94,666	4,740	186,633
December	87,200	92,861	4,861	184,923

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2002 - December 2012

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2002	17,981,987	884,287	1.25	25.52	0.94	88.0	623,354	98,581	3.87	24.45	0.89	67.2
2003	19,989,772	986,026	1.28	26.00	0.97	95.6	980,983	156,338	4.94	31.02	0.83	82.6
2004	20,188,633	1,002,032	1.36	27.42	0.97	95.9	958,046	151,821	5.00	31.58	0.88	81.7
2005	20,647,307	1,021,437	1.54	31.20	0.98	95.9	986,258	157,221	7.59	47.61	0.77	84.7
2006	21,735,101	1,079,943	1.69	34.09	0.97	102.5	406,869	65,002	8.68	54.35	0.73	74.0
2007	21,152,358	1,054,664	1.77	35.48	0.96	98.6	375,260	60,068	9.59	59.93	0.71	62.6
2008	21,280,258	1,069,709	2.07	41.14	0.97	100.5	375,684	61,139	15.52	95.38	0.61	99.6
2009	19,437,966	981,477	2.21	43.74	1.01	102.8	330,043	54,181	10.25	62.47	0.54	104.8
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1
2011	18,528,101	948,668	2.39	46.70	1.19	99.2	216,752	36,158	19.94	119.54	0.60	116.1
2012	16,459,166	849,667	2.40	46.58	1.26	100.3	151,815	25,485	21.82	129.99	0.51	101.0
2010												
January	1,516,857	77,092	2.23	43.79	1.12	83.1	33,911	5,604	13.38	80.98	0.56	90.5
February	1,454,951	73,655	2.27	44.80	1.17	89.8	18,686	3,101	13.60	81.93	0.51	116.6
March	1,678,040	84,412	2.31	45.98	1.17	107.7	19,184	3,174	13.85	83.71	0.45	126.3
April	1,569,056	78,733	2.29	45.71	1.19	113.8	12,112	2,039	14.82	88.02	0.36	86.2
May	1,584,118	80,404	2.26	44.59	1.16	103.5	21,833	3,593	13.77	83.68	0.61	102.4
June	1,556,526	79,414	2.25	44.05	1.15	89.2	25,290	4,149	13.30	81.08	0.59	86.6
July	1,622,967	83,033	2.27	44.37	1.09	85.8	31,476	5,147	13.33	81.53	0.49	91.6
August	1,757,445	88,879	2.30	45.43	1.16	92.0	28,352	4,619	13.29	81.55	0.58	100.8
Sept	1,655,524	84,275	2.28	44.70	1.15	103.7	25,145	4,105	13.41	82.16	0.59	130.0
October	1,689,804	85,931	2.27	44.57	1.17	118.4	17,375	2,892	14.93	89.71	0.42	119.2
November	1,601,707	81,626	2.26	44.27	1.19	109.6	19,248	3,286	15.77	92.35	0.42	135.1
December	1,602,665	82,464	2.23	43.34	1.15	91.0	22,447	3,764	16.45	98.12	0.37	79.7
2011												
January	1,608,143	82,379	2.32	45.39	1.17	89.3	22,658	3,777	16.79	100.70	0.66	97.8
February	1,454,404	73,875	2.35	46.29	1.23	97.9	15,830	2,657	17.98	107.13	0.65	108.6
March	1,565,674	80,452	2.34	45.56	1.14	108.0	18,710	3,111	19.48	117.17	0.60	124.8
April	1,453,795	74,389	2.38	46.50	1.17	108.1	17,501	2,907	20.17	121.42	0.44	106.2
May	1,477,567	75,079	2.43	47.88	1.21	99.7	22,348	3,663	19.03	116.10	0.79	142.1
June	1,482,372	75,431	2.40	47.18	1.22	87.8	21,398	3,546	21.43	129.32	0.66	134.2
July	1,513,128	77,174	2.45	47.95	1.21	80.3	17,161	2,880	21.34	127.15	0.50	90.1
August	1,672,553	84,971	2.47	48.63	1.21	90.3	14,448	2,409	19.26	115.53	0.53	93.6
Sept	1,620,960	83,169	2.44	47.52	1.20	106.0	14,745	2,463	20.87	124.97	0.56	116.5
October	1,606,941	82,470	2.39	46.57	1.19	115.6	19,618	3,265	20.99	126.11	0.53	152.2
November	1,520,071	78,595	2.37	45.85	1.19	114.3	17,081	2,898	21.12	124.45	0.54	136.5
December	1,552,493	80,685	2.34	45.12	1.18	107.0	15,253	2,582	21.73	128.38	0.57	115.4
2012												
January	1,509,404	78,597	2.43	46.67	1.20	108.0	15,063	2,523	21.71	129.57	0.52	116.5
February	1,361,534	70,174	2.40	46.53	1.30	108.6	10,834	1,822	22.24	132.26	0.51	102.9
March	1,297,040	66,648	2.41	46.86	1.26	112.7	12,009	1,993	22.11	133.21	0.54	109.6
April	1,186,122	60,281	2.44	48.01	1.32	112.9	10,588	1,785	23.49	139.30	0.54	91.4
May	1,264,178	64,833	2.44	47.54	1.31	100.2	12,000	2,029	22.76	134.57	0.53	95.1
June	1,307,867	67,646	2.38	46.01	1.32	92.2	14,859	2,479	21.84	130.96	0.51	94.1
July	1,416,145	73,473	2.41	46.54	1.21	83.2	15,113	2,519	20.37	122.21	0.50	86.6
August	1,521,653	78,387	2.42	46.99	1.24	92.7	13,466	2,260	20.97	124.94	0.52	101.0
Sept	1,399,185	72,702	2.39	46.04	1.22	102.3	9,982	1,658	21.97	132.25	0.51	90.9
October	1,411,063	72,944	2.38	46.00	1.25	106.5	11,202	1,884	22.48	133.61	0.45	89.5
November	1,401,925	72,397	2.38	46.01	1.27	101.0	11,962	2,016	22.34	132.53	0.49	109.3
December	1,383,049	71,584	2.38	46.00	1.29	95.5	14,738	2,516	20.65	121.00	0.54	136.8
Year to Date												
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1
2011	18,528,101	948,668	2.39	46.70	1.19	99.2	216,752	36,158	19.94	119.54	0.60	116.1
2012	16,459,166	849,667	2.40	46.58	1.26	100.3	151,815	25,485	21.82	129.99	0.51	101.0

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

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

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2002 - December 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2002	127,362	4,454	0.78	22.32	4.96	60.6	5,749,844	5,607,737	3.56	3.65	80.3	1.86
2003	165,378	5,846	0.72	20.39	5.31	82.7	5,663,023	5,500,704	5.39	5.55	86.8	2.28
2004	196,606	6,967	0.83	23.48	5.08	79.9	5,890,750	5,734,054	5.96	6.12	85.2	2.48
2005	211,776	7,502	1.11	31.35	5.15	82.3	6,356,868	6,181,717	8.21	8.44	88.1	3.25
2006	203,270	7,193	1.33	37.46	5.15	83.4	6,855,680	6,675,246	6.94	7.13	90.2	3.02
2007	161,091	5,656	1.51	43.02	5.07	77.5	7,396,233	7,200,316	7.11	7.30	90.4	3.23
2008	199,724	7,040	2.11	59.72	4.98	111.5	8,089,467	7,879,046	9.01	9.26	102.5	4.12
2009	197,921	6,954	1.61	45.89	4.63	119.3	8,319,329	8,118,550	4.74	4.86	102.3	3.04
2010	169,508	5,963	2.28	64.85	4.79	98.5	8,867,396	8,673,070	5.09	5.20	102.0	3.26
2011	171,100	5,980	3.03	86.78	4.75	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.30
2012	139,210	4,858	2.54	72.79	5.43	101.0	10,872,094	10,631,822	3.40	3.48	102.5	2.90
2010												
January	15,526	545	1.72	48.97	4.74	103.8	674,318	659,430	6.71	6.86	102.5	3.74
February	9,904	347	1.80	51.44	4.56	70.0	591,685	578,727	6.07	6.20	102.3	3.45
March	13,712	482	2.09	59.50	4.54	92.3	574,306	561,969	5.29	5.40	102.8	3.16
April	14,428	506	2.18	62.25	4.97	110.5	581,459	568,443	4.71	4.82	102.2	3.01
May	12,976	455	2.22	63.33	4.77	91.2	677,034	662,077	4.79	4.90	102.3	3.12
June	14,387	506	2.15	61.02	5.01	86.3	827,276	809,085	5.12	5.24	101.6	3.34
July	16,160	573	2.42	68.18	4.66	93.5	1,033,717	1,011,011	5.18	5.30	101.4	3.51
August	17,868	629	2.65	75.40	4.77	123.3	1,083,879	1,060,006	4.92	5.03	101.3	3.39
Sept	15,268	536	2.67	76.05	4.78	112.7	822,221	803,862	4.45	4.55	101.6	3.10
October	15,041	526	2.43	69.44	4.67	116.1	693,955	678,492	4.30	4.39	102.5	2.94
November	10,931	391	2.22	62.07	5.01	94.4	613,152	600,163	4.35	4.44	102.5	2.94
December	13,307	467	2.57	73.40	5.03	93.5	694,392	679,805	5.43	5.54	102.2	3.32
2011												
January	12,896	454	3.13	88.98	4.92	70.4	680,054	665,974	5.39	5.50	104.6	3.37
February	11,527	403	2.84	81.35	4.56	77.4	609,064	595,778	5.09	5.20	104.5	3.27
March	12,293	426	3.09	89.22	4.45	70.8	606,123	593,446	4.64	4.73	104.2	3.12
April	12,668	442	3.20	91.85	4.38	103.3	650,493	637,322	4.86	4.96	104.5	3.29
May	13,128	459	3.31	94.62	4.36	101.5	706,626	692,561	4.89	4.98	104.0	3.39
June	13,265	461	2.78	79.94	4.67	88.6	837,715	820,788	5.04	5.15	103.4	3.52
July	17,899	622	3.30	94.84	4.69	103.9	1,093,652	1,070,256	4.98	5.08	102.4	3.62
August	16,950	592	3.08	88.16	4.87	108.6	1,085,691	1,062,490	4.73	4.83	103.2	3.44
Sept	16,087	562	2.93	83.88	4.76	103.2	833,540	814,910	4.56	4.66	104.2	3.26
October	15,481	541	3.32	94.90	5.02	126.3	710,451	695,275	4.33	4.43	104.4	3.14
November	13,235	464	2.58	73.69	5.26	134.6	676,984	662,933	4.10	4.19	104.3	3.04
December	15,672	554	2.74	77.61	4.96	120.4	760,258	744,430	4.04	4.12	103.7	3.02
2012												
January	13,403	471	2.71	77.10	5.18	83.9	793,143	776,898	3.67	3.75	102.9	2.98
February	10,381	359	2.57	74.14	5.31	80.0	781,762	765,061	3.32	3.39	102.6	2.83
March	11,903	417	2.43	69.44	5.61	115.9	811,545	794,248	2.96	3.03	102.5	2.73
April	10,386	362	2.64	75.81	5.36	114.3	862,401	841,659	2.68	2.75	103.4	2.65
May	9,505	333	2.68	76.63	5.57	93.8	960,458	940,516	2.90	2.97	102.5	2.75
June	11,735	404	2.73	79.35	5.08	110.8	1,033,425	1,010,287	3.08	3.16	102.4	2.81
July	8,808	307	2.93	84.15	5.61	79.7	1,254,234	1,225,606	3.41	3.49	101.9	2.98
August	9,706	338	2.51	71.98	5.17	82.0	1,158,219	1,133,046	3.48	3.56	101.8	2.97
Sept	14,700	513	2.43	69.83	5.32	126.3	953,050	931,793	3.38	3.46	102.6	2.87
October	11,282	394	2.07	59.11	5.67	104.1	815,864	797,656	3.81	3.90	103.1	3.00
November	12,289	430	2.46	70.45	5.62	106.2	711,110	695,245	4.23	4.32	101.9	3.10
December	15,110	530	2.46	70.09	5.69	126.8	736,884	719,806	4.20	4.30	103.4	3.13
Year to Date												
2010	169,508	5,963	2.28	64.85	4.79	98.5	8,867,396	8,673,070	5.09	5.20	102.0	3.26
2011	171,100	5,980	3.03	86.78	4.75	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.30
2012	139,210	4,858	2.54	72.79	5.43	101.0	10,872,094	10,631,822	3.40	3.48	102.5	2.90

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
NM = Not meaningful due to large relative standard error or excessive percentage change.
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Totals may not equal sum of components because of independent rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

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

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2002	13,967,326	687,747	1.22	24.74	0.87	89.6	407,442	63,809	3.74	23.88	0.99	72.0
2003	15,292,394	746,594	1.26	25.82	0.91	98.6	605,651	95,534	4.68	29.66	0.95	90.7
2004	15,440,681	758,557	1.34	27.30	0.91	98.2	592,478	93,034	4.80	30.57	1.01	89.6
2005	15,836,924	775,890	1.53	31.22	0.94	101.9	566,320	89,303	7.17	45.46	0.89	90.9
2006	16,197,852	797,361	1.69	34.26	0.92	105.8	269,033	42,415	8.33	52.80	0.82	79.2
2007	15,561,395	767,377	1.78	36.06	0.92	100.3	216,349	34,026	9.24	58.73	0.77	59.8
2008	15,347,396	764,399	2.06	41.32	0.93	100.5	240,937	38,891	15.83	98.09	0.60	99.7
2009	14,402,019	719,253	2.22	44.47	0.99	103.4	202,598	32,959	10.44	64.18	0.51	103.5
2010	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.48	101.0
2011	13,723,817	691,484	2.41	47.75	1.17	100.3	144,255	23,859	20.30	122.72	0.53	114.5
2012	11,862,008	605,205	2.43	47.59	1.19	98.2	101,765	16,977	22.22	133.21	0.45	95.6
2010												
January	1,101,993	55,521	2.21	43.89	1.09	82.6	23,632	3,860	13.16	80.54	0.54	88.1
February	1,073,034	53,695	2.26	45.26	1.16	90.6	13,223	2,179	13.59	82.50	0.40	136.3
March	1,231,470	61,038	2.32	46.85	1.16	108.5	11,782	1,943	14.11	85.52	0.28	109.5
April	1,168,587	57,821	2.30	46.45	1.17	115.7	8,388	1,398	14.96	89.76	0.24	85.6
May	1,168,195	58,565	2.27	45.27	1.12	103.0	16,261	2,649	13.61	83.58	0.62	102.2
June	1,169,040	58,803	2.24	44.62	1.13	90.6	18,097	2,937	13.16	81.08	0.62	80.1
July	1,209,770	60,990	2.27	44.95	1.07	87.2	21,588	3,497	13.29	82.07	0.47	98.6
August	1,294,681	64,603	2.30	46.16	1.13	92.5	20,667	3,331	13.08	81.14	0.60	103.1
Sept	1,208,559	60,693	2.28	45.47	1.11	104.3	18,501	2,988	13.35	82.68	0.62	138.8
October	1,235,011	61,883	2.29	45.68	1.15	120.5	11,210	1,858	14.98	90.39	0.35	117.5
November	1,172,469	58,841	2.27	45.29	1.19	111.1	12,889	2,191	15.82	93.06	0.35	147.4
December	1,194,186	60,641	2.23	43.90	1.14	93.8	13,552	2,267	16.79	100.36	0.25	71.7
2011												
January	1,181,833	59,577	2.34	46.34	1.15	90.2	14,279	2,372	16.98	102.20	0.53	107.5
February	1,078,032	54,003	2.36	47.10	1.20	99.2	9,943	1,659	18.27	109.47	0.47	104.4
March	1,160,136	58,691	2.35	46.38	1.12	108.5	13,842	2,284	19.55	118.45	0.52	131.5
April	1,081,336	54,492	2.39	47.40	1.15	110.2	11,543	1,898	20.30	123.47	0.40	90.8
May	1,089,570	54,652	2.45	48.80	1.17	99.4	16,158	2,618	19.03	117.46	0.75	138.8
June	1,109,431	55,560	2.40	47.87	1.21	88.6	15,427	2,528	21.88	133.55	0.66	144.9
July	1,119,264	56,067	2.46	49.04	1.19	80.2	9,455	1,569	21.86	131.77	0.47	82.3
August	1,238,455	61,790	2.49	49.93	1.19	90.7	9,575	1,579	20.63	125.10	0.43	90.3
Sept	1,200,682	60,402	2.46	48.91	1.18	108.2	10,186	1,683	20.94	126.69	0.49	118.0
October	1,186,062	59,898	2.42	47.86	1.15	118.3	13,068	2,171	21.63	130.21	0.48	146.6
November	1,120,387	56,990	2.39	47.03	1.17	116.6	11,052	1,853	21.75	129.72	0.48	124.5
December	1,158,628	59,362	2.37	46.27	1.15	109.6	9,729	1,645	21.94	129.73	0.48	106.9
2012												
January	1,071,237	55,226	2.39	46.43	1.13	105.3	9,820	1,644	21.83	130.44	0.46	110.6
February	984,158	50,342	2.41	47.15	1.22	107.3	7,252	1,218	22.37	133.21	0.44	96.4
March	951,580	48,567	2.44	47.85	1.21	111.9	9,055	1,494	22.99	139.37	0.45	112.3
April	864,158	43,369	2.50	49.77	1.29	108.5	7,261	1,221	23.94	142.34	0.49	85.8
May	918,103	46,411	2.47	48.87	1.26	98.8	7,559	1,279	23.34	137.95	0.48	87.1
June	942,668	48,073	2.42	47.47	1.21	89.4	10,360	1,717	22.37	134.98	0.48	96.7
July	1,039,588	53,081	2.44	47.75	1.16	82.3	10,626	1,756	20.68	125.20	0.44	86.0
August	1,107,673	56,337	2.44	48.04	1.15	91.4	8,974	1,497	21.26	127.42	0.44	93.4
Sept	1,000,036	51,262	2.43	47.44	1.14	99.3	7,039	1,157	22.01	133.88	0.42	88.6
October	1,005,392	51,322	2.41	47.18	1.18	104.1	7,745	1,291	22.52	135.11	0.39	86.6
November	988,770	50,443	2.40	47.01	1.19	98.1	7,275	1,227	22.80	135.25	0.44	97.1
December	988,646	50,773	2.40	46.65	1.20	93.1	8,798	1,478	21.47	127.81	0.46	112.8
Year to Date												
2010	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.48	101.0
2011	13,723,817	691,484	2.41	47.75	1.17	100.3	144,255	23,859	20.30	122.72	0.53	114.5
2012	11,862,008	605,205	2.43	47.59	1.19	98.2	101,765	16,977	22.22	133.21	0.45	95.6

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Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2002 - December 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2002	75,711	2,677	0.63	17.68	4.98	126.0	1,680,518	1,634,734	3.68	3.78	72.3	1.53
2003	89,618	3,165	0.74	20.94	5.51	124.0	1,486,088	1,439,513	5.59	5.77	81.6	1.74
2004	107,985	3,817	0.89	25.15	5.10	92.0	1,542,746	1,499,933	6.15	6.33	82.9	1.87
2005	102,450	3,632	1.29	36.31	5.16	87.9	1,835,221	1,780,721	8.32	8.57	83.4	2.38
2006	99,471	3,516	1.49	42.21	5.11	97.2	2,222,289	2,163,113	7.36	7.56	87.3	2.45
2007	84,812	2,964	1.73	49.57	5.09	105.6	2,378,104	2,315,637	7.47	7.67	84.6	2.61
2008	80,987	2,843	2.13	60.51	5.36	123.8	2,856,354	2,784,642	9.15	9.39	102.0	3.33
2009	109,126	3,833	1.68	47.84	5.02	138.8	3,033,133	2,962,640	5.50	5.63	101.8	2.87
2010	103,152	3,628	2.38	67.65	5.03	109.1	3,395,962	3,327,919	5.43	5.54	101.1	2.99
2011	99,208	3,445	3.08	88.73	4.72	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.09
2012	70,075	2,432	2.20	63.52	5.19	115.1	4,256,764	4,173,998	3.72	3.79	101.4	2.89
2010												
January	9,040	317	1.76	50.18	5.38	112.1	254,841	249,848	6.93	7.07	102.0	3.26
February	5,337	188	1.96	55.49	5.09	72.9	217,554	213,267	6.39	6.52	100.6	3.06
March	8,021	284	2.24	63.36	4.99	92.2	214,554	210,587	5.72	5.83	101.3	2.91
April	9,899	347	2.30	65.45	5.03	137.3	218,064	213,690	5.20	5.30	101.6	2.82
May	7,673	269	2.32	66.03	4.99	103.1	270,661	265,218	5.20	5.30	101.3	2.94
June	8,998	317	2.22	63.05	5.32	99.2	324,142	317,528	5.42	5.54	101.0	3.05
July	9,979	354	2.50	70.63	4.71	103.9	399,566	391,191	5.47	5.58	100.8	3.19
August	11,742	410	2.69	76.96	4.91	143.5	421,843	413,154	5.24	5.35	100.4	3.14
Sept	10,150	355	2.71	77.34	4.93	120.0	315,571	308,882	4.81	4.92	100.9	2.93
October	8,639	301	2.51	72.03	4.90	123.2	269,281	263,756	4.77	4.87	101.4	2.82
November	5,740	208	2.28	62.94	5.22	103.3	226,257	222,019	4.73	4.83	101.2	2.79
December	7,933	277	2.75	78.60	5.05	101.0	263,628	258,780	5.64	5.75	101.8	2.97
2011												
January	8,049	282	3.35	95.62	5.14	70.5	250,362	245,767	5.49	5.59	103.0	3.03
February	7,252	252	3.02	87.15	4.61	85.3	219,131	214,884	5.34	5.45	102.9	2.98
March	7,009	241	3.32	96.60	4.72	70.2	224,855	220,793	4.95	5.04	101.5	2.94
April	7,274	252	3.52	101.68	4.69	115.4	255,479	251,362	5.19	5.27	103.1	3.07
May	7,519	261	3.57	102.83	4.33	112.7	278,209	273,629	5.17	5.25	101.8	3.19
June	8,072	278	2.85	82.53	4.51	92.2	341,274	335,202	5.28	5.37	101.5	3.27
July	10,742	374	3.41	98.06	4.54	104.0	443,001	434,122	5.11	5.22	100.9	3.32
August	10,040	349	3.18	91.43	4.77	105.9	434,451	425,557	4.97	5.07	101.1	3.23
Sept	9,822	341	2.94	84.64	4.54	102.3	316,215	311,382	4.89	4.97	101.5	3.09
October	8,352	289	3.23	93.48	4.94	126.2	275,463	270,541	4.71	4.80	101.4	3.02
November	7,303	253	2.11	60.87	5.15	163.4	250,718	246,675	4.50	4.57	101.8	2.92
December	7,774	273	2.34	66.68	4.74	108.4	282,188	277,700	4.40	4.47	102.5	2.89
2012												
January	6,132	214	2.20	63.20	4.81	71.9	290,015	285,394	4.04	4.10	100.8	2.88
February	5,195	179	2.09	60.77	5.19	77.8	284,558	279,812	3.71	3.77	101.7	2.81
March	5,557	194	1.93	55.37	5.76	181.7	305,709	300,446	3.37	3.43	101.4	2.81
April	4,870	169	1.98	57.09	5.08	140.6	337,428	328,913	3.10	3.18	101.7	2.79
May	3,840	133	2.03	58.69	5.42	88.8	392,902	385,135	3.25	3.31	101.6	2.82
June	5,504	188	2.40	70.40	4.55	110.8	419,741	411,327	3.40	3.47	101.0	2.87
July	3,695	127	2.64	76.56	5.44	70.0	518,204	507,149	3.62	3.70	101.1	2.95
August	5,434	188	2.62	75.86	4.60	110.5	464,442	455,029	3.79	3.87	101.2	2.94
Sept	8,450	294	2.50	71.95	4.89	156.6	373,691	366,571	3.72	3.80	101.2	2.88
October	7,203	251	2.07	59.25	5.53	161.4	317,850	312,024	4.16	4.24	101.9	2.94
November	6,304	221	2.00	57.04	5.51	126.3	270,992	265,923	4.49	4.58	101.4	2.96
December	7,891	276	2.05	58.55	5.55	162.2	281,232	276,274	4.47	4.55	102.6	2.98
Year to Date												
2010	103,152	3,628	2.38	67.65	5.03	109.1	3,395,962	3,327,919	5.43	5.54	101.1	2.99
2011	99,208	3,445	3.08	88.73	4.72	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.09
2012	70,075	2,432	2.20	63.52	5.19	115.1	4,256,764	4,173,998	3.72	3.79	101.4	2.89

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

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

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

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2002	3,710,847	182,482	1.37	27.96	1.15	87.0	186,271	30,043	4.19	25.98	0.61	76.4
2003	4,365,996	223,984	1.34	26.20	1.15	90.4	347,546	56,138	5.41	33.50	0.58	89.7
2004	4,410,775	227,700	1.41	27.27	1.13	93.3	337,011	54,152	5.35	33.31	0.61	93.6
2005	4,459,333	229,071	1.56	30.39	1.10	83.0	381,871	61,753	8.30	51.34	0.54	97.2
2006	5,204,402	266,856	1.69	33.04	1.09	97.7	117,524	19,236	9.65	58.98	0.45	104.9
2007	5,275,454	273,216	1.71	33.11	1.06	97.5	125,025	20,486	10.49	64.01	0.45	85.0
2008	5,395,142	281,258	2.03	38.98	1.04	100.4	82,124	13,657	16.30	98.03	0.41	94.4
2009	4,563,080	240,687	2.11	39.94	1.06	101.1	68,030	11,408	10.02	59.76	0.37	102.0
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19	0.35	89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,137,034	222,814	2.27	42.17	1.44	107.0	28,606	4,914	22.26	129.62	0.46	99.1
2010												
January	376,680	19,830	2.21	42.01	1.20	85.3	5,186	895	14.92	86.41	0.30	75.4
February	343,015	18,198	2.21	41.75	1.18	88.3	2,397	416	14.78	85.23	0.30	78.2
March	401,656	21,348	2.23	41.96	1.20	107.5	4,487	747	13.69	82.23	0.55	201.3
April	359,489	19,062	2.23	41.96	1.25	113.2	2,017	354	15.12	86.17	0.30	90.2
May	374,626	19,964	2.19	41.15	1.28	106.5	2,963	508	15.27	89.08	0.36	86.2
June	342,601	18,471	2.19	40.68	1.22	83.4	4,357	738	14.22	83.97	0.33	87.9
July	370,780	20,113	2.23	41.09	1.12	81.8	6,753	1,125	13.66	81.95	0.41	67.0
August	414,300	21,970	2.23	42.11	1.25	90.1	4,622	777	14.55	86.52	0.27	75.1
Sept	404,409	21,646	2.20	41.04	1.23	103.2	4,031	678	13.97	83.02	0.31	95.5
October	412,301	22,106	2.15	40.10	1.23	115.5	3,720	626	15.45	91.85	0.35	135.1
November	387,870	20,899	2.15	39.94	1.19	106.9	3,898	679	16.19	92.92	0.36	120.4
December	368,173	19,977	2.18	40.13	1.18	84.9	5,167	876	16.62	97.98	0.31	87.6
2011												
January	381,239	20,717	2.23	40.96	1.20	86.5	4,653	783	17.44	103.58	0.56	71.2
February	336,384	18,030	2.26	42.18	1.29	94.7	3,276	560	18.64	108.99	0.77	118.7
March	363,257	19,787	2.26	41.58	1.19	107.9	2,270	392	21.18	122.73	0.55	92.1
April	330,831	17,944	2.28	42.03	1.21	102.6	3,235	550	21.43	126.18	0.27	144.8
May	348,283	18,569	2.32	43.58	1.33	101.0	2,752	466	21.66	127.89	0.59	108.5
June	330,390	17,898	2.34	43.25	1.23	84.4	3,232	553	20.81	121.69	0.48	87.0
July	351,423	19,120	2.35	43.14	1.24	79.4	5,604	955	21.18	124.33	0.40	91.4
August	386,958	20,994	2.34	43.11	1.26	87.9	2,883	497	16.66	96.71	0.49	86.7
Sept	377,183	20,755	2.31	42.04	1.25	100.2	2,674	462	22.29	129.10	0.53	107.1
October	379,229	20,611	2.25	41.35	1.27	109.6	3,946	655	20.28	122.12	0.52	178.5
November	357,960	19,649	2.24	40.77	1.24	108.9	3,617	635	20.57	117.22	0.44	175.8
December	349,148	19,221	2.18	39.64	1.23	100.0	3,457	589	22.35	131.11	0.47	140.6
2012												
January	395,909	21,374	2.47	45.69	1.35	117.1	3,281	553	22.44	133.05	0.41	129.6
February	341,535	18,131	2.30	43.41	1.49	114.5	2,052	350	23.38	137.28	0.45	115.8
March	308,388	16,328	2.23	42.12	1.41	117.5	1,255	214	23.38	137.18	0.57	79.5
April	285,836	15,226	2.19	41.10	1.39	129.2	1,673	288	24.29	141.28	0.48	97.4
May	309,477	16,715	2.27	41.99	1.42	105.1	2,294	393	23.23	135.75	0.44	83.8
June	328,369	17,858	2.19	40.28	1.59	100.1	2,945	501	21.41	125.93	0.45	81.0
July	337,466	18,544	2.28	41.44	1.34	84.5	2,719	466	20.63	120.35	0.51	71.5
August	371,102	20,042	2.29	42.41	1.46	95.4	2,170	375	21.92	126.67	0.44	85.0
Sept	360,763	19,635	2.22	40.78	1.44	110.9	1,790	309	22.99	133.15	0.47	90.2
October	366,972	19,797	2.23	41.37	1.44	114.6	2,177	376	23.20	134.14	0.46	97.9
November	375,180	20,159	2.26	42.07	1.47	109.8	2,794	473	22.86	134.92	0.42	115.9
December	356,038	19,006	2.28	42.70	1.53	103.0	3,456	616	20.20	113.42	0.49	175.3
Year to Date												
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19	0.35	89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,137,034	222,814	2.27	42.17	1.44	107.0	28,606	4,914	22.26	129.62	0.46	99.1

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2002 - December 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2002	47,805	1,639	1.03	29.98	4.85	44.4	3,198,108	3,126,308	3.55	3.63	91.6	2.42
2003	59,377	2,086	0.60	17.16	4.88	64.3	3,335,086	3,244,368	5.33	5.48	96.2	3.15
2004	73,745	2,609	0.72	20.30	4.95	81.0	3,491,942	3,403,474	5.86	6.01	93.1	3.43
2005	92,706	3,277	0.90	25.42	5.09	82.9	3,675,165	3,578,722	8.20	8.42	95.8	4.69
2006	85,924	3,031	1.07	30.34	5.13	87.1	3,742,865	3,647,102	6.66	6.84	97.4	3.82
2007	56,580	1,994	1.02	28.95	4.88	69.3	4,097,825	3,990,546	6.92	7.11	97.2	4.06
2008	79,122	2,788	1.47	41.85	4.63	98.8	4,061,830	3,956,155	8.93	9.17	100.5	5.07
2009	49,619	1,732	1.31	37.63	3.87	93.6	4,087,573	3,987,721	4.30	4.41	100.7	3.18
2010	30,079	1,050	1.74	49.80	3.84	72.3	4,212,611	4,119,103	4.94	5.05	100.6	3.57
2011	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	3.52
2012	26,597	926	3.14	90.22	5.38	111.9	5,160,058	5,037,420	3.22	3.30	100.3	2.86
2010												
January	3,804	133	1.44	41.35	3.37	101.7	308,109	301,125	6.75	6.90	100.1	4.32
February	2,918	101	1.48	42.64	3.46	77.2	274,889	268,803	5.95	6.08	100.4	3.91
March	3,499	121	1.63	47.30	3.33	101.4	256,384	250,712	5.06	5.17	100.7	3.39
April	1,376	47	1.08	31.18	4.33	40.8	267,989	261,844	4.48	4.58	100.2	3.22
May	2,468	86	1.78	50.77	3.83	62.4	306,425	299,565	4.55	4.65	100.6	3.30
June	2,619	91	1.75	50.31	4.00	60.0	401,342	392,478	5.01	5.12	100.3	3.77
July	2,705	95	1.94	55.02	4.47	58.5	522,419	510,999	5.04	5.15	100.4	3.94
August	1,779	64	2.26	63.33	3.98	59.1	546,215	534,075	4.72	4.82	100.5	3.70
Sept	1,349	47	2.36	67.67	3.01	61.5	401,881	393,000	4.27	4.36	100.6	3.28
October	3,342	117	2.01	57.26	3.88	116.1	321,547	314,248	4.00	4.09	101.3	3.02
November	2,286	80	1.76	50.12	4.24	80.2	285,549	279,359	4.23	4.33	100.8	3.10
December	1,933	67	1.63	46.81	4.67	57.6	319,863	312,895	5.49	5.62	100.9	3.81
2011												
January	1,730	60	W	W	4.24	46.8	309,865	303,301	5.59	5.71	100.7	W
February	1,809	64	W	W	4.21	52.2	283,811	277,469	5.06	5.17	100.9	W
March	2,563	89	W	W	3.37	54.8	271,713	265,931	4.57	4.67	100.6	W
April	3,046	106	2.36	67.43	3.57	103.0	284,857	278,599	4.71	4.82	100.4	3.49
May	3,339	116	2.44	70.04	4.01	103.9	312,436	305,861	4.75	4.85	100.9	3.54
June	2,623	92	1.99	56.95	4.81	78.6	379,462	371,553	4.95	5.05	100.7	3.80
July	3,119	107	2.39	69.60	4.60	75.3	520,203	508,834	4.94	5.05	100.1	4.00
August	3,166	110	W	W	4.84	90.6	515,581	504,743	4.57	4.67	100.9	W
Sept	2,511	88	W	W	4.87	83.4	391,415	382,298	4.39	4.49	101.3	W
October	3,603	126	W	W	5.08	139.5	320,549	313,229	4.12	4.22	101.6	W
November	2,652	94	W	W	5.52	108.9	308,988	301,865	3.92	4.01	100.5	W
December	3,483	123	W	W	5.08	125.6	353,160	344,934	3.86	3.95	100.6	W
2012												
January	3,243	114	W	W	5.40	119.3	376,574	368,088	3.50	3.58	100.8	W
February	2,701	94	W	W	5.18	108.2	379,546	370,578	3.13	3.21	99.5	W
March	2,988	104	W	W	5.33	120.0	387,419	378,379	2.73	2.79	99.4	W
April	1,982	69	W	W	5.46	165.3	408,056	398,841	2.41	2.46	100.7	W
May	1,978	68	W	W	5.65	120.0	449,118	438,865	2.71	2.78	100.2	W
June	2,703	93	3.32	96.41	5.18	181.5	491,373	479,802	2.90	2.97	100.5	2.68
July	2,507	88	3.46	98.73	5.41	137.2	607,765	593,781	3.31	3.38	100.3	2.99
August	1,149	40	1.79	51.74	5.37	46.2	570,234	556,749	3.29	3.37	99.9	2.94
Sept	1,924	67	1.85	53.44	5.42	96.1	461,763	450,531	3.21	3.29	101.3	2.82
October	991	34	1.32	38.14	5.29	52.1	378,484	368,999	3.66	3.75	101.0	3.01
November	1,980	69	W	W	5.36	120.3	322,250	314,249	4.18	4.28	99.6	W
December	2,451	85	W	W	5.58	130.1	327,475	318,558	4.09	4.21	100.7	W
Year to Date												
2010	30,079	1,050	1.74	49.80	3.84	72.3	4,212,611	4,119,103	4.94	5.05	100.6	3.57
2011	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	3.52
2012	26,597	926	3.14	90.22	5.38	111.9	5,160,058	5,037,420	3.22	3.30	100.3	2.86

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2002 - December 2012

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2002	9,580	399	2.10	50.44	2.59	28.4	503	91	5.38	29.73	0.02	7.5
2003	8,835	372	1.99	47.24	2.43	20.5	248	43	7.00	40.82	0.04	3.1
2004	10,682	451	2.08	49.32	2.48	23.5	3,066	527	6.19	35.96	0.20	26.9
2005	11,081	464	2.57	61.21	2.43	24.2	1,684	289	8.28	48.22	0.17	18.3
2006	12,207	518	2.63	61.95	2.51	27.5	798	137	13.50	78.70	0.17	15.5
2007	12,419	531	2.67	62.46	2.58	27.6	249	43	14.04	81.93	0.17	6.2
2008	43,997	2,009	2.65	58.12	1.73	99.4	3,800	633	17.84	107.10	0.37	102.0
2009	41,182	1,876	2.90	63.68	1.67	104.3	3,517	583	10.82	65.26	0.45	122.1
2010	37,778	1,747	2.82	61.06	1.77	101.6	2,395	400	15.24	91.25	0.38	106.3
2011	35,892	1,686	2.92	62.24	1.78	101.1	1,959	325	19.67	118.66	0.55	108.0
2012	30,706	1,470	2.78	58.14	1.86	94.9	1,985	335	21.71	128.81	0.50	140.3
2010												
January	3,452	162	2.79	59.44	1.73	83.9	NM	NM	NM	NM	0.43	77.6
February	3,364	156	2.87	61.93	1.78	93.2	NM	NM	NM	NM	0.38	73.4
March	3,478	161	2.90	62.65	1.64	107.7	NM	NM	NM	NM	0.45	330.9
April	2,983	137	2.80	61.12	1.47	116.7	NM	NM	NM	NM	0.23	81.8
May	2,820	132	2.71	58.00	1.41	111.4	NM	NM	NM	NM	0.48	106.2
June	2,874	132	2.99	65.29	1.97	97.6	NM	NM	NM	NM	0.42	116.2
July	2,933	132	2.83	62.64	2.07	93.4	NM	NM	NM	NM	0.35	72.4
August	3,381	157	2.79	60.14	1.87	103.2	NM	NM	NM	NM	0.41	58.4
Sept	3,045	141	2.85	61.82	1.84	105.8	NM	NM	NM	NM	0.35	122.5
October	2,864	133	2.82	60.52	1.71	109.9	NM	NM	NM	NM	0.31	283.6
November	3,365	155	2.86	62.19	1.75	121.1	NM	NM	NM	NM	0.35	145.5
December	3,217	151	2.69	57.30	1.96	91.5	NM	NM	NM	NM	0.31	89.2
2011												
January	3,297	155	2.80	59.41	1.84	82.3	NM	NM	NM	NM	0.62	49.1
February	3,289	154	2.88	61.47	1.79	88.9	NM	NM	NM	NM	0.63	104.3
March	3,388	161	2.79	58.87	1.74	97.7	NM	NM	NM	NM	0.55	165.7
April	2,649	126	2.79	58.65	1.92	101.9	NM	NM	NM	NM	0.30	160.4
May	2,730	127	3.08	66.22	1.75	102.4	NM	NM	NM	NM	0.72	127.4
June	3,222	147	3.16	68.99	1.79	113.1	NM	NM	NM	NM	0.65	215.3
July	2,954	137	3.04	65.63	1.90	94.3	NM	NM	NM	NM	0.43	171.7
August	2,881	132	3.12	68.18	1.88	101.9	NM	NM	NM	NM	0.51	126.1
Sept	2,710	126	3.01	64.84	1.80	102.8	NM	NM	NM	NM	0.53	71.7
October	2,789	136	2.74	56.21	1.56	123.7	NM	NM	NM	NM	0.52	225.0
November	2,922	140	2.82	58.95	1.72	119.0	NM	NM	NM	NM	0.52	101.0
December	3,061	145	2.87	60.55	1.71	104.4	NM	NM	NM	NM	0.51	163.2
2012												
January	2,978	143	2.80	58.33	1.79	88.2	NM	NM	21.55	129.06	0.50	106.2
February	2,576	125	2.69	55.65	1.80	88.2	NM	NM	22.45	133.84	0.50	115.0
March	2,695	132	2.72	55.65	1.73	97.7	NM	NM	NM	NM	0.50	77.4
April	2,537	121	2.95	61.89	1.64	105.1	461	78	21.60	127.42	0.50	494.5
May	NM	NM	NM	NM	1.87	94.6	NM	NM	22.65	134.28	0.51	327.9
June	2,500	118	2.89	61.39	2.03	103.1	NM	NM	20.67	121.71	0.51	86.5
July	2,450	117	2.81	58.75	1.87	99.1	NM	NM	NM	NM	0.49	69.2
August	2,656	124	2.93	62.73	2.10	98.3	NM	NM	21.85	129.18	0.50	108.1
Sept	2,453	118	2.73	56.63	1.83	102.0	NM	NM	22.66	134.24	0.49	77.7
October	2,068	99	2.72	56.58	1.86	86.7	120	20	23.08	135.32	0.47	99.8
November	2,591	124	2.64	55.11	1.83	92.4	NM	NM	NM	NM	0.50	113.8
December	2,795	135	2.63	54.39	1.91	89.3	NM	NM	NM	NM	0.55	157.4
Year to Date												
2010	37,778	1,747	2.82	61.06	1.77	101.6	2,395	400	15.24	91.25	0.38	106.3
2011	35,892	1,686	2.92	62.24	1.78	101.1	1,959	325	19.67	118.66	0.55	108.0
2012	30,706	1,470	2.78	58.14	1.86	94.9	1,985	335	21.71	128.81	0.50	140.3

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
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Notes:
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See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2002 - December 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2002	--	--	--	--	--	--	18,671	18,256	3.44	3.52	24.7	3.03
2003	--	--	--	--	--	--	18,169	17,827	4.96	5.06	30.5	4.02
2004	--	--	--	--	--	--	16,176	15,804	5.93	6.07	21.9	4.58
2005	--	--	--	--	--	--	17,600	17,142	8.38	8.60	25.2	6.25
2006	--	--	--	--	--	--	21,369	20,819	8.33	8.55	30.7	6.42
2007	--	--	--	--	--	--	23,502	22,955	7.99	8.18	32.8	6.20
2008	370	14	2.14	58.36	5.53	135.3	71,670	69,877	9.01	9.24	105.5	6.94
2009	252	9	1.65	46.54	5.11	102.8	81,134	79,308	5.18	5.30	105.0	4.58
2010	410	15	2.19	60.59	5.67	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W
2012	363	13	W	W	5.61	100.3	100,769	98,515	3.91	4.00	104.9	W
2010												
January	38	1	NM	NM	5.45	100.4	7,928	7,757	6.92	7.07	107.0	5.82
February	NM	NM	NM	NM	5.45	99.4	7,189	7,040	6.55	6.69	106.3	5.51
March	41	2	NM	NM	5.45	104.6	7,062	6,916	5.83	5.96	105.1	5.19
April	20	1	NM	NM	5.45	81.3	6,394	6,258	5.09	5.20	104.5	4.48
May	NM	NM	NM	NM	5.45	--	6,102	5,980	5.10	5.21	104.2	4.55
June	NM	NM	NM	NM	5.45	--	6,583	6,449	5.25	5.36	104.3	4.74
July	NM	NM	NM	NM	5.83	--	8,579	8,397	5.24	5.36	103.5	4.83
August	NM	NM	NM	NM	5.83	98.0	9,335	9,139	5.09	5.20	103.8	4.58
Sept	NM	NM	NM	NM	5.83	83.1	7,936	7,765	4.65	4.75	103.8	4.30
October	42	2	NM	NM	5.83	120.6	7,954	7,785	4.69	4.80	104.8	4.47
November	NM	NM	NM	NM	5.83	93.1	7,758	7,601	4.67	4.76	106.6	4.24
December	58	2	NM	NM	5.83	110.3	9,235	9,043	5.63	5.75	106.9	5.09
2011												
January	42	1	W	W	5.16	98.3	NM	NM	6.00	6.13	107.7	W
February	36	1	W	W	5.29	105.1	NM	NM	5.76	5.88	108.6	W
March	34	1	W	W	5.54	81.8	NM	NM	5.46	5.58	107.0	W
April	NM	NM	W	W	5.45	--	NM	NM	5.40	5.52	106.3	W
May	NM	NM	W	W	5.83	--	NM	NM	5.28	5.39	105.7	W
June	NM	NM	W	W	5.83	--	NM	NM	5.40	5.51	106.3	W
July	NM	NM	W	W	5.83	--	NM	NM	5.24	5.35	104.5	W
August	NM	NM	W	W	5.83	--	NM	NM	5.09	5.20	106.4	W
Sept	NM	NM	W	W	5.83	--	NM	NM	4.92	5.04	108.2	W
October	NM	NM	W	W	5.27	--	NM	NM	4.87	4.98	107.5	W
November	NM	NM	W	W	5.34	62.8	NM	NM	4.68	4.77	110.3	W
December	44	2	W	W	5.29	98.8	NM	NM	4.61	4.70	109.0	W
2012												
January	46	2	W	W	5.22	97.8	NM	NM	4.37	4.46	104.0	W
February	45	2	W	W	5.43	114.1	NM	NM	NM	NM	106.9	W
March	36	1	W	W	5.70	96.2	NM	NM	3.65	3.73	105.7	W
April	NM	NM	W	W	5.33	115.7	NM	NM	NM	NM	105.5	W
May	--	--	--	--	--	--	NM	NM	NM	NM	104.6	NM
June	--	--	--	--	--	--	NM	NM	NM	NM	103.4	NM
July	27	1	W	W	5.77	79.1	NM	NM	3.69	3.78	103.8	W
August	41	1	W	W	5.77	103.3	NM	NM	NM	NM	102.7	W
Sept	37	1	W	W	5.69	94.4	NM	NM	NM	NM	105.4	W
October	42	1	W	W	5.68	97.7	NM	NM	NM	NM	105.3	W
November	41	1	W	W	5.63	102.9	NM	NM	4.72	4.84	105.3	W
December	NM	NM	W	W	5.70	112.9	8,350	8,136	4.77	4.89	106.5	W
Year to Date												
2010	410	15	2.19	60.59	5.67	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W
2012	363	13	W	W	5.61	100.3	100,769	98,515	3.91	4.00	104.9	W

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

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

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

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2002	294,234	13,659	1.45	31.29	1.56	52.1	29,137	4,638	3.55	22.33	1.24	26.5
2003	322,547	15,076	1.45	31.01	1.37	60.7	27,538	4,624	4.85	28.86	1.25	23.2
2004	326,495	15,324	1.63	34.79	1.43	57.6	25,491	4,107	4.98	30.93	1.38	18.5
2005	339,968	16,011	1.94	41.17	1.42	61.9	36,383	5,876	6.64	41.13	1.36	26.4
2006	320,640	15,208	2.03	42.76	1.47	60.2	19,514	3,214	7.57	45.95	1.30	21.2
2007	303,091	13,540	2.20	49.16	1.36	60.1	33,637	5,514	8.53	52.06	1.33	38.8
2008	493,724	22,044	2.72	60.96	1.28	100.7	48,822	7,958	12.50	76.69	1.01	109.0
2009	431,686	19,661	2.81	61.68	1.22	99.5	55,899	9,232	9.83	59.52	0.83	112.8
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276	5,554	13.21	79.15	0.93	125.6
2011	476,108	22,204	2.93	62.86	1.33	99.5	28,939	4,878	17.67	104.83	1.08	144.8
2012	429,418	20,178	3.00	63.83	1.47	97.4	19,460	3,259	19.08	113.89	0.92	143.3
2010												
January	34,732	1,580	2.79	61.38	1.32	75.5	4,869	811	12.80	76.83	0.94	140.8
February	35,539	1,606	2.83	62.50	1.28	81.2	2,888	477	12.58	76.17	1.19	97.5
March	41,435	1,865	2.80	62.26	1.30	87.8	2,546	422	12.80	77.21	1.06	121.4
April	37,998	1,713	2.76	61.15	1.25	77.2	1,616	271	13.57	80.84	1.03	84.1
May	38,477	1,743	2.72	59.95	1.20	86.7	2,427	406	12.92	77.32	0.86	136.6
June	42,012	2,008	2.71	56.76	1.14	105.8	2,655	444	12.67	75.80	0.83	172.6
July	39,484	1,797	2.75	60.33	1.24	84.7	2,876	482	12.77	76.20	0.77	143.4
August	45,083	2,150	2.68	56.26	1.25	98.0	2,922	487	12.69	76.05	0.93	177.9
Sept	39,511	1,795	2.80	61.55	1.23	92.5	2,454	412	12.85	76.49	0.84	152.2
October	39,628	1,808	2.74	60.11	1.27	92.4	NM	NM	NM	NM	0.92	99.6
November	38,003	1,732	2.74	60.17	1.31	93.4	2,347	396	14.71	87.06	0.90	107.5
December	37,089	1,694	2.74	60.05	1.36	75.4	3,487	579	14.82	89.26	0.91	112.4
2011												
January	41,774	1,929	2.88	62.38	1.31	92.7	3,443	575	15.11	90.47	1.33	124.6
February	36,699	1,689	2.89	62.91	1.34	93.8	2,346	394	15.91	94.86	1.27	114.7
March	38,893	1,813	2.86	61.26	1.36	95.8	2,408	404	17.46	104.16	1.16	129.5
April	38,978	1,827	2.93	62.47	1.28	102.3	2,648	446	17.97	106.58	0.86	173.1
May	36,984	1,731	2.97	63.47	1.27	94.3	NM	NM	NM	NM	1.16	225.1
June	39,329	1,826	2.93	63.01	1.34	99.1	2,628	447	19.51	114.66	0.93	176.7
July	39,487	1,850	2.96	63.18	1.32	95.1	1,869	318	19.19	112.81	0.99	141.5
August	44,259	2,057	3.01	64.88	1.36	104.8	1,840	308	16.33	97.49	1.08	132.6
Sept	40,384	1,886	2.91	62.21	1.35	105.5	1,785	301	18.39	109.02	1.02	129.7
October	38,861	1,824	2.94	62.68	1.30	104.4	2,410	407	18.70	110.71	0.87	143.6
November	38,803	1,816	2.94	62.81	1.39	106.1	NM	NM	18.91	110.85	0.99	154.1
December	41,657	1,957	2.96	62.90	1.33	101.7	1,957	329	19.58	116.55	1.15	122.4
2012												
January	39,280	1,854	3.03	64.18	1.43	97.0	1,841	306	19.75	118.70	1.02	131.1
February	33,264	1,577	2.92	61.56	1.46	92.3	1,442	240	19.97	120.07	0.96	124.7
March	34,377	1,622	3.03	64.27	1.39	95.0	1,623	273	16.23	96.58	1.00	134.7
April	33,592	1,566	3.04	65.23	1.53	101.6	1,194	199	20.37	122.45	0.94	90.2
May	34,191	1,593	3.08	66.12	1.56	94.3	1,818	302	19.73	118.75	0.85	166.7
June	34,331	1,597	3.02	64.88	1.61	97.7	1,406	236	19.04	113.35	0.91	111.9
July	36,642	1,731	2.99	63.27	1.46	97.7	NM	NM	17.93	106.67	0.89	149.6
August	40,223	1,884	2.96	63.29	1.52	103.1	2,165	361	18.75	112.52	0.92	214.2
Sept	35,934	1,687	3.00	63.85	1.40	104.6	1,071	178	19.94	119.95	1.11	113.0
October	36,631	1,727	3.00	63.55	1.43	96.2	1,160	197	20.81	122.57	0.82	93.8
November	35,384	1,671	2.97	62.84	1.41	96.7	1,769	295	19.58	117.23	0.80	192.4
December	35,570	1,669	2.96	63.09	1.45	93.3	NM	NM	NM	NM	0.92	246.8
Year to Date												
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276	5,554	13.21	79.15	0.93	125.6
2011	476,108	22,204	2.93	62.86	1.33	99.5	28,939	4,878	17.67	104.83	1.08	144.8
2012	429,418	20,178	3.00	63.83	1.47	97.4	19,460	3,259	19.08	113.89	0.92	143.3

* = Value is less than half of the smallest unit of measure. (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
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Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; coal synfuel and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2002 - December 2012 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2002	3,846	138	0.76	21.20	5.91	9.1	852,547	828,439	3.36	3.46	66.8	2.88
2003	16,383	594	1.04	28.74	5.73	47.3	823,681	798,996	5.32	5.48	69.9	4.20
2004	14,876	540	0.98	27.01	5.59	40.4	839,886	814,843	6.04	6.22	68.4	4.76
2005	16,620	594	1.21	33.75	5.44	58.2	828,882	805,132	8.00	8.24	74.3	6.18
2006	17,875	646	1.63	45.05	5.43	42.7	869,157	844,211	7.02	7.22	75.7	5.64
2007	19,700	698	1.96	55.42	5.52	43.6	896,803	871,178	6.97	7.18	82.9	5.78
2008	39,246	1,396	3.34	93.84	4.92	117.9	1,099,613	1,068,372	8.95	9.22	111.9	7.10
2009	38,924	1,381	1.80	50.82	4.51	114.2	1,117,489	1,088,880	4.27	4.38	110.0	4.02
2010	35,866	1,269	2.46	69.38	4.90	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.03	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2012	42,174	1,487	W	W	5.86	80.0	1,354,503	1,321,890	3.03	3.10	116.0	W
2010												
January	NM	NM	1.98	55.72	4.49	85.0	103,441	100,700	6.06	6.23	111.9	5.43
February	NM	NM	1.89	53.71	4.80	53.5	92,052	89,617	5.62	5.77	112.6	4.97
March	NM	NM	2.28	64.61	4.83	80.7	96,305	93,754	4.89	5.02	112.3	4.38
April	3,134	110	2.31	65.60	5.05	125.6	89,012	86,651	4.19	4.31	110.1	3.85
May	2,812	99	2.36	67.00	4.99	99.2	93,846	91,314	4.37	4.49	112.0	4.02
June	NM	NM	2.29	64.41	4.96	84.4	95,210	92,629	4.58	4.71	109.8	4.14
July	3,445	123	2.54	71.36	4.65	112.3	103,153	100,425	4.82	4.95	109.9	4.37
August	4,313	153	2.71	76.26	4.73	133.3	106,486	103,638	4.69	4.82	109.3	4.22
Sept	3,742	133	2.68	75.58	5.01	130.2	96,833	94,214	4.02	4.13	108.3	3.79
October	NM	NM	2.66	75.62	4.87	99.7	95,174	92,702	3.92	4.03	110.4	3.71
November	2,862	101	2.47	69.84	5.18	91.0	93,589	91,184	3.74	3.84	111.3	3.62
December	3,383	120	2.71	76.42	5.17	113.3	101,666	99,087	4.65	4.77	107.5	4.36
2011												
January	3,075	110	3.16	88.56	4.70	96.3	112,015	109,254	4.54	4.65	122.0	4.31
February	2,430	86	2.99	83.98	4.66	84.3	99,431	96,876	4.55	4.67	120.3	4.28
March	2,687	95	3.24	91.51	4.75	100.0	102,958	100,259	4.08	4.19	122.8	3.96
April	2,336	83	W	W	4.46	78.3	103,922	101,255	4.43	4.55	122.0	W
May	2,259	81	W	W	4.97	74.5	108,328	105,579	4.53	4.65	121.4	W
June	2,558	91	W	W	5.03	88.9	109,529	106,731	4.61	4.74	121.7	W
July	4,019	141	W	W	5.13	144.0	120,609	117,663	4.62	4.73	121.0	W
August	3,728	132	W	W	5.17	140.7	126,012	122,745	4.48	4.60	123.4	W
Sept	3,738	132	W	W	5.27	125.0	117,462	112,976	4.19	4.36	124.7	W
October	3,512	126	W	W	5.17	114.9	106,879	104,110	3.96	4.06	123.2	W
November	3,267	117	W	W	5.29	113.3	109,257	106,529	3.69	3.78	123.8	W
December	4,372	156	W	W	5.25	143.8	115,575	112,652	3.67	3.76	117.9	W
2012												
January	3,983	141	W	W	5.58	84.9	117,321	114,370	3.27	3.35	116.6	W
February	2,440	85	W	W	5.70	64.9	108,720	105,929	2.92	3.00	117.5	W
March	3,323	117	W	W	5.60	71.2	109,958	107,145	2.63	2.70	118.9	W
April	3,531	125	W	W	5.68	80.2	108,912	106,067	2.38	2.44	121.4	W
May	3,687	131	W	W	5.67	88.8	110,619	108,849	2.44	2.48	117.3	W
June	3,528	123	2.80	80.06	5.84	85.6	114,191	111,229	2.70	2.78	117.8	2.93
July	2,580	91	W	W	6.06	65.8	119,298	115,922	3.01	3.10	114.9	W
August	3,082	109	W	W	6.08	70.5	115,376	113,292	3.16	3.22	115.9	W
Sept	4,290	151	W	W	6.10	102.2	109,179	106,460	2.91	2.98	114.3	W
October	3,046	107	W	W	6.11	68.9	111,111	108,408	3.29	3.37	114.4	W
November	3,964	139	W	W	5.94	81.1	109,992	107,380	3.68	3.77	110.6	W
December	4,722	167	W	W	5.97	92.4	119,827	116,838	3.85	3.95	113.6	W
Year to Date												
2010	35,866	1,269	2.46	69.38	4.90	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.03	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2012	42,174	1,487	W	W	5.86	80.0	1,354,503	1,321,890	3.03	3.10	116.0	W

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

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	202	216	-6.6%	56	71	140	139	--	--	NM	NM
Connecticut	14	--	--	--	--	14	--	--	--	--	--
Maine	6	4	38.0%	--	--	4	2	--	--	2	2
Massachusetts	126	141	-10.0%	--	--	122	137	--	--	NM	NM
New Hampshire	56	71	-22.0%	56	71	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,788	4,003	-5.4%	NM	662	3,676	3,216	NM	NM	109	123
New Jersey	70	77	-8.2%	--	--	70	77	--	--	--	--
New York	321	263	22.0%	NM	1	286	221	NM	NM	33	41
Pennsylvania	3,397	3,663	-7.3%	--	661	3,320	2,918	NM	NM	NM	82
East North Central	14,415	17,763	-19.0%	9,188	11,306	4,800	5,880	36	45	391	532
Illinois	4,724	6,197	-24.0%	495	1,373	3,975	4,515	12	12	242	297
Indiana	3,202	3,529	-9.3%	2,839	3,100	338	402	NM	18	NM	NM
Michigan	1,705	2,347	-27.0%	1,639	2,266	31	35	2	9	NM	37
Ohio	2,956	3,733	-21.0%	2,456	2,722	456	928	NM	NM	43	81
Wisconsin	1,829	1,957	-6.5%	1,759	1,845	--	--	NM	NM	65	107
West North Central	11,837	14,358	-18.0%	11,398	13,890	--	--	29	30	409	438
Iowa	2,068	2,314	-11.0%	1,820	2,054	--	--	NM	20	232	240
Kansas	1,278	2,056	-38.0%	1,278	2,056	--	--	--	--	--	--
Minnesota	1,331	1,508	-12.0%	1,238	1,407	--	--	NM	NM	NM	98
Missouri	3,731	4,520	-17.0%	3,710	4,499	--	--	12	7	NM	NM
Nebraska	1,253	1,519	-18.0%	1,200	1,458	--	--	--	--	NM	61
North Dakota	1,964	2,207	-11.0%	1,941	2,181	--	--	--	--	NM	26
South Dakota	212	235	-9.6%	212	235	--	--	--	--	--	--
South Atlantic	10,502	11,754	-11.0%	7,904	9,793	2,292	1,634	NM	11	299	316
Delaware	91	45	103.0%	--	--	91	45	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,584	1,892	-16.0%	1,561	1,814	NM	52	--	--	NM	26
Georgia	1,901	2,811	-32.0%	1,861	2,746	--	--	--	--	41	66
Maryland	864	594	45.0%	--	--	830	557	--	--	34	37
North Carolina	1,665	1,949	-15.0%	1,554	1,827	73	77	NM	9	34	36
South Carolina	936	1,025	-8.7%	907	978	--	11	--	--	29	35
Virginia	757	584	30.0%	537	395	121	112	NM	NM	95	75
West Virginia	2,704	2,854	-5.3%	1,484	2,034	1,176	779	--	--	44	41
East South Central	7,905	7,508	5.3%	7,293	6,966	439	355	NM	NM	170	184
Alabama	1,840	2,132	-14.0%	1,808	2,093	NM	NM	--	--	29	35
Kentucky	3,348	3,504	-4.4%	3,348	3,504	--	--	--	--	--	--
Mississippi	617	709	-13.0%	182	358	435	351	--	--	--	--
Tennessee	2,099	1,163	80.0%	1,954	1,012	--	--	NM	NM	141	149
West South Central	12,918	13,938	-7.3%	6,696	7,674	6,148	6,172	--	--	NM	92
Arkansas	1,551	1,491	4.0%	1,278	1,253	263	226	--	--	NM	NM
Louisiana	1,085	1,376	-21.0%	721	929	362	445	--	--	NM	NM
Oklahoma	1,582	1,910	-17.0%	1,434	1,716	107	143	--	--	NM	51
Texas	8,700	9,161	-5.0%	3,263	3,775	5,416	5,358	--	--	NM	NM
Mountain	9,125	10,019	-8.9%	7,949	8,681	1,036	1,160	--	--	140	179
Arizona	1,790	2,057	-13.0%	1,760	2,024	--	--	--	--	NM	33
Colorado	1,588	1,540	3.1%	1,571	1,521	NM	19	--	--	--	--
Idaho	NM	NM	NM	--	--	--	--	--	--	NM	NM
Montana	907	1,030	-12.0%	NM	31	879	995	--	--	NM	NM
Nevada	73	109	-33.0%	11	49	62	60	--	--	--	--
New Mexico	1,338	1,466	-8.7%	1,338	1,466	--	--	--	--	--	--
Utah	992	955	3.9%	952	918	NM	27	--	--	7	11
Wyoming	2,427	2,850	-15.0%	2,291	2,671	NM	60	--	--	90	119
Pacific Contiguous	725	910	-20.0%	263	290	397	541	--	--	64	79
California	105	140	-25.0%	--	--	50	72	--	--	55	68
Oregon	263	290	-9.4%	263	290	--	--	--	--	--	--
Washington	357	480	-26.0%	--	--	347	469	--	--	10	11
Pacific Noncontiguous	168	216	-22.0%	NM	NM	79	124	57	54	NM	NM
Alaska	102	103	-1.1%	NM	NM	NM	20	57	54	--	--
Hawaii	66	112	-41.0%	--	--	59	104	--	--	NM	NM
U.S. Total	71,584	80,685	-11.0%	50,773	59,362	19,006	19,221	135	145	1,669	1,957

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

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	1,313	3,628	-64.0%	378	1,070	863	2,477	--	--	71	81
Connecticut	41	349	-88.0%	--	--	41	349	--	--	--	--
Maine	51	61	-16.0%	--	--	32	38	--	--	19	23
Massachusetts	842	2,147	-61.0%	--	--	790	2,089	--	--	52	58
New Hampshire	378	1,070	-65.0%	378	1,070	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	44,378	55,880	-21.0%	NM	8,884	43,037	45,453	25	28	1,301	1,515
New Jersey	1,059	2,050	-48.0%	--	--	1,059	2,050	--	--	--	--
New York	2,288	5,367	-57.0%	NM	17	1,933	4,939	NM	NM	333	404
Pennsylvania	41,031	48,463	-15.0%	--	8,867	40,045	38,464	NM	21	967	1,111
East North Central	180,737	205,794	-12.0%	110,944	135,431	64,532	64,427	400	527	4,860	5,409
Illinois	61,952	66,839	-7.3%	6,183	15,736	52,823	47,824	83	94	2,862	3,186
Indiana	38,601	43,919	-12.0%	34,283	38,728	4,039	4,888	178	193	100	112
Michigan	22,761	25,909	-12.0%	22,149	25,152	223	194	69	162	320	402
Ohio	36,769	45,038	-18.0%	28,830	32,975	7,446	11,521	NM	NM	482	529
Wisconsin	20,654	24,087	-14.0%	19,499	22,841	--	--	58	65	1,097	1,181
West North Central	141,727	151,975	-6.7%	136,685	146,666	--	--	320	368	4,722	4,941
Iowa	25,442	26,839	-5.2%	22,527	23,826	--	--	216	242	2,699	2,771
Kansas	17,919	20,216	-11.0%	17,919	20,216	--	--	--	--	--	--
Minnesota	14,116	18,304	-23.0%	13,042	17,159	--	--	NM	NM	1,051	1,121
Missouri	44,107	45,756	-3.6%	43,902	45,502	--	--	81	101	123	153
Nebraska	15,212	15,620	-2.6%	14,619	14,994	--	--	--	--	592	626
North Dakota	23,004	23,445	-1.9%	22,749	23,174	--	--	--	--	255	271
South Dakota	1,927	1,795	7.3%	1,927	1,795	--	--	--	--	--	--
South Atlantic	121,036	148,091	-18.0%	95,568	120,867	21,817	22,922	111	147	3,540	4,156
Delaware	687	562	22.0%	--	--	687	562	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	18,508	22,722	-19.0%	17,439	21,041	790	1,368	--	--	280	313
Georgia	23,436	31,251	-25.0%	22,867	30,411	--	--	--	--	569	840
Maryland	7,069	9,683	-27.0%	--	--	6,679	9,257	--	--	390	426
North Carolina	20,540	26,540	-23.0%	19,090	24,894	941	1,054	NM	94	445	498
South Carolina	11,825	14,574	-19.0%	11,519	14,035	46	156	--	--	260	382
Virginia	7,431	11,020	-33.0%	5,382	8,194	889	1,564	48	53	1,113	1,207
West Virginia	31,538	31,740	-0.6%	19,271	22,292	11,785	8,960	--	--	482	488
East South Central	89,657	97,759	-8.3%	83,531	92,719	3,986	2,752	46	51	2,095	2,236
Alabama	24,961	27,411	-8.9%	24,553	26,947	46	51	--	--	362	413
Kentucky	39,360	41,473	-5.1%	39,360	41,473	--	--	--	--	--	--
Mississippi	6,590	6,643	-0.8%	2,651	3,942	3,940	2,701	--	--	--	--
Tennessee	18,746	22,231	-16.0%	16,967	20,358	--	--	46	51	1,733	1,822
West South Central	152,775	162,157	-5.8%	78,042	82,949	73,848	78,256	--	--	885	952
Arkansas	17,088	17,631	-3.1%	14,503	15,220	2,466	2,278	--	--	119	133
Louisiana	15,607	15,775	-1.1%	8,073	8,571	7,513	7,180	--	--	NM	24
Oklahoma	19,597	19,836	-1.2%	17,871	17,970	1,233	1,341	--	--	492	525
Texas	100,484	108,916	-7.7%	37,595	41,188	62,636	67,458	--	--	252	269
Mountain	110,488	113,801	-2.9%	97,923	100,235	10,713	11,581	--	--	1,852	1,986
Arizona	23,406	23,218	0.8%	23,029	22,848	--	--	--	--	377	370
Colorado	19,081	19,754	-3.4%	18,863	19,510	218	244	--	--	--	--
Idaho	122	134	-8.7%	--	--	--	--	--	--	122	134
Montana	9,240	9,984	-7.4%	280	297	8,918	9,641	--	--	NM	NM
Nevada	2,215	3,105	-29.0%	1,580	2,376	635	729	--	--	--	--
New Mexico	14,604	16,318	-11.0%	14,604	16,318	--	--	--	--	--	--
Utah	13,726	15,214	-9.8%	13,066	14,527	430	422	--	--	230	264
Wyoming	28,093	26,075	7.7%	26,501	24,357	513	545	--	--	1,080	1,173
Pacific Contiguous	5,718	7,542	-24.0%	1,826	2,352	3,129	4,361	--	--	763	829
California	1,277	1,573	-19.0%	--	--	615	838	--	--	662	736
Oregon	1,826	2,352	-22.0%	1,826	2,352	--	--	--	--	--	--
Washington	2,615	3,617	-28.0%	--	--	2,514	3,523	--	--	100	94
Pacific Noncontiguous	1,838	2,040	-9.9%	292	310	889	1,065	568	564	89	100
Alaska	1,082	1,111	-2.6%	292	310	222	236	568	564	--	--
Hawaii	756	929	-19.0%	--	--	667	829	--	--	89	100
U.S. Total	849,667	948,668	-10.0%	605,205	691,484	222,814	233,295	1,470	1,686	20,178	22,204

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

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Connecticut	NM	NM	NM	NM	NM	NM	NM	NM	--	NM	NM
Maine	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Massachusetts	118	NM	NM	NM	NM	111	NM	NM	2	NM	NM
New Hampshire	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	*	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Middle Atlantic	NM	243	NM	NM	33	214	181	NM	NM	NM	NM
New Jersey	93	NM	NM	NM	NM	91	NM	NM	NM	NM	NM
New York	NM	176	NM	NM	33	71	117	NM	NM	NM	NM
Pennsylvania	NM	66	NM	NM	NM	NM	62	NM	NM	NM	NM
East North Central	241	164	47.0%	116	138	14	18	NM	NM	109	NM
Illinois	10	19	-47.0%	NM	NM	6	12	NM	NM	NM	NM
Indiana	122	31	287.0%	14	28	NM	NM	NM	NM	107	NM
Michigan	20	50	-59.0%	18	47	--	--	NM	NM	1	1
Ohio	83	53	57.0%	75	47	7	6	NM	NM	*	1
Wisconsin	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
West North Central	59	70	-15.0%	55	65	NM	NM	NM	NM	NM	NM
Iowa	27	20	33.0%	26	19	NM	NM	NM	NM	NM	NM
Kansas	NM	NM	NM	NM	NM	--	--	--	--	--	--
Minnesota	NM	NM	NM	NM	NM	NM	2	NM	NM	NM	NM
Missouri	15	15	-0.9%	15	15	NM	NM	NM	NM	--	--
Nebraska	NM	6	NM	NM	6	--	--	--	--	--	--
North Dakota	NM	NM	NM	4	7	--	--	NM	--	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	--	--	--
South Atlantic	402	454	-12.0%	260	209	NM	116	NM	NM	NM	129
Delaware	NM	13	NM	NM	NM	NM	13	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	NM	125	NM	168	89	NM	NM	--	--	NM	NM
Georgia	NM	75	NM	13	47	3	NM	NM	NM	NM	NM
Maryland	NM	66	NM	NM	NM	NM	59	NM	NM	2	3
North Carolina	NM	NM	NM	17	21	NM	NM	NM	NM	NM	NM
South Carolina	NM	33	NM	30	10	--	--	NM	NM	NM	NM
Virginia	NM	48	NM	6	NM	NM	29	NM	1	NM	NM
West Virginia	27	45	-40.0%	24	33	NM	12	--	--	--	--
East South Central	114	260	-56.0%	92	219	NM	NM	--	--	NM	NM
Alabama	NM	83	NM	11	45	NM	NM	--	--	NM	NM
Kentucky	25	26	-3.3%	25	26	--	--	--	--	--	--
Mississippi	NM	NM	NM	NM	NM	--	--	--	--	NM	NM
Tennessee	59	146	-60.0%	56	144	--	--	--	--	NM	NM
West South Central	NM	26	NM	16	NM	20	19	NM	NM	NM	NM
Arkansas	NM	NM	NM	13	--	4	--	--	--	NM	NM
Louisiana	NM	NM	NM	NM	NM	7	4	--	--	NM	NM
Oklahoma	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Texas	NM	19	NM	4	2	9	15	NM	NM	NM	NM
Mountain	43	56	-24.0%	38	50	4	5	NM	NM	NM	NM
Arizona	6	14	-55.0%	6	13	--	--	NM	NM	NM	NM
Colorado	NM	10	NM	NM	10	--	--	--	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	NM	NM	NM	NM	NM	2	NM	--	--	--	--
Nevada	5	3	74.0%	4	2	1	*	--	--	--	--
New Mexico	12	6	84.0%	11	5	NM	1	--	--	NM	NM
Utah	NM	NM	NM	NM	NM	NM	NM	--	--	--	--
Wyoming	8	9	-8.7%	8	9	--	--	--	--	NM	NM
Pacific Contiguous	NM	NM	NM	12	NM	NM	2	NM	NM	NM	NM
California	NM	NM	NM	6	NM	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	NM	--	--	--	NM	NM	NM	NM
Washington	NM	NM	NM	5	NM	NM	2	NM	NM	NM	NM
Pacific Noncontiguous	1,111	1,185	-6.3%	860	922	185	211	NM	NM	NM	NM
Alaska	173	167	3.9%	164	155	--	--	NM	NM	NM	NM
Hawaii	938	1,019	-8.0%	696	767	185	211	NM	NM	NM	NM
U.S. Total	2,516	2,582	-2.6%	1,478	1,645	616	589	NM	NM	NM	329

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

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	1,090	2,334	-53.0%	NM	NM	528	1,182	NM	219	331	822
Connecticut	NM	264	NM	NM	NM	NM	216	NM	--	NM	NM
Maine	409	1,334	-69.0%	NM	NM	NM	543	NM	NM	310	780
Massachusetts	302	476	-37.0%	NM	NM	235	421	48	NM	NM	NM
New Hampshire	NM	160	NM	NM	NM	NM	NM	NM	119	NM	NM
Rhode Island	NM	NM	NM	NM	NM	NM	1	NM	NM	--	--
Vermont	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Middle Atlantic	2,404	3,418	-30.0%	721	1,071	1,343	2,042	128	NM	NM	NM
New Jersey	192	516	-63.0%	NM	NM	169	269	NM	NM	NM	NM
New York	1,588	1,988	-20.0%	712	840	586	908	122	NM	NM	NM
Pennsylvania	625	914	-32.0%	NM	NM	589	865	NM	NM	NM	NM
East North Central	1,584	1,557	1.7%	1,014	1,267	177	197	NM	NM	372	67
Illinois	143	174	-18.0%	47	64	95	110	NM	NM	NM	NM
Indiana	554	350	58.0%	210	306	NM	NM	NM	NM	344	39
Michigan	275	366	-25.0%	241	335	*	*	NM	NM	13	10
Ohio	525	570	-7.9%	438	479	75	83	NM	NM	11	8
Wisconsin	88	97	-9.5%	78	83	6	NM	NM	NM	NM	NM
West North Central	652	726	-10.0%	621	664	NM	NM	NM	NM	NM	NM
Iowa	205	160	28.0%	202	156	NM	NM	NM	NM	NM	NM
Kansas	90	96	-6.1%	90	96	--	--	--	--	--	--
Minnesota	NM	70	NM	40	43	NM	7	NM	NM	NM	NM
Missouri	179	209	-14.0%	178	206	NM	NM	NM	NM	--	NM
Nebraska	34	63	-47.0%	34	63	--	--	--	--	--	--
North Dakota	83	109	-24.0%	69	82	--	--	NM	NM	NM	NM
South Dakota	NM	19	NM	NM	18	NM	NM	NM	NM	--	--
South Atlantic	3,805	9,843	-61.0%	2,082	6,979	NM	925	NM	NM	1,234	1,923
Delaware	48	106	-55.0%	NM	NM	44	102	--	--	--	--
District of Columbia	NM	215	NM	--	--	NM	215	--	--	--	--
Florida	1,029	5,266	-80.0%	723	4,684	NM	NM	--	--	NM	515
Georgia	504	737	-32.0%	233	301	9	NM	NM	NM	260	424
Maryland	266	400	-34.0%	NM	NM	170	349	NM	NM	77	28
North Carolina	550	684	-20.0%	298	315	NM	NM	NM	NM	248	NM
South Carolina	527	539	-2.4%	277	225	--	--	NM	NM	249	313
Virginia	609	1,566	-61.0%	281	1,132	160	143	5	8	164	NM
West Virginia	260	330	-21.0%	248	295	13	35	--	--	--	--
East South Central	695	1,311	-47.0%	475	942	NM	17	--	--	214	352
Alabama	286	499	-43.0%	104	187	NM	17	--	--	175	295
Kentucky	215	244	-12.0%	215	244	--	--	--	--	--	--
Mississippi	NM	111	NM	23	NM	--	--	--	--	NM	15
Tennessee	159	456	-65.0%	133	414	--	--	--	--	NM	NM
West South Central	354	452	-22.0%	128	172	171	177	NM	NM	NM	NM
Arkansas	86	91	-4.9%	48	28	26	38	--	--	NM	NM
Louisiana	NM	116	NM	18	35	33	34	--	--	NM	NM
Oklahoma	NM	NM	NM	NM	NM	--	--	NM	NM	--	--
Texas	175	229	-23.0%	46	92	111	106	NM	NM	NM	NM
Mountain	500	509	-1.8%	430	439	60	61	NM	NM	NM	NM
Arizona	89	120	-26.0%	83	114	--	--	NM	NM	NM	6
Colorado	40	66	-40.0%	39	65	*	--	NM	NM	NM	NM
Idaho	NM	NM	NM	NM	NM	--	--	--	--	--	--
Montana	47	50	-6.6%	NM	8	39	42	--	--	--	--
Nevada	40	29	41.0%	30	21	10	8	--	--	--	--
New Mexico	114	56	103.0%	104	46	NM	10	--	--	NM	NM
Utah	79	88	-10.0%	78	87	NM	NM	--	--	--	--
Wyoming	91	100	-9.0%	89	98	--	--	--	--	NM	NM
Pacific Contiguous	378	550	-31.0%	94	81	NM	NM	NM	NM	NM	435
California	103	NM	NM	66	59	NM	NM	NM	NM	NM	NM
Oregon	NM	NM	NM	14	12	--	--	NM	NM	NM	NM
Washington	248	446	-44.0%	14	9	15	17	NM	NM	NM	418
Pacific Noncontiguous	14,022	15,456	-9.3%	11,330	12,133	2,096	2,457	NM	NM	580	850
Alaska	1,761	1,658	6.2%	1,649	1,543	--	--	NM	NM	100	103
Hawaii	12,260	13,798	-11.0%	9,681	10,590	2,096	2,457	4	NM	480	747
U.S. Total	25,485	36,158	-30.0%	16,977	23,859	4,914	7,096	335	325	3,259	4,878

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	6	NM	--	--	NM	NM	--	--	NM	5
New Jersey	NM	NM	NM	--	--	--	--	--	--	NM	NM
New York	NM	NM	NM	--	--	NM	NM	--	--	--	--
Pennsylvania	NM	5	NM	--	--	--	--	--	--	NM	5
East North Central	105	135	-22.0%	*	19	58	58	--	--	47	58
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	*	19	-100.0%	*	19	--	--	--	--	--	--
Michigan	19	31	-38.0%	--	--	5	6	--	--	14	25
Ohio	71	70	1.8%	--	--	53	52	--	--	19	NM
Wisconsin	14	15	-5.0%	--	--	--	--	--	--	14	15
West North Central	NM	2	NM	--	--	--	--	NM	2	--	--
Iowa	NM	2	NM	--	--	--	--	NM	2	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	97	147	-34.0%	74	95	--	--	--	--	23	52
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	74	95	-23.0%	74	95	--	--	--	--	--	--
Georgia	23	52	-55.0%	--	--	--	--	--	--	23	52
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	56	13	318.0%	56	13	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	56	13	318.0%	56	13	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	227	176	29.0%	146	146	--	--	--	--	81	31
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	172	173	-0.9%	146	146	--	--	--	--	25	28
Oklahoma	NM	1	NM	--	--	--	--	--	--	NM	1
Texas	55	NM	NM	--	--	--	--	--	--	55	NM
Mountain	25	25	-0.4%	--	--	25	25	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	25	25	-0.4%	--	--	25	25	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	13	50	-73.0%	--	--	NM	40	--	--	NM	NM
California	13	50	-73.0%	--	--	NM	40	--	--	NM	NM
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	530	554	-4.3%	276	273	85	123	NM	2	167	156

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	49	79	-38.0%	--	--	NM	23	--	--	44	56
New Jersey	NM	NM	NM	--	--	--	--	--	--	NM	NM
New York	NM	23	NM	--	--	NM	23	--	--	--	--
Pennsylvania	NM	50	NM	--	--	--	--	--	--	NM	50
East North Central	1,134	1,416	-20.0%	158	401	530	485	--	--	446	530
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	114	287	-60.0%	114	287	--	--	--	--	--	--
Michigan	159	188	-16.0%	--	--	36	32	--	--	123	156
Ohio	659	662	-0.6%	--	--	494	453	--	--	164	209
Wisconsin	202	279	-27.0%	44	114	--	--	--	--	159	165
West North Central	13	27	-51.0%	NM	18	--	--	13	9	--	--
Iowa	13	25	-45.0%	NM	15	--	--	13	9	--	--
Kansas	--	3	-100.0%	--	3	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	741	1,448	-49.0%	563	1,119	--	--	--	--	178	329
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	563	1,119	-50.0%	563	1,119	--	--	--	--	--	--
Georgia	178	329	-46.0%	--	--	--	--	--	--	178	329
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	532	463	15.0%	532	463	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	532	463	15.0%	532	463	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,938	1,772	9.4%	1,178	1,445	36	NM	--	--	724	315
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,401	1,728	-19.0%	1,178	1,445	--	--	--	--	223	284
Oklahoma	NM	5	NM	--	--	--	--	--	--	NM	5
Texas	533	38	NM	--	--	36	NM	--	--	497	26
Mountain	251	274	-8.2%	--	--	251	274	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	251	274	-8.2%	--	--	251	274	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	199	503	-60.0%	--	--	104	381	--	--	95	121
California	199	503	-60.0%	--	--	104	381	--	--	95	121
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	4,858	5,980	-19.0%	2,432	3,445	926	1,175	13	9	1,487	1,351

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
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Notes:
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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	30,312	37,778	-20.0%	148	114	26,461	33,430	1,057	1,193	2,647	3,041
Connecticut	10,227	9,918	3.1%	NM	68	9,583	9,057	230	NM	360	NM
Maine	3,520	5,694	-38.0%	--	--	1,549	3,493	NM	NM	1,969	2,200
Massachusetts	9,388	12,273	-24.0%	88	41	8,330	11,216	678	NM	292	NM
New Hampshire	3,514	4,502	-22.0%	*	*	3,488	4,465	--	--	NM	NM
Rhode Island	3,658	5,387	-32.0%	--	--	3,510	5,199	148	NM	--	--
Vermont	4	4	18.0%	4	4	--	--	--	--	--	--
Middle Atlantic	79,541	81,942	-2.9%	10,038	9,115	66,556	68,413	946	NM	2,001	3,230
New Jersey	12,495	17,362	-28.0%	--	--	11,722	15,692	151	NM	622	1,485
New York	35,629	34,908	2.1%	10,036	9,110	24,402	24,362	746	NM	445	NM
Pennsylvania	31,417	29,672	5.9%	NM	5	30,432	28,359	NM	NM	934	1,241
East North Central	37,206	43,964	-15.0%	12,293	14,961	19,792	22,432	1,818	1,957	3,303	4,614
Illinois	3,448	3,398	1.5%	103	409	1,858	1,517	577	603	909	869
Indiana	7,976	11,413	-30.0%	4,527	7,637	2,383	2,375	131	NM	935	1,216
Michigan	7,033	11,755	-40.0%	1,205	2,510	4,445	7,824	758	910	626	511
Ohio	13,146	12,078	8.8%	3,684	1,947	9,088	8,479	161	NM	214	1,610
Wisconsin	5,602	5,320	5.3%	2,774	2,458	2,018	2,237	NM	218	619	408
West North Central	10,467	6,311	66.0%	8,623	4,854	732	523	NM	392	818	542
Iowa	1,968	297	564.0%	1,846	286	--	NM	NM	NM	NM	2
Kansas	748	932	-20.0%	746	932	--	--	--	--	NM	NM
Minnesota	5,375	2,953	82.0%	4,110	1,783	521	459	NM	283	493	429
Missouri	1,927	1,964	-1.9%	1,708	1,781	211	NM	2	101	NM	NM
Nebraska	NM	101	NM	60	64	--	--	NM	NM	NM	36
North Dakota	NM	55	NM	--	*	--	--	--	--	NM	54
South Dakota	152	9	NM	152	9	--	--	--	--	--	--
South Atlantic	148,291	131,098	13.0%	113,365	98,545	27,158	25,728	NM	NM	7,433	6,689
Delaware	4,442	5,303	-16.0%	NM	17	3,414	3,682	--	--	1,021	1,604
District of Columbia	NM	80	NM	--	80	--	--	NM	--	--	--
Florida	81,648	76,616	6.6%	71,986	69,179	7,059	5,193	NM	NM	2,563	2,211
Georgia	27,576	16,018	72.0%	17,307	7,310	8,073	7,329	--	--	2,196	NM
Maryland	1,689	1,181	43.0%	--	--	1,345	681	167	NM	178	NM
North Carolina	10,967	8,900	23.0%	8,695	7,074	1,858	1,520	NM	NM	NM	NM
South Carolina	7,421	8,041	-7.7%	6,849	7,306	NM	657	NM	NM	NM	NM
Virginia	14,317	14,872	-3.7%	8,506	7,563	4,932	6,623	--	--	878	NM
West Virginia	155	NM	NM	15	16	46	43	--	--	NM	NM
East South Central	60,147	58,979	2.0%	32,417	30,623	22,934	24,977	NM	NM	4,625	3,163
Alabama	32,085	34,699	-7.5%	9,310	10,123	20,267	22,372	--	--	2,507	NM
Kentucky	1,101	722	53.0%	760	472	NM	22	--	--	327	NM
Mississippi	21,551	20,957	2.8%	17,208	17,811	2,652	2,583	NM	NM	1,652	NM
Tennessee	5,410	2,601	108.0%	5,139	2,217	--	--	133	NM	139	NM
West South Central	219,540	223,862	-1.9%	46,039	47,957	93,639	101,703	NM	NM	79,144	73,548
Arkansas	6,634	7,098	-6.5%	356	1,175	5,406	4,932	NM	NM	NM	NM
Louisiana	46,666	40,554	15.0%	17,049	11,102	6,145	5,610	NM	NM	23,415	23,796
Oklahoma	15,759	18,095	-13.0%	12,260	13,492	2,911	3,959	NM	NM	NM	500
Texas	150,481	158,116	-4.8%	16,374	22,187	79,176	87,202	NM	NM	54,428	48,261
Mountain	39,908	47,092	-15.0%	24,609	31,200	13,289	14,215	NM	NM	1,793	NM
Arizona	7,222	10,005	-28.0%	3,621	5,549	3,493	4,395	NM	NM	NM	20
Colorado	5,637	8,262	-32.0%	3,139	6,670	2,478	NM	--	NM	NM	NM
Idaho	951	1,882	-49.0%	162	316	494	1,468	--	--	NM	99
Montana	NM	340	NM	NM	331	NM	9	--	--	--	--
Nevada	15,897	13,972	14.0%	11,309	10,101	4,387	3,688	NM	NM	NM	131
New Mexico	5,157	7,483	-31.0%	3,078	4,728	1,951	2,617	NM	NM	NM	49
Utah	3,910	4,170	-6.2%	3,227	3,478	481	461	NM	NM	NM	NM
Wyoming	1,073	979	9.6%	NM	28	NM	NM	--	--	1,054	943
Pacific Contiguous	91,294	109,371	-17.0%	25,715	36,381	47,995	53,513	2,573	NM	15,012	NM
California	81,755	89,612	-8.8%	22,501	26,436	42,522	44,649	2,376	NM	14,355	NM
Oregon	6,081	12,026	-49.0%	1,214	4,435	4,582	7,236	NM	143	NM	212
Washington	3,458	7,733	-55.0%	2,000	5,510	891	1,628	NM	301	435	293
Pacific Noncontiguous	3,102	4,033	-23.0%	3,028	3,950	--	--	NM	NM	NM	79
Alaska	3,102	4,033	-23.0%	3,028	3,950	--	--	NM	NM	NM	79
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	719,806	744,430	-3.3%	276,274	277,700	318,558	344,934	8,136	NM	116,838	112,652

* = 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.
W = Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	480,725	484,260	-0.7%	4,438	4,226	431,123	434,504	12,408	13,156	32,755	32,373
Connecticut	125,821	116,563	7.9%	834	738	116,957	107,121	3,073	3,210	4,957	5,494
Maine	51,732	56,230	-8.0%	--	--	28,362	33,578	NM	NM	23,355	22,639
Massachusetts	189,927	198,295	-4.2%	2,813	2,393	175,658	184,156	7,367	7,872	4,089	3,875
New Hampshire	50,764	47,137	7.7%	754	1,046	49,656	45,725	--	--	355	NM
Rhode Island	62,443	65,984	-5.4%	--	--	60,490	63,925	1,954	2,060	--	--
Vermont	37	49	-24.0%	37	49	--	--	--	--	--	--
Middle Atlantic	1,154,829	983,951	17.0%	137,767	128,984	980,708	809,805	10,873	10,433	25,480	34,729
New Jersey	229,404	218,548	5.0%	--	--	219,055	199,866	2,030	2,139	8,318	16,542
New York	519,148	446,583	16.0%	137,678	128,934	368,305	304,592	8,087	7,616	5,078	5,440
Pennsylvania	406,277	318,821	27.0%	90	NM	393,347	305,346	756	NM	12,084	12,746
East North Central	702,306	459,563	53.0%	235,239	139,051	400,769	249,959	22,381	19,654	43,917	50,900
Illinois	94,142	67,266	40.0%	13,436	10,051	62,472	38,614	6,195	6,553	12,039	12,047
Indiana	131,016	101,358	29.0%	85,300	56,417	30,020	29,554	1,740	1,890	13,955	13,497
Michigan	206,250	124,100	66.0%	41,874	24,739	146,571	87,627	9,201	6,434	8,603	5,299
Ohio	173,082	111,716	55.0%	46,295	24,129	121,742	69,403	2,253	2,278	2,792	15,907
Wisconsin	97,815	55,124	77.0%	48,333	23,714	39,964	24,761	2,991	2,499	6,527	4,150
West North Central	186,056	125,986	48.0%	149,061	100,589	22,219	14,392	5,710	4,113	9,066	6,891
Iowa	20,113	10,751	87.0%	19,467	10,351	NM	NM	433	313	211	86
Kansas	32,302	30,590	5.6%	32,193	30,562	--	--	--	--	NM	NM
Minnesota	66,663	37,920	76.0%	46,713	22,560	10,314	7,760	4,010	3,033	5,626	4,568
Missouri	52,457	38,707	36.0%	39,258	31,275	11,903	6,631	1,217	730	NM	NM
Nebraska	9,621	5,311	81.0%	8,155	4,251	--	--	NM	37	1,417	1,023
North Dakota	1,627	1,117	46.0%	NM	*	--	--	--	--	1,625	1,116
South Dakota	3,273	1,590	106.0%	3,273	1,590	--	--	--	--	--	--
South Atlantic	2,108,192	1,706,965	24.0%	1,571,610	1,293,449	453,653	347,656	3,307	2,883	79,621	62,977
Delaware	66,601	49,063	36.0%	240	174	53,853	38,818	--	--	12,508	10,071
District of Columbia	1,118	1,012	10.0%	979	1,012	--	--	139	--	--	--
Florida	1,173,477	1,069,608	9.7%	1,039,854	956,933	105,452	87,907	NM	NM	27,662	24,309
Georgia	336,246	208,798	61.0%	190,565	96,573	126,315	100,159	--	--	19,365	12,067
Maryland	55,639	28,079	98.0%	--	--	48,862	21,397	2,229	2,376	4,548	4,306
North Carolina	155,110	93,618	66.0%	127,650	71,816	23,390	18,420	NM	NM	3,657	3,342
South Carolina	117,158	101,302	16.0%	98,773	86,739	16,741	13,143	NM	NM	1,628	1,413
Virginia	199,238	151,657	31.0%	113,146	79,749	77,084	65,571	--	--	9,008	6,337
West Virginia	3,604	3,827	-5.8%	403	454	1,956	2,241	--	--	1,245	1,133
East South Central	858,523	682,990	26.0%	458,984	364,544	354,457	278,074	2,242	2,235	42,839	38,137
Alabama	430,144	368,618	17.0%	114,399	107,537	287,873	236,931	--	--	27,872	24,150
Kentucky	36,273	20,789	74.0%	28,188	14,023	3,688	1,578	--	--	4,397	5,188
Mississippi	324,949	261,588	24.0%	252,943	215,684	62,897	39,565	NM	NM	8,667	5,913
Tennessee	67,156	31,994	110.0%	63,453	27,299	--	--	1,800	1,810	1,903	2,885
West South Central	3,218,374	3,043,534	5.7%	828,529	798,424	1,482,570	1,342,974	8,672	8,485	898,602	893,651
Arkansas	140,259	111,262	26.0%	24,916	23,302	105,528	78,049	NM	NM	9,808	9,906
Louisiana	597,462	567,240	5.3%	228,896	226,417	96,953	67,644	NM	NM	270,958	272,533
Oklahoma	324,621	284,687	14.0%	231,262	215,637	86,956	62,761	1,871	1,844	4,533	4,444
Texas	2,156,032	2,080,345	3.6%	343,456	333,069	1,193,133	1,134,520	6,140	5,989	613,303	606,768
Mountain	672,784	578,209	16.0%	394,960	353,800	254,483	206,526	NM	NM	NM	15,439
Arizona	230,358	184,970	25.0%	112,093	83,036	117,130	101,035	NM	NM	NM	95
Colorado	87,600	85,134	2.9%	47,927	68,364	39,350	16,465	NM	NM	NM	NM
Idaho	16,064	10,177	58.0%	4,790	1,615	9,558	6,701	--	--	1,717	1,860
Montana	1,598	4,681	-66.0%	1,378	4,569	220	112	--	--	--	--
Nevada	194,865	165,896	17.0%	138,470	114,443	53,824	49,286	NM	NM	NM	1,535
New Mexico	76,355	75,416	1.2%	48,068	45,904	NM	28,083	NM	NM	NM	509
Utah	52,091	42,436	23.0%	41,722	35,545	7,521	4,762	NM	NM	NM	NM
Wyoming	13,853	9,501	46.0%	513	323	162	81	--	--	13,178	9,096
Pacific Contiguous	1,205,585	946,362	27.0%	350,071	281,116	657,438	474,727	NM	NM	NM	160,680
California	1,070,180	838,613	28.0%	288,481	234,353	592,723	421,165	NM	NM	NM	155,535
Oregon	84,862	64,290	32.0%	28,304	20,090	53,331	41,490	1,049	726	2,179	1,985
Washington	50,542	43,459	16.0%	33,286	26,674	11,384	12,072	2,115	1,553	3,757	3,160
Pacific Noncontiguous	44,449	44,344	0.2%	43,337	43,429	--	--	93	65	1,019	850
Alaska	44,449	44,344	0.2%	43,337	43,429	--	--	93	65	1,019	850
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	10,631,822	9,056,164	17.0%	4,173,998	3,507,613	5,037,420	4,158,617	98,515	93,306	1,321,890	1,296,628

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

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

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

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, December 2012 and 2011

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011
New England	W	4.07	W	4.30	3.24	W	4.55
Connecticut	W	--	W	--	--	W	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.30	3.24	33.0%	4.30	3.24	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.53	2.56	-1.2%	NM	2.92	2.53	2.48
New Jersey	W	3.56	W	--	--	W	3.56
New York	W	3.31	W	NM	4.15	W	3.31
Pennsylvania	2.44	2.49	-2.0%	--	2.92	2.44	2.38
East North Central	2.37	2.33	1.7%	2.49	2.47	2.10	2.03
Illinois	1.91	1.73	10.0%	1.98	1.81	1.90	1.71
Indiana	W	W	W	2.55	2.51	W	W
Michigan	W	W	W	2.90	2.93	W	W
Ohio	2.49	2.51	-0.8%	2.38	2.32	3.09	3.11
Wisconsin	2.31	2.54	-9.1%	2.31	2.54	--	--
West North Central	1.73	1.64	5.5%	1.73	1.64	--	--
Iowa	1.47	1.43	2.8%	1.47	1.43	--	--
Kansas	1.84	1.76	4.5%	1.84	1.76	--	--
Minnesota	2.04	1.94	5.2%	2.04	1.94	--	--
Missouri	1.84	1.71	7.6%	1.84	1.71	--	--
Nebraska	1.54	1.44	6.9%	1.54	1.44	--	--
North Dakota	1.50	1.36	10.0%	1.50	1.36	--	--
South Dakota	2.01	2.11	-4.7%	2.01	2.11	--	--
South Atlantic	3.34	3.35	-0.3%	3.39	3.41	3.18	3.03
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.42	3.46	W	W
Georgia	3.29	3.64	-9.6%	3.29	3.64	--	--
Maryland	3.87	3.72	4.0%	--	--	3.87	3.72
North Carolina	3.75	3.72	0.8%	3.78	3.75	3.11	2.96
South Carolina	3.86	W	W	3.86	3.92	--	W
Virginia	W	3.53	W	3.32	3.48	W	3.70
West Virginia	2.69	2.43	11.0%	2.78	2.51	2.57	2.21
East South Central	W	W	W	2.59	2.64	W	W
Alabama	W	W	W	2.86	2.82	W	W
Kentucky	2.36	2.41	-2.1%	2.36	2.41	--	--
Mississippi	W	W	W	4.46	3.77	W	W
Tennessee	2.55	2.72	-6.3%	2.55	2.72	--	--
West South Central	2.02	1.97	2.5%	2.22	2.04	1.79	1.86
Arkansas	W	W	W	2.49	2.05	W	W
Louisiana	W	W	W	3.15	2.64	W	W
Oklahoma	W	W	W	1.92	1.86	W	W
Texas	1.87	1.89	-1.1%	2.05	1.98	1.75	1.82
Mountain	1.80	1.73	4.0%	1.84	1.79	1.40	1.18
Arizona	2.13	2.05	3.9%	2.13	2.05	--	--
Colorado	W	W	W	1.85	1.61	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	NM	1.19	W	W
Nevada	W	W	W	2.50	2.46	W	W
New Mexico	2.14	2.09	2.4%	2.14	2.09	--	--
Utah	W	W	W	1.93	1.70	W	W
Wyoming	W	W	W	1.38	1.56	W	W
Pacific Contiguous	2.19	2.14	2.3%	1.89	1.75	2.38	2.34
California	W	W	W	--	--	W	W
Oregon	1.89	1.75	8.0%	1.89	1.75	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	1.69	NM	W	W
Alaska	W	W	W	1.69	NM	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.37	2.33	1.7%	2.40	2.37	2.28	2.18

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

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

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

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	W	3.68	W	4.01	3.55	W	3.74
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	3.26	W	W	--	--	3.26	W
New Hampshire	4.01	3.55	13.0%	4.01	3.55	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.54	2.68	-5.2%	NM	2.92	2.54	2.63
New Jersey	4.05	4.18	-3.1%	--	--	4.05	4.18
New York	3.20	3.27	-2.1%	NM	3.88	3.19	3.27
Pennsylvania	2.46	2.55	-3.5%	--	2.91	2.46	2.45
East North Central	2.41	2.30	4.8%	2.54	2.41	2.15	2.04
Illinois	1.93	1.72	12.0%	2.08	1.77	1.91	1.70
Indiana	W	W	W	2.60	2.47	W	W
Michigan	W	W	W	2.92	2.81	W	W
Ohio	2.58	2.47	4.5%	2.41	2.29	3.24	3.01
Wisconsin	2.37	2.50	-5.2%	2.37	2.50	--	--
West North Central	1.73	1.64	5.5%	1.73	1.64	--	--
Iowa	1.48	1.43	3.5%	1.48	1.43	--	--
Kansas	1.83	1.75	4.6%	1.83	1.75	--	--
Minnesota	1.98	1.93	2.6%	1.98	1.93	--	--
Missouri	1.86	1.72	8.1%	1.86	1.72	--	--
Nebraska	1.54	1.51	2.0%	1.54	1.51	--	--
North Dakota	1.50	1.34	12.0%	1.50	1.34	--	--
South Dakota	2.16	2.09	3.3%	2.16	2.09	--	--
South Atlantic	3.36	3.41	-1.5%	3.45	3.46	2.96	3.15
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.49	3.53	W	W
Georgia	3.47	3.75	-7.5%	3.47	3.75	--	--
Maryland	3.62	3.72	-2.7%	--	--	3.62	3.72
North Carolina	3.79	3.63	4.4%	3.82	3.66	3.18	2.89
South Carolina	W	W	W	3.97	3.84	W	W
Virginia	W	3.55	W	3.61	3.53	W	3.66
West Virginia	2.54	2.46	3.3%	2.70	2.56	2.27	2.20
East South Central	W	W	W	2.70	2.65	W	W
Alabama	W	W	W	3.00	2.87	W	W
Kentucky	2.44	2.34	4.3%	2.44	2.34	--	--
Mississippi	W	W	W	4.45	3.87	W	W
Tennessee	2.61	2.82	-7.4%	2.61	2.82	--	--
West South Central	2.03	1.92	5.7%	2.12	1.96	1.93	1.87
Arkansas	W	W	W	2.25	1.91	W	W
Louisiana	W	W	W	2.87	2.66	W	W
Oklahoma	W	W	W	1.97	1.76	W	W
Texas	1.93	1.87	3.2%	1.99	1.93	1.89	1.84
Mountain	1.83	1.78	2.8%	1.87	1.81	1.48	1.44
Arizona	2.07	1.98	4.5%	2.07	1.98	--	--
Colorado	W	W	W	1.85	1.72	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.52	1.48	W	W
Nevada	W	W	W	2.55	2.60	W	W
New Mexico	2.18	2.05	6.3%	2.18	2.05	--	--
Utah	W	W	W	1.91	1.77	W	W
Wyoming	W	W	W	1.44	1.50	W	W
Pacific Contiguous	2.28	2.21	3.2%	1.89	1.79	2.49	2.42
California	W	W	W	--	--	W	W
Oregon	1.89	1.79	5.6%	1.89	1.79	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	1.70	1.66	W	W
Alaska	W	W	W	1.70	1.66	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.39	2.38	0.4%	2.43	2.41	2.27	2.28

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

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, December 2012 and 2011

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011
New England	W	W	W	NM	NM	W	W
Connecticut	NM	NM	NM	NM	NM	NM	NM
Maine	NM	W	W	NM	NM	NM	W
Massachusetts	NM	21.48	NM	NM	NM	NM	NM
New Hampshire	W	W	W	NM	NM	W	W
Rhode Island	W	W	W	NM	NM	W	W
Vermont	NM	NM	NM	NM	NM	--	--
Middle Atlantic	20.65	22.00	-6.1%	NM	22.23	20.35	21.96
New Jersey	W	23.01	W	NM	NM	W	23.04
New York	20.16	21.89	-7.9%	NM	22.23	19.27	21.80
Pennsylvania	W	22.25	W	NM	NM	W	22.25
East North Central	23.06	21.50	7.3%	22.98	21.23	23.66	23.57
Illinois	W	W	W	NM	NM	W	W
Indiana	W	W	W	23.28	20.39	W	W
Michigan	22.61	NM	NM	22.61	NM	--	--
Ohio	W	22.02	W	22.90	22.03	W	21.94
Wisconsin	W	W	W	23.97	NM	W	W
West North Central	22.48	21.65	3.8%	22.47	21.62	NM	NM
Iowa	W	W	W	22.54	21.66	W	W
Kansas	22.85	NM	NM	22.85	NM	--	--
Minnesota	W	W	W	24.08	NM	W	W
Missouri	W	W	W	21.69	21.14	W	W
Nebraska	NM	21.59	NM	NM	21.59	--	--
North Dakota	22.70	23.46	-3.2%	22.70	23.46	--	--
South Dakota	W	W	W	NM	18.30	W	W
South Atlantic	W	22.01	W	20.38	22.14	W	21.77
Delaware	NM	W	W	NM	NM	NM	W
District of Columbia	--	--	--	--	--	--	--
Florida	NM	NM	NM	18.85	21.88	NM	NM
Georgia	W	W	W	24.37	22.81	W	W
Maryland	21.79	21.52	1.3%	NM	NM	21.77	21.50
North Carolina	23.49	21.55	9.0%	23.53	21.61	NM	NM
South Carolina	23.84	21.97	8.5%	23.84	21.97	--	--
Virginia	NM	W	W	NM	21.01	NM	W
West Virginia	W	W	W	22.71	22.48	W	W
East South Central	W	W	W	22.15	21.41	W	W
Alabama	W	W	W	22.49	21.58	W	W
Kentucky	23.15	21.75	6.4%	23.15	21.75	--	--
Mississippi	NM	NM	NM	NM	NM	--	--
Tennessee	21.61	21.29	1.5%	21.61	21.29	--	--
West South Central	W	W	W	22.65	NM	W	W
Arkansas	W	--	W	22.60	--	W	--
Louisiana	W	W	W	NM	NM	W	W
Oklahoma	NM	NM	NM	NM	NM	--	--
Texas	23.12	21.87	5.7%	22.80	22.37	23.25	21.81
Mountain	22.26	23.07	-3.5%	22.37	23.15	21.24	22.21
Arizona	20.29	20.63	-1.6%	20.29	20.63	--	--
Colorado	20.10	23.17	-13.0%	20.10	23.17	--	--
Idaho	NM	NM	NM	NM	NM	--	--
Montana	W	W	W	NM	NM	W	W
Nevada	W	W	W	24.48	23.85	W	W
New Mexico	W	W	W	24.84	24.80	W	W
Utah	W	W	W	21.21	24.05	W	W
Wyoming	21.26	25.03	-15.0%	21.26	25.03	--	--
Pacific Contiguous	W	W	W	24.54	NM	W	W
California	W	W	W	24.75	NM	W	W
Oregon	NM	--	--	NM	--	--	--
Washington	W	W	W	NM	NM	W	W
Pacific Noncontiguous	W	W	W	21.31	22.05	W	W
Alaska	22.95	23.08	-0.6%	22.95	23.08	--	--
Hawaii	W	W	W	20.96	21.87	W	W
U.S. Total	21.11	22.04	-4.2%	21.47	21.94	20.20	22.35

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

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	W	W	W	22.11	21.12	W	W
Connecticut	NM	21.91	NM	NM	NM	NM	21.93
Maine	W	W	W	NM	NM	W	W
Massachusetts	W	19.76	W	NM	NM	W	19.66
New Hampshire	W	W	W	NM	19.90	W	W
Rhode Island	W	W	W	NM	NM	W	W
Vermont	NM	NM	NM	NM	NM	--	--
Middle Atlantic	21.79	20.15	8.1%	21.40	19.21	22.00	20.66
New Jersey	20.52	18.36	12.0%	NM	NM	20.52	20.28
New York	21.78	19.66	11.0%	21.41	20.00	22.22	19.36
Pennsylvania	22.15	22.19	-0.2%	NM	NM	22.15	22.19
East North Central	23.13	22.33	3.6%	23.02	22.20	23.73	23.18
Illinois	W	23.72	W	23.91	23.09	W	24.09
Indiana	W	W	W	23.15	21.83	W	W
Michigan	W	W	W	22.80	22.13	W	W
Ohio	23.04	22.26	3.5%	23.02	22.32	23.21	21.95
Wisconsin	W	W	W	22.87	22.49	W	W
West North Central	22.54	22.53	0.0%	22.53	22.51	NM	NM
Iowa	W	W	W	23.04	22.91	W	W
Kansas	22.87	22.20	3.0%	22.87	22.20	--	--
Minnesota	W	W	W	23.94	23.48	W	W
Missouri	W	W	W	20.69	21.61	W	W
Nebraska	23.12	22.77	1.5%	23.12	22.77	--	--
North Dakota	23.90	23.44	2.0%	23.90	23.44	--	--
South Dakota	W	W	W	22.07	23.29	W	W
South Atlantic	21.47	19.11	12.0%	21.44	18.88	NM	20.94
Delaware	W	W	W	NM	NM	W	W
District of Columbia	W	W	W	--	--	W	W
Florida	19.65	18.52	6.1%	20.25	18.49	NM	NM
Georgia	24.22	22.72	6.6%	24.23	22.74	23.93	NM
Maryland	22.44	21.30	5.4%	NM	NM	22.47	21.31
North Carolina	23.06	21.95	5.1%	23.09	22.01	NM	NM
South Carolina	21.36	21.34	0.1%	21.36	21.34	--	--
Virginia	20.52	17.69	16.0%	19.00	17.17	23.35	22.15
West Virginia	W	W	W	23.34	23.12	W	W
East South Central	W	W	W	22.63	21.39	W	W
Alabama	W	W	W	22.85	22.05	W	W
Kentucky	22.91	22.93	-0.1%	22.91	22.93	--	--
Mississippi	22.24	NM	NM	22.24	NM	--	--
Tennessee	22.07	21.55	2.4%	22.07	21.55	--	--
West South Central	22.71	21.18	7.2%	22.86	19.96	22.59	22.39
Arkansas	W	W	W	22.99	21.73	W	W
Louisiana	W	W	W	22.37	14.49	W	W
Oklahoma	22.72	NM	NM	22.72	NM	--	--
Texas	W	W	W	22.97	22.00	W	W
Mountain	23.33	23.30	0.1%	23.74	23.50	20.18	21.74
Arizona	23.51	23.18	1.4%	23.51	23.18	--	--
Colorado	W	22.96	W	22.28	22.96	W	--
Idaho	NM	NM	NM	NM	NM	--	--
Montana	18.29	20.92	-13.0%	21.34	20.48	17.56	21.02
Nevada	W	W	W	25.21	23.94	W	W
New Mexico	W	W	W	25.53	25.16	W	W
Utah	W	W	W	23.48	23.47	W	W
Wyoming	22.38	23.65	-5.4%	22.38	23.65	--	--
Pacific Contiguous	W	23.52	W	24.62	24.10	W	NM
California	W	W	W	25.01	23.74	W	W
Oregon	22.79	23.73	-4.0%	22.79	23.73	--	--
Washington	W	W	W	24.72	27.02	W	W
Pacific Noncontiguous	W	W	W	22.24	20.70	W	W
Alaska	23.47	22.95	2.3%	23.47	22.95	--	--
Hawaii	W	W	W	22.05	20.42	W	W
U.S. Total	22.23	20.30	9.5%	22.22	20.30	22.26	20.30

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

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, December 2012 and 2011

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 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	NM	5.42	W	W
Illinois	--	--	--	--	--	--	--
Indiana	NM	5.42	NM	NM	5.42	--	--
Michigan	W	W	W	--	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.43	2.29	6.1%	2.43	2.29	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.43	2.29	6.1%	2.43	2.29	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.84	0.51	261.0%	1.84	0.51	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.84	0.51	261.0%	1.84	0.51	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.93	2.14	-9.8%	1.93	2.14	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.93	2.14	-9.8%	1.93	2.14	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	W	W	W	--	--	W	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	W	2.69	W	--	--	W	2.69
California	W	2.69	W	--	--	W	2.69
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	2.05	2.34	W	W

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

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	3.71	4.01	W	W
Illinois	--	--	--	--	--	--	--
Indiana	4.40	4.87	-9.7%	4.40	4.87	--	--
Michigan	W	W	W	--	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.69	1.64	3.0%	1.69	1.64	--	--
West North Central	NM	1.63	NM	NM	1.63	--	--
Iowa	NM	1.60	NM	NM	1.60	--	--
Kansas	--	1.76	--	--	1.76	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.58	3.82	-32.0%	2.58	3.82	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.58	3.82	-32.0%	2.58	3.82	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.83	0.53	245.0%	1.83	0.53	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.83	0.53	245.0%	1.83	0.53	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	W	W	W	1.99	3.08	W	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.99	3.08	-35.0%	1.99	3.08	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	W	W	W	--	--	W	W
Mountain	W	W	W	--	--	W	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	W	2.88	W	--	--	W	2.88
California	W	2.88	W	--	--	W	2.88
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.46	2.95	-17.0%	2.20	3.08	3.14	2.54

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, December 2012 and 2011

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2012	December 2011	Percentage Change	December 2012	December 2011	December 2012	December 2011
New England	5.46	4.14	32.0%	5.45	NM	5.46	4.13
Connecticut	5.61	4.11	36.0%	NM	NM	5.61	4.11
Maine	W	W	W	--	--	W	W
Massachusetts	5.46	3.97	38.0%	5.83	5.38	5.45	3.96
New Hampshire	W	W	W	12.00	11.30	W	W
Rhode Island	5.87	4.26	38.0%	--	--	5.87	4.26
Vermont	5.06	4.21	20.0%	5.06	4.21	--	--
Middle Atlantic	4.58	4.37	4.8%	5.28	5.04	4.47	4.28
New Jersey	4.63	4.40	5.2%	--	--	4.63	4.40
New York	4.99	4.76	4.8%	5.28	5.04	4.86	4.65
Pennsylvania	4.10	3.90	5.1%	NM	NM	4.10	3.90
East North Central	4.07	3.80	7.1%	4.29	3.90	3.94	3.73
Illinois	W	W	W	5.60	3.78	W	W
Indiana	W	W	W	3.95	3.69	W	W
Michigan	4.98	4.08	22.0%	7.02	4.70	4.42	3.89
Ohio	3.78	3.49	8.3%	3.82	3.30	3.76	3.54
Wisconsin	4.01	4.13	-2.9%	4.22	4.23	3.73	4.00
West North Central	4.15	5.02	-17.0%	4.13	4.96	4.40	5.56
Iowa	3.94	W	W	3.94	7.91	--	W
Kansas	4.58	4.41	3.9%	4.58	4.41	--	--
Minnesota	W	W	W	4.00	5.40	W	W
Missouri	W	W	W	4.21	4.14	W	W
Nebraska	10.51	9.92	5.9%	10.51	9.92	--	--
North Dakota	--	7.16	--	--	7.16	--	--
South Dakota	NM	7.90	NM	NM	7.90	--	--
South Atlantic	4.71	4.86	-3.1%	4.88	5.05	3.99	4.12
Delaware	W	W	W	NM	NM	W	W
District of Columbia	--	NM	--	--	NM	--	--
Florida	5.09	5.44	-6.4%	5.24	5.50	3.64	4.70
Georgia	4.01	3.85	4.2%	3.97	3.68	4.10	4.02
Maryland	4.48	4.48	0.0%	--	--	4.48	4.48
North Carolina	W	W	W	5.18	5.15	W	W
South Carolina	W	W	W	4.24	3.43	W	W
Virginia	3.86	3.78	2.1%	4.00	3.85	3.62	3.70
West Virginia	3.16	4.64	-32.0%	3.71	3.86	2.99	4.94
East South Central	3.75	3.59	4.5%	3.71	3.66	3.81	3.51
Alabama	3.82	W	W	3.74	3.61	3.85	W
Kentucky	W	W	W	6.67	7.82	W	W
Mississippi	W	W	W	3.59	3.47	W	W
Tennessee	3.60	4.47	-19.0%	3.60	4.47	--	--
West South Central	3.69	3.51	5.1%	3.84	3.61	3.62	3.46
Arkansas	3.85	W	W	5.16	3.70	3.76	W
Louisiana	3.80	W	W	3.72	3.56	4.00	W
Oklahoma	3.83	3.72	3.0%	3.86	3.78	3.72	3.51
Texas	3.64	3.48	4.6%	3.91	3.53	3.58	3.47
Mountain	4.31	4.11	4.9%	4.49	4.22	3.99	3.88
Arizona	4.41	4.40	0.2%	5.21	4.88	3.58	3.80
Colorado	4.79	4.08	17.0%	5.07	4.06	4.45	4.18
Idaho	W	W	W	7.11	6.52	W	W
Montana	W	W	W	NM	3.56	W	W
Nevada	4.24	4.12	2.9%	4.34	4.20	3.98	3.89
New Mexico	W	W	W	4.06	4.01	W	W
Utah	W	W	W	3.94	3.65	W	W
Wyoming	W	W	W	NM	6.00	W	W
Pacific Contiguous	4.21	4.10	2.7%	4.64	4.34	3.98	3.94
California	4.19	4.12	1.7%	4.53	4.33	4.01	4.00
Oregon	W	3.51	W	4.04	3.57	W	3.47
Washington	W	4.86	W	6.19	4.98	W	4.45
Pacific Noncontiguous	4.08	4.90	-17.0%	4.08	4.90	--	--
Alaska	4.08	4.90	-17.0%	4.08	4.90	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.26	4.10	3.9%	4.47	4.40	4.09	3.86

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

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

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

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	December 2012 YTD	December 2011 YTD	Percentage Change	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	3.67	4.94	-26.0%	4.47	5.70	3.66	4.93
Connecticut	3.79	4.97	-24.0%	3.55	NM	3.79	4.96
Maine	W	W	W	--	--	W	W
Massachusetts	3.55	4.88	-27.0%	4.46	5.75	3.53	4.87
New Hampshire	W	W	W	5.54	6.01	W	W
Rhode Island	3.86	5.01	-23.0%	--	--	3.86	5.01
Vermont	4.06	5.22	-22.0%	4.06	5.22	--	--
Middle Atlantic	3.52	5.14	-32.0%	3.74	5.32	3.49	5.11
New Jersey	3.51	5.11	-31.0%	--	--	3.51	5.11
New York	3.78	5.45	-31.0%	3.74	5.32	3.80	5.50
Pennsylvania	3.18	4.73	-33.0%	NM	NM	3.18	4.73
East North Central	3.11	4.62	-33.0%	3.13	4.69	3.11	4.58
Illinois	3.21	4.86	-34.0%	3.24	5.15	3.21	4.78
Indiana	3.06	4.48	-32.0%	3.01	4.42	3.20	4.59
Michigan	3.17	4.69	-32.0%	3.20	4.85	3.17	4.64
Ohio	3.00	4.44	-32.0%	3.00	4.49	2.99	4.42
Wisconsin	3.20	4.85	-34.0%	3.37	5.20	2.99	4.51
West North Central	3.47	5.18	-33.0%	3.51	5.17	3.18	5.22
Iowa	W	W	W	3.72	5.44	W	W
Kansas	3.17	4.70	-33.0%	3.17	4.70	--	--
Minnesota	W	W	W	3.69	5.88	W	W
Missouri	W	W	W	3.43	4.97	W	W
Nebraska	3.80	5.70	-33.0%	3.80	5.70	--	--
North Dakota	NM	7.80	NM	NM	7.80	--	--
South Dakota	3.41	5.00	-32.0%	3.41	5.00	--	--
South Atlantic	4.16	5.45	-24.0%	4.42	5.57	3.25	5.00
Delaware	W	W	W	3.19	NM	W	W
District of Columbia	3.09	NM	NM	3.09	NM	--	--
Florida	4.67	5.79	-19.0%	4.82	5.84	3.19	5.32
Georgia	3.34	4.64	-28.0%	3.38	4.51	3.28	4.76
Maryland	3.19	W	W	--	--	3.19	W
North Carolina	W	W	W	4.34	5.86	W	W
South Carolina	W	4.33	W	3.62	4.26	W	4.78
Virginia	3.27	4.94	-34.0%	3.32	4.89	3.20	5.00
West Virginia	3.24	4.74	-32.0%	3.20	4.79	3.25	4.73
East South Central	3.02	4.34	-30.0%	3.00	4.40	3.04	4.26
Alabama	3.11	4.28	-27.0%	3.17	4.37	3.08	4.24
Kentucky	3.45	5.86	-41.0%	3.51	6.00	2.99	4.63
Mississippi	2.89	4.29	-33.0%	2.90	4.28	2.85	4.36
Tennessee	2.87	4.61	-38.0%	2.87	4.61	--	--
West South Central	2.94	4.31	-32.0%	3.01	4.39	2.90	4.27
Arkansas	3.12	4.64	-33.0%	3.76	5.61	2.96	4.34
Louisiana	2.94	4.31	-32.0%	2.98	4.35	2.84	4.16
Oklahoma	2.96	4.42	-33.0%	3.03	4.45	2.76	4.32
Texas	2.93	4.27	-31.0%	2.96	4.30	2.92	4.27
Mountain	3.44	4.82	-29.0%	3.52	4.97	3.32	4.56
Arizona	3.42	4.94	-31.0%	3.69	5.52	3.17	4.46
Colorado	3.93	4.82	-18.0%	3.99	4.82	3.86	4.84
Idaho	W	W	W	4.05	6.74	W	W
Montana	W	W	W	3.35	4.15	W	W
Nevada	3.38	4.87	-31.0%	3.41	4.96	3.29	4.65
New Mexico	W	W	W	3.39	4.84	W	W
Utah	W	W	W	2.98	4.19	W	W
Wyoming	W	W	W	3.71	6.91	W	W
Pacific Contiguous	3.52	4.61	-24.0%	3.82	4.87	3.35	4.46
California	3.54	4.61	-23.0%	3.85	4.86	3.39	4.48
Oregon	W	W	W	3.09	4.04	W	W
Washington	W	W	W	4.20	5.52	W	W
Pacific Noncontiguous	4.13	5.00	-17.0%	4.13	5.00	--	--
Alaska	4.13	5.00	-17.0%	4.13	5.00	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.45	4.79	-28.0%	3.72	5.00	3.22	4.62

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See Technical Notes for a discussion of the sample design for the Form EIA-923.
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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, December 2012

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	187	1.40	9.6	14	0.09	2.0	--	--	--
Connecticut	--	--	--	14	0.09	2.0	--	--	--
Maine	6	0.76	6.8	--	--	--	--	--	--
Massachusetts	126	0.88	10.7	--	--	--	--	--	--
New Hampshire	56	2.57	7.6	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,106	2.96	10.7	112	0.27	5.4	--	--	--
New Jersey	70	1.73	8.2	--	--	--	--	--	--
New York	229	2.86	8.7	92	0.27	5.3	--	--	--
Pennsylvania	2,807	3.00	10.9	NM	NM	NM	--	--	--
East North Central	6,710	2.91	10.1	7,705	0.24	4.9	--	--	--
Illinois	862	3.26	18.4	3,862	0.23	4.8	--	--	--
Indiana	2,642	2.71	8.8	560	0.26	5.2	--	--	--
Michigan	245	1.59	7.8	1,460	0.25	5.1	--	--	--
Ohio	2,907	3.13	9.4	49	0.23	5.9	--	--	--
Wisconsin	55	2.17	8.4	1,774	0.25	5.0	--	--	--
West North Central	174	3.21	8.8	9,783	0.28	5.0	1,879	0.79	10.7
Iowa	61	3.50	8.0	2,007	0.29	4.8	--	--	--
Kansas	17	2.95	12.6	1,261	0.31	4.9	--	--	--
Minnesota	NM	NM	NM	1,324	0.33	5.6	--	--	--
Missouri	89	3.14	8.5	3,642	0.24	4.9	--	--	--
Nebraska	--	--	--	1,253	0.26	4.8	--	--	--
North Dakota	--	--	--	NM	NM	NM	1,879	0.79	10.7
South Dakota	--	--	--	212	0.38	5.6	--	--	--
South Atlantic	9,214	2.01	10.6	1,226	0.29	4.7	--	--	--
Delaware	91	2.19	7.7	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,584	2.47	9.1	--	--	--	--	--	--
Georgia	721	1.16	9.5	1,181	0.30	4.7	--	--	--
Maryland	816	1.75	9.6	45	0.22	4.6	--	--	--
North Carolina	1,665	1.41	11.1	--	--	--	--	--	--
South Carolina	936	1.73	8.9	--	--	--	--	--	--
Virginia	757	1.09	15.0	--	--	--	--	--	--
West Virginia	2,645	2.76	11.4	--	--	--	--	--	--
East South Central	5,404	2.41	9.5	2,148	0.28	5.3	353	0.53	15.2
Alabama	827	1.77	9.2	1,013	0.27	5.3	--	--	--
Kentucky	3,098	2.83	10.1	250	0.25	5.4	--	--	--
Mississippi	265	1.82	8.9	--	--	--	353	0.53	15.2
Tennessee	1,215	1.96	8.4	884	0.29	5.3	--	--	--
West South Central	39	2.46	14.9	8,705	0.29	5.1	4,174	0.98	16.3
Arkansas	NM	NM	NM	1,541	0.27	5.0	--	--	--
Louisiana	20	3.19	8.6	720	0.30	5.1	345	0.63	16.2
Oklahoma	10	0.76	36.4	1,572	0.28	5.0	--	--	--
Texas	--	--	--	4,871	0.30	5.1	3,829	1.02	16.3
Mountain	2,563	0.62	14.1	6,482	0.52	9.3	NM	NM	NM
Arizona	680	0.62	10.6	1,109	0.56	8.9	--	--	--
Colorado	323	0.46	9.1	1,265	0.33	6.0	--	--	--
Idaho	NM	NM	NM	NM	NM	NM	--	--	--
Montana	--	--	--	861	0.70	9.1	NM	NM	NM
Nevada	11	0.37	13.1	62	0.28	5.1	--	--	--
New Mexico	598	0.69	26.4	740	0.74	21.9	--	--	--
Utah	907	0.57	11.9	52	1.14	8.6	--	--	--
Wyoming	37	2.29	10.8	2,389	0.46	7.6	--	--	--
Pacific Contiguous	105	0.77	11.5	620	0.36	6.6	--	--	--
California	105	0.77	11.5	--	--	--	--	--	--
Oregon	--	--	--	263	0.37	4.8	--	--	--
Washington	--	--	--	357	0.35	8.0	--	--	--
Pacific Noncontiguous	66	0.75	9.4	87	0.31	5.8	--	--	--
Alaska	--	--	--	87	0.31	5.8	--	--	--
Hawaii	66	0.75	9.4	--	--	--	--	--	--
U.S. Total	27,569	2.29	10.6	36,881	0.32	5.8	6,434	0.91	14.6

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

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

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	56	2.57	7.6	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--
New Hampshire	56	2.57	7.6	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	NM	NM	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	NM	NM	NM	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
East North Central	5,271	2.91	9.1	3,917	0.25	5.1	--	--	--
Illinois	199	3.18	12.4	296	0.24	4.9	--	--	--
Indiana	2,402	2.67	8.5	437	0.26	5.2	--	--	--
Michigan	207	1.67	7.8	1,432	0.25	5.1	--	--	--
Ohio	2,456	3.22	9.5	--	--	--	--	--	--
Wisconsin	NM	NM	NM	1,752	0.25	5.0	--	--	--
West North Central	91	3.06	9.2	9,428	0.28	5.0	1,879	0.79	10.7
Iowa	NM	NM	NM	1,816	0.29	4.8	--	--	--
Kansas	17	2.95	12.6	1,261	0.31	4.9	--	--	--
Minnesota	NM	NM	NM	1,235	0.33	5.6	--	--	--
Missouri	68	3.10	8.4	3,642	0.24	4.9	--	--	--
Nebraska	--	--	--	1,200	0.26	4.8	--	--	--
North Dakota	--	--	--	NM	NM	NM	1,879	0.79	10.7
South Dakota	--	--	--	212	0.38	5.6	--	--	--
South Atlantic	6,723	1.86	10.6	1,181	0.30	4.7	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	1,561	2.47	9.1	--	--	--	--	--	--
Georgia	680	1.16	9.5	1,181	0.30	4.7	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
North Carolina	1,554	1.41	11.1	--	--	--	--	--	--
South Carolina	907	1.75	8.9	--	--	--	--	--	--
Virginia	537	1.08	16.4	--	--	--	--	--	--
West Virginia	1,484	2.37	11.2	--	--	--	--	--	--
East South Central	5,145	2.46	9.6	2,148	0.28	5.3	--	--	--
Alabama	795	1.78	9.2	1,013	0.27	5.3	--	--	--
Kentucky	3,098	2.83	10.1	250	0.25	5.4	--	--	--
Mississippi	182	1.34	9.2	--	--	--	--	--	--
Tennessee	1,070	2.10	8.5	884	0.29	5.3	--	--	--
West South Central	18	3.19	8.6	5,789	0.28	5.0	889	1.28	19.6
Arkansas	--	--	--	1,278	0.27	5.0	--	--	--
Louisiana	18	3.19	8.6	358	0.31	5.4	345	0.63	16.2
Oklahoma	--	--	--	1,434	0.28	5.0	--	--	--
Texas	--	--	--	2,719	0.28	5.0	544	1.77	22.1
Mountain	2,497	0.59	14.2	5,427	0.49	9.4	NM	NM	NM
Arizona	680	0.62	10.6	1,080	0.56	8.9	--	--	--
Colorado	306	0.46	9.1	1,265	0.33	6.0	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	NM	NM	NM
Nevada	11	0.37	13.1	--	--	--	--	--	--
New Mexico	598	0.69	26.4	740	0.74	21.9	--	--	--
Utah	901	0.57	11.9	52	1.14	8.6	--	--	--
Wyoming	--	--	--	2,291	0.46	7.6	--	--	--
Pacific Contiguous	--	--	--	263	0.37	4.8	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	263	0.37	4.8	--	--	--
Washington	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	NM	NM	NM	--	--	--
Alaska	--	--	--	NM	NM	NM	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	19,803	2.16	10.3	28,163	0.32	5.9	2,792	0.94	13.4

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

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

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	126	0.88	10.6	14	0.09	2.0	--	--	--
Connecticut	--	--	--	14	0.09	2.0	--	--	--
Maine	4	0.85	6.8	--	--	--	--	--	--
Massachusetts	122	0.88	10.7	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,028	2.98	10.7	92	0.27	5.3	--	--	--
New Jersey	70	1.73	8.2	--	--	--	--	--	--
New York	194	3.11	8.4	92	0.27	5.3	--	--	--
Pennsylvania	2,764	3.01	10.9	--	--	--	--	--	--
East North Central	1,099	2.97	14.9	3,701	0.22	4.8	--	--	--
Illinois	457	3.37	24.7	3,518	0.22	4.8	--	--	--
Indiana	215	3.18	11.7	NM	NM	NM	--	--	--
Michigan	19	1.08	8.4	12	0.22	4.7	--	--	--
Ohio	407	2.63	8.9	49	0.23	5.9	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	2,184	2.50	10.6	45	0.22	4.6	--	--	--
Delaware	91	2.19	7.7	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	NM	NM	NM	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Maryland	781	1.74	9.2	45	0.22	4.6	--	--	--
North Carolina	73	1.40	11.2	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
Virginia	121	0.82	11.0	--	--	--	--	--	--
West Virginia	1,117	3.35	11.7	--	--	--	--	--	--
East South Central	86	2.87	8.3	--	--	--	353	0.53	15.2
Alabama	NM	NM	NM	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	82	2.92	8.2	--	--	--	353	0.53	15.2
Tennessee	--	--	--	--	--	--	--	--	--
West South Central	10	0.76	36.4	2,874	0.32	5.2	3,264	0.91	15.5
Arkansas	--	--	--	263	0.28	5.2	--	--	--
Louisiana	--	--	--	362	0.30	4.8	--	--	--
Oklahoma	10	0.76	36.4	97	0.25	4.9	--	--	--
Texas	--	--	--	2,152	0.33	5.2	3,264	0.91	15.5
Mountain	NM	NM	NM	967	0.66	8.8	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Colorado	NM	NM	NM	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	861	0.70	9.1	--	--	--
Nevada	--	--	--	62	0.28	5.1	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	NM	NM	NM	--	--	--
Pacific Contiguous	50	1.09	12.6	347	0.35	8.1	--	--	--
California	50	1.09	12.6	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	347	0.35	8.1	--	--	--
Pacific Noncontiguous	59	0.75	9.4	NM	NM	NM	--	--	--
Alaska	--	--	--	NM	NM	NM	--	--	--
Hawaii	59	0.75	9.4	--	--	--	--	--	--
U.S. Total	6,659	2.74	11.2	8,061	0.31	5.5	3,617	0.88	15.4

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

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

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

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

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	NM	NM	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	NM	NM	NM	--	--	--	--	--	--
Pennsylvania	NM	NM	NM	--	--	--	--	--	--
East North Central	36	2.81	9.7	--	--	--	--	--	--
Illinois	12	3.13	11.6	--	--	--	--	--	--
Indiana	NM	NM	NM	--	--	--	--	--	--
Michigan	2	2.89	8.7	--	--	--	--	--	--
Ohio	NM	NM	NM	--	--	--	--	--	--
Wisconsin	NM	NM	NM	--	--	--	--	--	--
West North Central	27	3.45	8.4	NM	NM	NM	--	--	--
Iowa	NM	NM	NM	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	NM	NM	NM	--	--	--
Missouri	12	3.38	9.0	--	--	--	--	--	--
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	--	--	--	57	0.31	5.8	--	--	--
Alaska	--	--	--	57	0.31	5.8	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	76	2.85	9.6	59	0.31	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.
W = Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	NM	NM	NM	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	2	0.62	6.9	--	--	--	--	--	--
Massachusetts	NM	NM	NM	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	75	2.19	11.2	NM	NM	NM	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	33	1.46	10.5	--	--	--	--	--	--
Pennsylvania	42	2.80	11.7	NM	NM	NM	--	--	--
East North Central	305	2.85	11.4	86	0.51	5.9	--	--	--
Illinois	194	3.12	12.7	49	0.71	6.5	--	--	--
Indiana	NM	NM	NM	--	--	--	--	--	--
Michigan	17	0.96	7.2	NM	NM	NM	--	--	--
Ohio	43	3.08	11.0	--	--	--	--	--	--
Wisconsin	43	2.22	8.3	22	0.27	5.1	--	--	--
West North Central	56	3.32	8.3	353	0.28	5.0	--	--	--
Iowa	41	3.50	8.0	191	0.26	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	299	1.50	12.4	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	NM	NM	NM	--	--	--	--	--	--
Georgia	41	1.12	9.9	--	--	--	--	--	--
Maryland	34	1.84	22.2	--	--	--	--	--	--
North Carolina	34	1.40	11.2	--	--	--	--	--	--
South Carolina	29	1.01	8.6	--	--	--	--	--	--
Virginia	95	1.54	13.2	--	--	--	--	--	--
West Virginia	44	1.46	11.4	--	--	--	--	--	--
East South Central	170	1.04	8.0	--	--	--	--	--	--
Alabama	29	1.50	9.0	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee	141	0.95	7.9	--	--	--	--	--	--
West South Central	NM	NM	NM	NM	NM	NM	NM	NM	NM
Arkansas	NM	NM	NM	--	--	--	--	--	--
Louisiana	NM	NM	NM	--	--	--	NM	NM	NM
Oklahoma	--	--	--	NM	NM	NM	--	--	--
Texas	--	--	--	--	--	--	NM	NM	NM
Mountain	49	2.04	10.5	87	0.48	7.9	NM	NM	NM
Arizona	--	--	--	NM	NM	NM	--	--	--
Colorado	--	--	--	--	--	--	--	--	--
Idaho	NM	NM	NM	NM	NM	NM	--	--	--
Montana	--	--	--	--	--	--	NM	NM	NM
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah	7	0.37	8.1	--	--	--	--	--	--
Wyoming	37	2.29	10.8	NM	NM	NM	--	--	--
Pacific Contiguous	55	0.49	10.4	10	0.30	3.6	--	--	--
California	55	0.49	10.4	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington	--	--	--	10	0.30	3.6	--	--	--
Pacific Noncontiguous	NM	NM	NM	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	NM	NM	NM	--	--	--	--	--	--
U.S. Total	1,032	1.92	10.8	598	0.35	5.5	NM	NM	NM

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

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

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

Table 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - December 2012 (Million Kilowatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	1,275,824	1,198,728	1,012,373	6,810	3,493,734
2004	1,291,982	1,230,425	1,017,850	7,224	3,547,479
2005	1,359,227	1,275,079	1,019,156	7,506	3,660,969
2006	1,351,520	1,299,744	1,011,298	7,358	3,669,919
2007	1,392,241	1,336,315	1,027,832	8,173	3,764,561
2008	1,379,981	1,335,981	1,009,300	7,700	3,732,962
2009	1,364,474	1,307,168	917,442	7,781	3,596,865
2010	1,445,708	1,330,199	970,873	7,712	3,754,493
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,594	1,323,844	980,837	7,504	3,686,780
2010					
January	147,500	108,120	75,506	715	331,841
February	122,840	100,747	74,164	689	298,440
March	111,790	101,756	78,303	656	292,505
April	88,046	99,791	78,597	600	267,034
May	94,843	106,176	82,088	606	283,712
June	127,496	119,388	83,347	658	330,889
July	154,688	127,925	85,725	667	369,006
August	154,053	129,143	87,904	628	371,728
Sept	124,582	119,137	83,353	639	327,711
October	96,688	108,461	82,046	615	287,811
November	93,166	101,524	79,575	607	274,871
December	130,015	108,031	80,264	633	318,943
2011					
January	145,054	108,243	80,077	710	334,084
February	120,121	99,789	76,332	637	296,879
March	104,921	104,263	82,196	664	292,044
April	93,700	100,505	80,356	629	275,190
May	97,688	107,624	82,095	619	288,026
June	125,983	118,169	83,941	643	328,736
July	154,729	128,063	87,245	650	370,686
August	153,739	129,371	89,014	625	372,749
Sept	122,720	117,951	84,959	634	326,263
October	94,585	108,655	84,287	616	288,144
November	93,220	100,552	80,858	590	275,220
December	116,341	104,873	79,956	656	301,826
2012					
January	126,208	105,118	78,821	666	310,813
February	107,951	99,682	77,898	646	286,177
March	99,153	101,930	80,911	619	282,613
April	88,300	100,839	80,604	604	270,348
May	100,478	110,062	84,273	606	295,420
June	122,992	117,651	83,202	610	324,455
July	154,649	128,157	86,762	642	370,210
August	147,991	127,713	87,629	650	363,984
Sept	119,201	116,483	81,560	628	317,873
October	96,707	110,111	82,600	619	290,037
November	97,174	102,546	78,877	580	279,178
December	113,791	103,551	77,698	632	295,673
Year to Date					
2010	1,445,708	1,330,199	970,873	7,712	3,754,493
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,594	1,323,844	980,837	7,504	3,686,780
Rolling 12 Months Ending in December					
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,594	1,323,844	980,837	7,504	3,686,780

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2011 and prior years are final. Values for 2012 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report.

Table 5.2. Revenue from Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - December 2012 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	111,249	96,263	51,741	514	259,767
2004	115,577	100,546	53,477	519	270,119
2005	128,393	110,522	58,445	643	298,003
2006	140,582	122,914	62,308	702	326,506
2007	148,295	128,903	65,712	792	343,703
2008	155,433	138,469	68,920	827	363,650
2009	157,008	132,940	62,504	828	353,280
2010	166,782	135,559	65,750	815	368,906
2011	166,714	135,926	67,606	803	371,049
2012	163,352	133,908	65,691	754	363,705
2010					
January	15,476	10,328	4,910	73	30,787
February	13,375	9,960	4,861	72	28,268
March	12,415	10,126	5,114	67	27,722
April	10,309	9,934	5,147	63	25,453
May	11,296	10,776	5,453	64	27,589
June	15,189	12,605	5,805	73	33,673
July	18,620	13,713	6,196	73	38,601
August	18,529	13,714	6,344	68	38,656
Sept	14,890	12,533	5,831	67	33,321
October	11,471	11,118	5,576	65	28,230
November	10,828	10,144	5,219	64	26,254
December	14,384	10,608	5,295	66	30,353
2011					
January	15,770	10,590	5,228	73	31,662
February	13,286	9,968	5,058	67	28,380
March	12,090	10,354	5,369	68	27,881
April	10,936	10,015	5,243	63	26,257
May	11,656	10,962	5,481	66	28,166
June	15,079	12,592	5,993	71	33,736
July	18,709	13,661	6,381	73	38,824
August	18,582	13,874	6,583	68	39,107
Sept	14,934	12,494	6,076	68	33,572
October	11,427	11,142	5,706	63	28,338
November	10,982	10,034	5,281	59	26,355
December	13,262	10,241	5,205	64	28,772
2012					
January	14,371	10,332	5,089	65	29,857
February	12,431	9,931	5,051	62	27,475
March	11,625	10,071	5,247	61	27,004
April	10,517	9,915	5,158	61	25,651
May	11,999	11,018	5,523	59	28,599
June	14,869	12,254	5,754	62	32,939
July	18,564	13,349	6,202	68	38,183
August	18,014	13,318	6,227	67	37,625
Sept	14,696	12,294	5,718	65	32,774
October	11,633	11,132	5,490	61	28,317
November	11,411	10,128	5,150	60	26,749
December	13,220	10,165	5,081	64	28,531
Year to Date					
2010	166,782	135,559	65,750	815	368,906
2011	166,714	135,926	67,606	803	371,049
2012	163,352	133,908	65,691	754	363,705
Rolling 12 Months Ending in December					
2011	166,714	135,926	67,606	803	371,049
2012	163,352	133,908	65,691	754	363,705

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2011 and prior years are final. Values for 2012 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report.

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - December 2012 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	8.72	8.03	5.11	7.54	7.44
2004	8.95	8.17	5.25	7.18	7.61
2005	9.45	8.67	5.73	8.57	8.14
2006	10.40	9.46	6.16	9.54	8.90
2007	10.65	9.65	6.39	9.70	9.13
2008	11.26	10.36	6.83	10.74	9.74
2009	11.51	10.17	6.81	10.65	9.82
2010	11.54	10.19	6.77	10.57	9.83
2011	11.72	10.23	6.82	10.46	9.90
2012	11.88	10.12	6.70	10.05	9.87
2010					
January	10.49	9.55	6.50	10.17	9.28
February	10.89	9.89	6.55	10.48	9.47
March	11.11	9.95	6.53	10.28	9.48
April	11.71	9.95	6.55	10.52	9.53
May	11.91	10.15	6.64	10.52	9.72
June	11.91	10.56	6.96	11.14	10.18
July	12.04	10.72	7.23	10.95	10.46
August	12.03	10.62	7.22	10.86	10.40
Sept	11.95	10.52	7.00	10.53	10.17
October	11.86	10.25	6.80	10.49	9.81
November	11.62	9.99	6.56	10.47	9.55
December	11.06	9.82	6.60	10.39	9.52
2011					
January	10.87	9.78	6.53	10.29	9.48
February	11.06	9.99	6.63	10.55	9.56
March	11.52	9.93	6.53	10.24	9.55
April	11.67	9.96	6.53	9.97	9.54
May	11.93	10.19	6.68	10.70	9.78
June	11.97	10.66	7.14	11.01	10.26
July	12.09	10.67	7.31	11.21	10.47
August	12.09	10.72	7.40	10.82	10.49
Sept	12.17	10.59	7.15	10.80	10.29
October	12.08	10.25	6.77	10.25	9.83
November	11.78	9.98	6.53	9.93	9.58
December	11.40	9.77	6.51	9.79	9.53
2012					
January	11.39	9.83	6.46	9.69	9.61
February	11.52	9.96	6.48	9.55	9.60
March	11.72	9.88	6.48	9.83	9.56
April	11.91	9.83	6.40	10.02	9.49
May	11.94	10.01	6.55	9.76	9.68
June	12.09	10.42	6.92	10.22	10.15
July	12.00	10.42	7.15	10.57	10.31
August	12.17	10.43	7.11	10.29	10.34
Sept	12.33	10.55	7.01	10.39	10.31
October	12.03	10.11	6.65	9.88	9.76
November	11.74	9.88	6.53	10.30	9.58
December	11.62	9.82	6.54	10.14	9.65
Year to Date					
2010	11.54	10.19	6.77	10.57	9.83
2011	11.72	10.23	6.82	10.46	9.90
2012	11.88	10.12	6.70	10.05	9.87
Rolling 12 Months Ending in December					
2011	11.72	10.23	6.82	10.46	9.90
2012	11.88	10.12	6.70	10.05	9.87

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2011 and prior years are final. Values for 2012 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report.

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	4,190	4,018	3,623	3,670	2,227	2,200	49	46	10,088	9,934
Connecticut	1,117	1,068	1,044	1,024	270	280	15	13	2,446	2,385
Maine	430	403	331	336	235	235	--	--	997	975
Massachusetts	1,768	1,721	1,419	1,486	1,370	1,329	32	31	4,589	4,566
New Hampshire	396	361	370	347	160	154	--	--	926	863
Rhode Island	273	260	296	308	70	73	2	2	641	643
Vermont	206	204	162	170	121	129	--	--	489	502
Middle Atlantic	11,101	10,901	12,577	12,745	5,605	5,630	337	364	29,621	29,640
New Jersey	2,118	2,152	3,049	3,095	572	604	20	16	5,759	5,867
New York	4,155	4,054	6,018	6,083	1,140	1,075	240	253	11,553	11,465
Pennsylvania	4,828	4,694	3,509	3,567	3,894	3,951	77	96	12,309	12,308
East North Central	16,636	16,991	14,620	14,789	15,382	16,205	54	50	46,693	48,035
Illinois	3,757	3,865	4,084	4,103	3,612	3,709	49	44	11,501	11,721
Indiana	2,875	2,979	1,804	1,882	3,798	3,926	2	2	8,479	8,788
Michigan	3,079	3,208	3,193	3,061	2,238	2,557	*	1	8,510	8,827
Ohio	4,911	4,892	3,660	3,791	3,904	4,119	4	4	12,479	12,805
Wisconsin	2,014	2,048	1,880	1,952	1,831	1,894	--	--	5,725	5,894
West North Central	9,311	9,568	8,108	8,088	7,227	7,207	4	3	24,650	24,866
Iowa	1,297	1,378	1,002	1,034	1,559	1,616	--	--	3,859	4,029
Kansas	1,097	1,158	1,221	1,218	853	850	--	--	3,171	3,227
Minnesota	2,064	2,062	1,847	1,848	1,841	1,907	2	2	5,753	5,818
Missouri	3,016	3,087	2,418	2,425	1,435	1,401	2	2	6,871	6,915
Nebraska	867	957	744	748	882	832	--	--	2,492	2,538
North Dakota	536	489	493	438	450	387	--	--	1,479	1,314
South Dakota	433	437	384	375	208	213	--	--	1,025	1,025
South Atlantic	27,473	26,902	23,283	23,578	10,901	11,020	105	105	61,762	61,605
Delaware	385	344	326	326	200	217	--	--	912	886
District of Columbia	178	162	661	700	18	18	25	25	881	905
Florida	7,671	7,757	6,988	6,992	1,358	1,343	7	7	16,025	16,099
Georgia	4,275	4,277	3,516	3,564	2,446	2,474	13	14	10,249	10,328
Maryland	2,377	2,233	2,364	2,466	352	401	44	43	5,136	5,143
North Carolina	4,885	4,631	3,603	3,556	2,097	2,085	1	1	10,585	10,273
South Carolina	2,389	2,357	1,584	1,600	2,184	2,224	--	--	6,157	6,181
Virginia	4,134	3,990	3,635	3,728	1,296	1,323	15	16	9,080	9,056
West Virginia	1,180	1,151	606	647	951	936	*	*	2,737	2,734
East South Central	9,408	9,665	6,172	6,259	10,052	10,274	*	*	25,632	26,198
Alabama	2,528	2,600	1,655	1,662	2,714	2,747	--	--	6,898	7,008
Kentucky	2,295	2,335	1,423	1,414	3,763	3,881	--	--	7,480	7,630
Mississippi	1,346	1,400	979	1,009	1,375	1,340	--	--	3,701	3,749
Tennessee	3,239	3,330	2,115	2,174	2,199	2,307	*	*	7,553	7,811
West South Central	14,827	15,825	13,990	13,661	12,342	13,095	6	6	41,165	42,587
Arkansas	1,328	1,413	860	875	1,297	1,333	NM	*	3,485	3,620
Louisiana	2,099	2,206	1,796	1,795	2,450	2,527	1	1	6,346	6,529
Oklahoma	1,803	1,958	1,528	1,485	1,335	1,288	--	--	4,666	4,730
Texas	9,597	10,248	9,806	9,507	7,260	7,947	5	5	26,668	27,707
Mountain	7,575	8,194	7,413	7,595	6,576	6,576	10	9	21,574	22,374
Arizona	2,209	2,445	2,226	2,274	1,010	1,017	--	--	5,445	5,736
Colorado	1,566	1,646	1,603	1,637	1,256	1,241	5	5	4,430	4,529
Idaho	852	940	519	532	535	557	--	--	1,906	2,028
Montana	493	515	426	430	343	313	--	--	1,263	1,258
Nevada	815	865	728	712	1,065	1,107	1	1	2,610	2,684
New Mexico	572	653	721	759	611	588	--	--	1,904	1,999
Utah	799	832	857	875	876	819	4	3	2,536	2,530
Wyoming	269	298	332	378	879	933	--	--	1,481	1,609
Pacific Contiguous	12,802	13,809	13,233	13,965	6,952	7,330	68	70	33,055	35,175
California	7,160	7,745	9,296	9,955	3,693	4,043	66	67	20,215	21,810
Oregon	2,017	2,171	1,348	1,384	932	955	2	2	4,299	4,513
Washington	3,625	3,893	2,589	2,626	2,327	2,332	*	1	8,541	8,852
Pacific Noncontiguous	467	468	533	523	434	420	--	--	1,434	1,411
Alaska	235	227	260	258	127	120	--	--	622	605
Hawaii	232	241	272	265	307	300	--	--	812	806
U.S. Total	113,791	116,341	103,551	104,873	77,698	79,956	632	656	295,673	301,826

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
Notes: - See Glossary for definitions. - Values for 2011 are final. Values for 2012 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	46,988	47,481	44,415	45,018	27,645	27,927	567	569	119,615	120,995
Connecticut	12,731	12,919	12,948	13,087	3,554	3,668	191	185	29,425	29,859
Maine	4,478	4,382	4,053	4,018	3,021	3,016	--	--	11,552	11,415
Massachusetts	20,124	20,473	17,300	17,767	16,766	16,974	350	357	54,540	55,570
New Hampshire	4,448	4,454	4,487	4,478	1,957	1,936	--	--	10,891	10,869
Rhode Island	3,121	3,129	3,637	3,660	923	916	26	27	7,708	7,732
Vermont	2,085	2,125	1,991	2,009	1,423	1,417	--	--	5,499	5,550
Middle Atlantic	132,662	135,434	157,328	159,059	68,977	71,039	3,971	4,131	362,937	369,664
New Jersey	29,247	29,399	38,705	39,118	7,729	8,033	291	310	75,973	76,860
New York	50,700	51,240	75,746	76,406	13,275	13,420	2,805	2,981	142,525	144,047
Pennsylvania	52,715	54,796	42,878	43,536	47,972	49,585	875	840	144,439	148,757
East North Central	187,949	191,617	182,294	183,359	201,140	201,563	618	576	572,000	577,115
Illinois	46,656	47,057	50,406	50,468	44,923	44,844	557	516	142,542	142,886
Indiana	32,695	33,912	23,816	24,111	47,898	47,774	20	21	104,430	105,818
Michigan	34,400	34,811	38,367	38,613	31,305	31,624	7	5	104,079	105,054
Ohio	52,180	53,687	46,504	47,112	53,393	53,913	34	34	152,111	154,746
Wisconsin	22,019	22,150	23,201	23,055	23,619	23,407	--	--	68,839	68,612
West North Central	102,978	106,281	99,574	99,483	89,651	88,491	39	41	292,242	294,296
Iowa	14,012	14,327	12,156	12,088	19,617	19,240	--	--	45,785	45,655
Kansas	13,690	14,344	15,627	15,609	10,743	10,807	--	--	40,060	40,760
Minnesota	22,161	22,524	22,382	22,371	22,758	23,619	17	19	67,318	68,533
Missouri	34,404	35,941	30,389	30,962	17,707	17,330	22	22	82,521	84,255
Nebraska	9,732	9,947	9,219	9,139	11,161	10,590	--	--	30,111	29,676
North Dakota	4,485	4,552	5,064	4,866	5,041	4,319	--	--	14,590	13,737
South Dakota	4,494	4,646	4,738	4,447	2,625	2,586	--	--	11,858	11,680
South Atlantic	336,133	354,455	302,576	305,563	139,683	139,809	1,292	1,321	779,683	801,147
Delaware	4,567	4,632	4,279	4,260	2,761	2,591	--	--	11,606	11,483
District of Columbia	2,003	2,061	8,713	8,966	218	216	325	319	11,259	11,562
Florida	111,006	116,341	90,947	91,778	16,806	16,886	83	86	218,843	225,090
Georgia	54,175	57,750	46,149	46,930	31,197	31,521	157	171	131,678	136,371
Maryland	26,668	27,296	30,068	30,750	4,572	5,007	528	547	61,835	63,600
North Carolina	54,619	58,056	46,557	46,467	26,851	26,555	7	7	128,034	131,085
South Carolina	28,557	30,802	21,312	21,593	28,254	28,094	--	--	78,123	80,489
Virginia	43,345	45,771	46,788	47,051	17,168	17,218	188	188	107,490	110,228
West Virginia	11,193	11,746	7,763	7,768	11,855	11,720	4	4	30,815	31,239
East South Central	115,102	122,605	82,038	83,741	123,810	122,257	2	2	320,951	328,605
Alabama	30,847	33,003	21,843	22,257	33,833	33,735	--	--	86,523	88,995
Kentucky	26,081	27,198	18,368	18,721	44,753	43,619	--	--	89,202	89,538
Mississippi	18,078	19,336	13,656	13,738	16,710	16,263	--	--	48,444	49,338
Tennessee	40,095	43,068	28,171	29,025	28,514	28,638	2	2	96,782	100,733
West South Central	208,268	220,886	189,443	184,254	156,485	164,990	81	80	554,278	570,209
Arkansas	17,779	18,787	12,054	12,146	16,885	16,994	NM	*	46,718	47,928
Louisiana	29,975	32,019	24,199	24,281	30,434	30,058	11	11	84,619	86,369
Oklahoma	22,787	24,425	19,780	19,613	16,407	15,809	--	--	58,975	59,847
Texas	137,726	145,654	133,411	128,214	92,759	102,129	70	68	363,966	376,065
Mountain	95,075	94,775	93,712	93,413	82,157	80,414	99	93	271,043	268,697
Arizona	32,944	33,079	29,537	29,512	12,441	12,352	--	--	74,922	74,944
Colorado	18,355	18,277	19,813	19,889	15,550	15,242	52	50	53,769	53,458
Idaho	8,159	8,390	5,963	5,969	9,340	8,912	--	--	23,462	23,272
Montana	4,794	4,913	4,887	4,892	4,111	3,983	--	--	13,792	13,788
Nevada	12,120	11,493	9,311	8,995	13,712	13,420	8	8	35,152	33,916
New Mexico	6,807	6,874	9,210	9,258	7,289	6,910	--	--	23,306	23,042
Utah	9,180	8,947	10,771	10,544	9,696	9,333	38	35	29,685	28,859
Wyoming	2,718	2,803	4,218	4,353	10,019	10,262	--	--	16,955	17,418
Pacific Contiguous	144,552	144,204	166,358	167,944	86,249	89,832	835	859	397,993	402,838
California	90,220	88,398	121,180	122,781	46,481	49,936	803	827	258,684	261,942
Oregon	18,867	19,429	15,799	15,754	11,944	11,963	25	25	46,634	47,171
Washington	35,465	36,376	29,380	29,409	27,824	27,933	7	7	92,675	93,725
Pacific Noncontiguous	4,889	5,063	6,106	6,223	5,042	4,995	--	--	16,037	16,281
Alaska	2,149	2,134	2,868	2,854	1,380	1,331	--	--	6,398	6,320
Hawaii	2,739	2,929	3,238	3,368	3,662	3,665	--	--	9,639	9,962
U.S. Total	1,374,594	1,422,801	1,323,844	1,328,057	980,837	991,316	7,504	7,672	3,686,780	3,749,846

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
Notes: - See Glossary for definitions. - Values for 2011 are final. Values for 2012 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	666	648	513	522	267	274	3	3	1,450	1,447
Connecticut	191	194	151	157	34	37	1	1	377	390
Maine	63	62	39	42	21	19	--	--	123	122
Massachusetts	269	262	213	212	173	178	2	2	657	654
New Hampshire	63	60	50	48	19	19	--	--	132	127
Rhode Island	43	37	38	39	8	9	*	*	89	85
Vermont	37	33	22	24	12	13	--	--	71	70
Middle Atlantic	1,669	1,662	1,571	1,607	407	427	42	42	3,689	3,738
New Jersey	327	344	365	386	60	63	2	2	754	794
New York	730	700	873	878	67	78	33	31	1,704	1,687
Pennsylvania	612	618	332	344	280	286	7	8	1,231	1,257
East North Central	1,940	1,949	1,358	1,360	1,010	1,045	3	3	4,312	4,358
Illinois	397	431	317	334	202	231	3	3	919	998
Indiana	297	294	165	165	240	239	*	*	703	698
Michigan	434	427	347	312	187	187	*	*	968	927
Ohio	557	536	341	351	254	252	*	*	1,152	1,139
Wisconsin	256	262	188	199	127	136	--	--	570	596
West North Central	911	891	649	610	432	414	*	*	1,993	1,916
Iowa	132	133	76	74	80	76	--	--	289	284
Kansas	119	116	108	101	59	55	--	--	285	272
Minnesota	226	213	159	142	119	123	*	*	504	477
Missouri	270	268	178	173	76	74	*	*	524	515
Nebraska	79	81	60	57	54	49	--	--	193	186
North Dakota	45	41	38	34	30	24	--	--	113	99
South Dakota	41	40	30	28	13	13	--	--	84	81
South Atlantic	3,019	2,938	2,161	2,218	697	712	9	9	5,885	5,876
Delaware	50	46	34	33	17	17	--	--	102	97
District of Columbia	21	20	78	86	1	1	2	2	103	109
Florida	879	889	682	695	108	109	1	1	1,669	1,695
Georgia	433	437	324	343	138	153	1	1	896	934
Maryland	301	285	247	266	28	33	4	4	580	587
North Carolina	505	467	307	288	130	122	*	*	941	877
South Carolina	281	266	154	149	128	130	--	--	563	544
Virginia	436	418	285	305	86	87	1	1	808	812
West Virginia	114	109	50	53	60	60	*	*	223	222
East South Central	966	978	620	620	598	623	*	*	2,185	2,221
Alabama	275	283	174	178	163	171	--	--	613	631
Kentucky	215	215	125	119	195	204	--	--	534	539
Mississippi	138	141	93	97	83	85	--	--	314	322
Tennessee	339	339	229	227	157	163	*	*	724	728
West South Central	1,514	1,582	1,100	1,119	675	727	1	1	3,290	3,429
Arkansas	120	122	66	65	72	72	NM	*	259	260
Louisiana	178	180	147	143	124	127	*	*	449	451
Oklahoma	155	163	104	104	64	66	--	--	324	334
Texas	1,061	1,116	783	807	415	461	1	1	2,259	2,384
Mountain	783	807	644	633	377	364	1	1	1,805	1,805
Arizona	229	244	200	197	60	60	--	--	489	501
Colorado	172	177	146	147	84	83	1	*	402	408
Idaho	71	70	35	31	26	24	--	--	132	124
Montana	49	49	39	39	17	16	--	--	106	104
Nevada	96	96	65	61	56	57	*	*	218	214
New Mexico	61	69	67	67	35	32	--	--	163	168
Utah	78	74	64	61	46	41	*	*	188	177
Wyoming	27	27	27	30	53	52	--	--	107	109
Pacific Contiguous	1,626	1,679	1,419	1,424	505	511	5	5	3,555	3,620
California	1,120	1,145	1,108	1,111	360	361	5	5	2,594	2,623
Oregon	197	208	110	112	51	52	*	*	358	371
Washington	309	326	201	201	94	98	*	*	604	626
Pacific Noncontiguous	124	128	130	127	112	107	--	--	366	362
Alaska	40	41	38	38	21	18	--	--	99	97
Hawaii	84	87	92	89	91	89	--	--	268	266
U.S. Total	13,220	13,262	10,165	10,241	5,081	5,205	64	64	28,531	28,772

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
Notes: - See Glossary for definitions. - Values for 2011 are final. Values for 2012 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	7,400	7,546	6,113	6,441	3,328	3,504	39	45	16,880	17,536
Connecticut	2,209	2,339	1,903	2,038	454	486	19	19	4,584	4,882
Maine	659	674	469	494	238	268	--	--	1,366	1,436
Massachusetts	3,006	3,003	2,416	2,547	2,164	2,270	17	22	7,603	7,842
New Hampshire	716	736	601	629	231	238	--	--	1,549	1,602
Rhode Island	450	449	438	453	100	103	3	4	991	1,008
Vermont	361	346	285	281	142	139	--	--	787	766
Middle Atlantic	20,343	21,395	20,403	21,712	5,171	5,803	483	509	46,399	49,419
New Jersey	4,619	4,773	4,964	5,268	815	918	29	33	10,426	10,991
New York	8,967	9,357	11,421	12,079	886	1,051	385	401	21,658	22,889
Pennsylvania	6,757	7,265	4,018	4,365	3,471	3,834	69	75	14,315	15,540
East North Central	22,572	22,595	17,338	17,404	13,185	13,153	37	40	53,132	53,191
Illinois	5,304	5,545	4,129	4,361	2,656	2,879	32	35	12,120	12,821
Indiana	3,394	3,410	2,161	2,116	3,040	2,946	2	2	8,597	8,474
Michigan	4,866	4,621	4,200	3,989	2,421	2,315	1	*	11,488	10,926
Ohio	6,086	6,133	4,403	4,535	3,318	3,298	2	2	13,810	13,969
Wisconsin	2,922	2,885	2,446	2,403	1,750	1,715	--	--	7,118	7,003
West North Central	10,862	10,751	8,420	8,185	5,590	5,380	3	3	24,875	24,319
Iowa	1,520	1,499	972	949	1,046	1,003	--	--	3,538	3,451
Kansas	1,529	1,527	1,426	1,370	740	725	--	--	3,695	3,623
Minnesota	2,520	2,469	1,983	1,930	1,501	1,528	1	2	6,004	5,929
Missouri	3,465	3,503	2,481	2,491	1,035	1,013	2	2	6,983	7,008
Nebraska	975	927	774	730	760	681	--	--	2,510	2,338
North Dakota	405	391	404	370	336	269	--	--	1,145	1,030
South Dakota	448	435	380	345	172	160	--	--	1,001	940
South Atlantic	38,178	39,652	28,388	28,912	9,091	9,317	109	119	75,765	78,000
Delaware	619	635	433	453	230	231	--	--	1,282	1,319
District of Columbia	246	276	1,046	1,157	12	15	29	32	1,332	1,481
Florida	12,790	13,389	8,879	9,040	1,351	1,444	7	8	23,028	23,880
Georgia	5,957	6,384	4,369	4,631	1,837	2,080	12	14	12,175	13,109
Maryland	3,426	3,634	3,163	3,468	371	439	44	49	7,004	7,590
North Carolina	5,905	5,955	4,010	3,780	1,703	1,597	1	1	11,618	11,332
South Carolina	3,314	3,405	2,040	2,008	1,683	1,669	--	--	7,036	7,081
Virginia	4,819	4,871	3,796	3,743	1,153	1,118	16	15	9,784	9,748
West Virginia	1,102	1,103	653	632	750	724	*	*	2,506	2,460
East South Central	11,804	12,429	8,070	8,203	7,551	7,566	*	*	27,425	28,197
Alabama	3,489	3,661	2,312	2,331	2,097	2,107	--	--	7,897	8,100
Kentucky	2,434	2,503	1,590	1,589	2,395	2,326	--	--	6,419	6,418
Mississippi	1,843	1,966	1,268	1,302	1,029	1,062	--	--	4,139	4,331
Tennessee	4,039	4,298	2,900	2,980	2,031	2,070	*	*	8,970	9,348
West South Central	21,512	23,019	15,151	15,767	8,538	9,899	8	8	45,210	48,692
Arkansas	1,653	1,694	926	911	955	957	NM	*	3,534	3,562
Louisiana	2,506	2,870	1,886	2,050	1,444	1,711	1	1	5,837	6,632
Oklahoma	2,148	2,313	1,435	1,490	825	863	--	--	4,408	4,666
Texas	15,206	16,142	10,903	11,315	5,314	6,368	7	7	31,431	33,832
Mountain	10,366	10,012	8,420	8,275	5,076	4,892	10	9	23,871	23,189
Arizona	3,713	3,666	2,818	2,803	813	810	--	--	7,344	7,279
Colorado	2,090	2,059	1,851	1,878	1,079	1,076	5	5	5,024	5,018
Idaho	691	661	407	383	518	455	--	--	1,617	1,498
Montana	484	479	447	446	207	210	--	--	1,139	1,135
Nevada	1,433	1,334	825	814	886	892	1	1	3,144	3,041
New Mexico	775	756	857	840	425	419	--	--	2,056	2,015
Utah	913	802	868	775	545	476	4	3	2,329	2,057
Wyoming	268	255	347	336	604	555	--	--	1,219	1,146
Pacific Contiguous	18,910	17,924	20,054	19,506	6,803	6,842	66	70	45,832	44,342
California	14,029	13,061	16,481	16,018	4,989	5,046	63	67	35,562	34,193
Oregon	1,856	1,853	1,318	1,284	670	654	2	2	3,847	3,793
Washington	3,024	3,010	2,254	2,203	1,144	1,142	1	1	6,423	6,356
Pacific Noncontiguous	1,405	1,392	1,552	1,521	1,358	1,250	--	--	4,314	4,163
Alaska	384	376	424	431	231	209	--	--	1,039	1,016
Hawaii	1,021	1,016	1,128	1,090	1,127	1,041	--	--	3,275	3,147
U.S. Total	163,352	166,714	133,908	135,926	65,691	67,606	754	803	363,705	371,049

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

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011	December 2012	December 2011
New England	15.89	16.12	14.17	14.23	12.01	12.45	6.89	7.23	14.37	14.56
Connecticut	17.08	18.15	14.46	15.36	12.66	13.19	9.41	11.21	15.43	16.33
Maine	14.69	15.26	11.83	12.36	8.79	7.94	--	--	12.35	12.49
Massachusetts	15.23	15.20	15.01	14.28	12.63	13.41	5.33	5.07	14.32	14.31
New Hampshire	15.90	16.67	13.48	13.94	12.08	12.04	--	--	14.28	14.74
Rhode Island	15.71	14.33	12.75	12.67	11.48	11.87	12.96	13.95	13.87	13.25
Vermont	17.82	16.19	13.85	14.02	9.96	9.92	--	--	14.56	13.85
Middle Atlantic	15.04	15.25	12.49	12.61	7.27	7.58	12.45	11.40	12.46	12.61
New Jersey	15.45	15.97	11.98	12.46	10.47	10.47	10.32	10.07	13.10	13.54
New York	17.58	17.26	14.51	14.43	5.89	7.22	13.77	12.44	14.75	14.71
Pennsylvania	12.67	13.17	9.47	9.63	7.20	7.24	8.89	8.87	10.00	10.21
East North Central	11.66	11.47	9.29	9.20	6.57	6.45	5.69	6.80	9.23	9.07
Illinois	10.57	11.15	7.75	8.13	5.60	6.22	5.42	6.69	7.99	8.51
Indiana	10.33	9.85	9.16	8.78	6.33	6.09	10.04	9.61	8.29	7.94
Michigan	14.09	13.32	10.87	10.19	8.35	7.33	8.77	7.34	11.37	10.50
Ohio	11.33	10.95	9.33	9.25	6.51	6.12	6.90	6.60	9.23	8.90
Wisconsin	12.69	12.78	9.98	10.19	6.91	7.17	--	--	9.95	10.12
West North Central	9.79	9.32	8.01	7.54	5.98	5.75	7.06	7.01	8.09	7.71
Iowa	10.18	9.66	7.63	7.20	5.16	4.72	--	--	7.49	7.05
Kansas	10.81	9.98	8.87	8.32	6.86	6.48	--	--	9.00	8.43
Minnesota	10.95	10.32	8.62	7.68	6.47	6.43	8.42	8.38	8.77	8.21
Missouri	8.95	8.68	7.36	7.14	5.33	5.28	5.81	5.75	7.63	7.45
Nebraska	9.10	8.43	8.03	7.60	6.15	5.88	--	--	7.74	7.35
North Dakota	8.36	8.41	7.74	7.80	6.63	6.20	--	--	7.63	7.55
South Dakota	9.49	9.18	7.71	7.53	6.48	6.12	--	--	8.21	7.94
South Atlantic	10.99	10.92	9.28	9.41	6.39	6.46	8.42	8.35	9.53	9.54
Delaware	13.04	13.52	10.35	10.17	8.74	8.07	--	--	11.14	10.96
District of Columbia	11.97	12.24	11.86	12.26	5.56	5.51	9.20	8.54	11.68	12.01
Florida	11.46	11.47	9.76	9.94	7.95	8.15	8.53	8.87	10.42	10.53
Georgia	10.12	10.21	9.23	9.61	5.65	6.19	6.91	7.63	8.75	9.04
Maryland	12.68	12.76	10.44	10.79	8.00	8.17	8.50	8.18	11.29	11.42
North Carolina	10.33	10.08	8.51	8.10	6.21	5.85	7.76	7.48	8.89	8.54
South Carolina	11.75	11.28	9.70	9.29	5.87	5.83	--	--	9.14	8.80
Virginia	10.54	10.48	7.84	8.18	6.61	6.59	8.13	8.88	8.90	8.96
West Virginia	9.63	9.47	8.27	8.21	6.28	6.38	8.41	9.85	8.16	8.12
East South Central	10.27	10.12	10.05	9.91	5.95	6.06	10.99	12.70	8.52	8.48
Alabama	10.88	10.87	10.53	10.69	6.02	6.22	--	--	8.88	9.00
Kentucky	9.37	9.22	8.76	8.44	5.18	5.26	--	--	7.14	7.06
Mississippi	10.22	10.08	9.49	9.57	6.04	6.32	--	--	8.47	8.60
Tennessee	10.45	10.19	10.81	10.42	7.14	7.05	10.99	12.70	9.59	9.33
West South Central	10.21	9.99	7.87	8.19	5.47	5.55	10.34	9.57	7.99	8.05
Arkansas	9.07	8.64	7.71	7.48	5.55	5.43	NM	11.26	7.42	7.18
Louisiana	8.46	8.18	8.20	7.95	5.06	5.04	9.06	5.85	7.07	6.90
Oklahoma	8.60	8.34	6.82	7.03	4.82	5.15	--	--	6.93	7.06
Texas	11.06	10.89	7.98	8.49	5.72	5.80	10.55	10.19	8.47	8.61
Mountain	10.33	9.85	8.68	8.33	5.74	5.53	9.91	8.89	8.37	8.07
Arizona	10.36	9.98	8.98	8.67	5.95	5.86	--	--	8.98	8.73
Colorado	10.99	10.77	9.11	9.01	6.67	6.70	10.23	9.26	9.08	9.02
Idaho	8.35	7.43	6.67	5.76	4.83	4.29	--	--	6.90	6.13
Montana	9.90	9.58	9.23	9.02	5.07	5.14	--	--	8.36	8.28
Nevada	11.82	11.07	8.96	8.62	5.30	5.13	7.74	7.19	8.36	7.97
New Mexico	10.71	10.58	9.33	8.83	5.65	5.39	--	--	8.56	8.39
Utah	9.73	8.95	7.47	6.96	5.22	5.01	9.85	8.64	7.41	6.98
Wyoming	9.90	9.18	8.14	7.87	6.08	5.53	--	--	7.23	6.76
Pacific Contiguous	12.71	12.16	10.72	10.20	7.26	6.98	7.43	7.71	10.76	10.29
California	15.65	14.78	11.92	11.16	9.75	8.94	7.40	7.70	12.83	12.02
Oregon	9.77	9.57	8.16	8.06	5.47	5.42	7.93	7.85	8.33	8.23
Washington	8.53	8.38	7.76	7.67	4.02	4.22	8.36	8.17	7.07	7.07
Pacific Noncontiguous	26.63	27.30	24.40	24.34	25.81	25.60	--	--	25.55	25.70
Alaska	17.03	17.88	14.57	14.64	16.45	15.45	--	--	15.88	16.02
Hawaii	36.32	36.20	33.80	33.77	29.67	29.65	--	--	32.96	32.96
U.S. Total	11.62	11.40	9.82	9.77	6.54	6.51	10.14	9.79	9.65	9.53

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

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD	December 2012 YTD	December 2011 YTD
New England	15.75	15.89	13.76	14.31	12.04	12.55	6.89	7.85	14.11	14.49
Connecticut	17.35	18.11	14.70	15.57	12.76	13.24	9.69	10.25	15.58	16.35
Maine	14.72	15.38	11.58	12.29	7.87	8.88	--	--	11.83	12.58
Massachusetts	14.94	14.67	13.97	14.33	12.91	13.38	4.89	6.14	13.94	14.11
New Hampshire	16.10	16.52	13.40	14.04	11.82	12.27	--	--	14.22	14.74
Rhode Island	14.40	14.33	12.04	12.37	10.86	11.27	13.18	14.11	12.86	13.04
Vermont	17.31	16.26	14.30	14.00	9.96	9.83	--	--	14.32	13.80
Middle Atlantic	15.33	15.80	12.97	13.65	7.50	8.17	12.16	12.32	12.78	13.37
New Jersey	15.79	16.23	12.83	13.47	10.54	11.43	9.86	10.69	13.72	14.30
New York	17.69	18.26	15.08	15.81	6.67	7.83	13.72	13.45	15.20	15.89
Pennsylvania	12.82	13.26	9.37	10.03	7.24	7.73	7.94	8.93	9.91	10.45
East North Central	12.01	11.79	9.51	9.49	6.56	6.53	5.96	6.92	9.29	9.22
Illinois	11.37	11.78	8.19	8.64	5.91	6.42	5.75	6.81	8.50	8.97
Indiana	10.38	10.06	9.07	8.77	6.35	6.17	9.56	9.74	8.23	8.01
Michigan	14.14	13.27	10.95	10.33	7.73	7.32	7.97	8.53	11.04	10.40
Ohio	11.66	11.42	9.47	9.63	6.21	6.12	6.98	6.64	9.08	9.03
Wisconsin	13.27	13.02	10.54	10.42	7.41	7.33	--	--	10.34	10.21
West North Central	10.55	10.12	8.46	8.23	6.24	6.08	7.72	7.52	8.51	8.26
Iowa	10.85	10.46	8.00	7.85	5.33	5.21	--	--	7.73	7.56
Kansas	11.17	10.65	9.13	8.78	6.88	6.71	--	--	9.22	8.89
Minnesota	11.37	10.96	8.86	8.63	6.59	6.47	8.67	8.23	8.92	8.65
Missouri	10.07	9.75	8.16	8.04	5.85	5.85	6.96	6.90	8.46	8.32
Nebraska	10.02	9.32	8.40	7.99	6.81	6.43	--	--	8.34	7.88
North Dakota	9.03	8.58	7.98	7.61	6.66	6.24	--	--	7.85	7.50
South Dakota	9.98	9.35	8.01	7.76	6.57	6.20	--	--	8.44	8.05
South Atlantic	11.36	11.19	9.38	9.46	6.51	6.66	8.41	9.03	9.72	9.74
Delaware	13.56	13.70	10.11	10.64	8.34	8.91	--	--	11.05	11.48
District of Columbia	12.27	13.40	12.00	12.90	5.43	6.89	8.78	10.19	11.83	12.81
Florida	11.52	11.51	9.76	9.85	8.04	8.55	8.55	8.81	10.52	10.61
Georgia	11.00	11.05	9.47	9.87	5.89	6.60	7.65	7.94	9.25	9.61
Maryland	12.85	13.31	10.52	11.28	8.12	8.76	8.35	9.03	11.33	11.93
North Carolina	10.81	10.26	8.61	8.13	6.34	6.01	7.89	7.04	9.07	8.64
South Carolina	11.60	11.05	9.57	9.30	5.96	5.94	--	--	9.01	8.80
Virginia	11.12	10.64	8.11	7.95	6.72	6.49	8.51	8.24	9.10	8.84
West Virginia	9.85	9.39	8.42	8.14	6.33	6.18	8.37	8.60	8.13	7.88
East South Central	10.26	10.14	9.84	9.80	6.10	6.19	11.29	12.07	8.54	8.58
Alabama	11.31	11.09	10.58	10.47	6.20	6.25	--	--	9.13	9.10
Kentucky	9.33	9.20	8.66	8.49	5.35	5.33	--	--	7.20	7.17
Mississippi	10.19	10.17	9.28	9.48	6.16	6.53	--	--	8.54	8.78
Tennessee	10.07	9.98	10.29	10.27	7.12	7.23	11.29	12.07	9.27	9.28
West South Central	10.33	10.42	8.00	8.56	5.46	6.00	10.30	9.85	8.16	8.54
Arkansas	9.30	9.02	7.68	7.50	5.65	5.63	NM	11.10	7.56	7.43
Louisiana	8.36	8.96	7.79	8.44	4.75	5.69	8.72	8.33	6.90	7.68
Oklahoma	9.43	9.47	7.26	7.60	5.03	5.46	--	--	7.47	7.80
Texas	11.04	11.08	8.17	8.83	5.73	6.24	10.54	10.08	8.64	9.00
Mountain	10.90	10.56	8.98	8.86	6.18	6.08	9.62	9.48	8.81	8.63
Arizona	11.27	11.08	9.54	9.50	6.53	6.55	--	--	9.80	9.71
Colorado	11.39	11.27	9.34	9.44	6.94	7.06	9.69	9.79	9.34	9.39
Idaho	8.47	7.87	6.83	6.41	5.55	5.10	--	--	6.89	6.44
Montana	10.09	9.75	9.16	9.12	5.04	5.27	--	--	8.26	8.23
Nevada	11.82	11.61	8.86	9.05	6.46	6.65	8.40	8.58	8.94	8.97
New Mexico	11.38	11.00	9.30	9.07	5.83	6.06	--	--	8.82	8.74
Utah	9.94	8.96	8.05	7.35	5.62	5.10	9.79	9.24	7.85	7.13
Wyoming	9.85	9.11	8.23	7.72	6.03	5.41	--	--	7.19	6.58
Pacific Contiguous	13.08	12.43	12.05	11.61	7.89	7.62	7.86	8.13	11.52	11.01
California	15.55	14.78	13.60	13.05	10.73	10.11	7.85	8.14	13.75	13.05
Oregon	9.84	9.54	8.34	8.15	5.61	5.47	8.24	7.89	8.25	8.04
Washington	8.53	8.28	7.67	7.49	4.11	4.09	8.19	8.54	6.93	6.78
Pacific Noncontiguous	28.73	27.49	25.41	24.45	26.93	25.02	--	--	26.90	25.57
Alaska	17.84	17.62	14.79	15.10	16.75	15.71	--	--	16.24	16.08
Hawaii	37.27	34.68	34.83	32.37	30.77	28.40	--	--	33.98	31.59
U.S. Total	11.88	11.72	10.12	10.23	6.70	6.82	10.05	10.46	9.87	9.90

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 then values under 0.5 are shown as *.)
Notes: - See Glossary for definitions. - Values for 2011 are final. Values for 2012 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, December 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**12**	**--**	**1**	**--**	**0**	**7**
Connecticut	0	18	--	2	--	0	37
Maine	0	12	--	6	--	--	10
Massachusetts	5	28	--	3	--	0	20
New Hampshire	0	74	--	1	--	0	13
Rhode Island	--	40	--	2	--	--	324
Vermont	--	253	--	0	--	0	23
Middle Atlantic	**1**	**7**	**155**	**1**	**17**	**0**	**2**
New Jersey	0	82	--	3	82	0	216
New York	4	11	0	2	--	0	2
Pennsylvania	1	7	155	1	11	0	8
East North Central	*****	**2**	**6**	**1**	**10**	**0**	**20**
Illinois	*	5	--	6	57	0	69
Indiana	*	5	0	3	9	--	20
Michigan	2	5	64	4	0	0	39
Ohio	*	1	0	1	74	0	26
Wisconsin	*	20	0	2	--	0	31
West North Central	**1**	**4**	**0**	**39**	**152**	**0**	**9**
Iowa	2	4	0	11	--	0	43
Kansas	0	7	0	198	--	0	229
Minnesota	2	32	0	2	--	0	53
Missouri	1	5	0	9	--	0	28
Nebraska	2	21	--	51	--	0	34
North Dakota	3	20	--	144	152	--	0
South Dakota	6	40	--	68	--	--	0
South Atlantic	*****	**4**	**0**	**3**	**0**	**0**	**5**
Delaware	3	35	--	2	0	--	--
District of Columbia	--	0	--	138	--	--	--
Florida	*	9	0	3	0	0	65
Georgia	*	16	0	8	--	0	10
Maryland	0	15	--	13	0	0	2
North Carolina	1	8	--	25	--	0	9
South Carolina	0	11	0	21	--	0	20
Virginia	1	6	--	10	--	0	24
West Virginia	*	0	--	45	0	--	12
East South Central	*****	**3**	**0**	**5**	**13**	**0**	**3**
Alabama	*	9	--	4	13	0	3
Kentucky	1	4	0	20	--	--	5
Mississippi	0	14	--	13	--	0	--
Tennessee	*	3	--	1	0	0	5
West South Central	*****	**3**	**3**	**5**	**3**	**0**	**12**
Arkansas	0	6	0	40	--	0	17
Louisiana	0	3	5	13	4	0	0
Oklahoma	1	12	0	10	--	--	33
Texas	0	7	3	6	3	0	38
Mountain	**1**	**4**	**0**	**1**	**9**	**0**	**5**
Arizona	*	13	--	1	--	0	3
Colorado	1	27	--	4	--	--	29
Idaho	48	592	--	5	--	--	11
Montana	5	19	0	208	0	--	6
Nevada	0	1	--	1	0	--	7
New Mexico	0	4	--	5	--	--	115
Utah	2	10	--	7	88	--	39
Wyoming	2	5	--	15	7	--	33
Pacific Contiguous	**2**	**9**	**159**	**2**	**5**	**0**	**1**
California	16	8	159	2	6	0	6
Oregon	0	15	--	1	--	--	3
Washington	0	21	--	6	0	0	1
Pacific Noncontiguous	**3**	**1**	**--**	**12**	**91**	**--**	**23**
Alaska	9	2	--	12	696	--	23
Hawaii	0	1	--	--	84	--	103
U.S. Total	*****	**1**	**2**	**2**	**3**	**0**	**1**

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

Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, December 2012 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**.**	**--**	**.**	**106**	**3**	**0**	**4**	**1**
Connecticut	.	--	.	--	9	0	5	1
Maine	.	--	.	--	2	--	9	3
Massachusetts	.	--	.	118	8	0	5	2
New Hampshire	.	--	.	--	10	--	31	1
Rhode Island	.	--	.	--	32	--	--	2
Vermont	.	--	.	237	10	--	--	4
Middle Atlantic	**.**	**--**	**.**	**42**	**3**	**0**	**3**	*****
New Jersey	.	--	.	50	15	0	6	1
New York	.	--	.	27	3	0	5	1
Pennsylvania	.	--	.	121	4	0	4	1
East North Central	**.**	**--**	**.**	**94**	**1**	**0**	**6**	*****
Illinois	.	--	.	123	1	--	17	*
Indiana	.	--	.	418	2	--	3	*
Michigan	.	--	.	--	5	0	9	1
Ohio	.	--	.	151	5	--	0	*
Wisconsin	.	--	.	--	5	--	20	1
West North Central	**.**	**--**	**.**	**453**	**1**	**0**	**10**	**2**
Iowa	.	--	.	--	1	--	--	1
Kansas	.	--	.	--	1	--	--	10
Minnesota	.	--	.	453	3	--	11	1
Missouri	.	--	.	--	3	0	0	1
Nebraska	.	--	.	--	3	--	--	2
North Dakota	.	--	.	--	3	--	41	2
South Dakota	.	--	.	--	2	--	0	3
South Atlantic	**.**	**--**	**.**	**34**	**2**	**0**	**2**	**1**
Delaware	.	--	.	121	46	--	--	2
District of Columbia	.	--	.	--	--	--	--	138
Florida	.	--	.	28	4	--	3	2
Georgia	.	--	.	398	4	0	6	3
Maryland	.	--	.	130	7	--	1	1
North Carolina	.	--	.	119	7	0	27	4
South Carolina	.	--	.	--	2	0	0	3
Virginia	.	--	.	--	5	0	5	3
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**3**	**0**	**82**	**1**
Alabama	.	--	.	--	4	--	0	1
Kentucky	.	--	.	--	11	--	0	1
Mississippi	.	--	.	--	3	--	185	8
Tennessee	.	--	.	--	7	0	0	1
West South Central	**.**	**--**	**.**	**31**	**1**	**0**	**10**	**2**
Arkansas	.	--	.	--	4	0	0	7
Louisiana	.	--	.	--	5	--	8	7
Oklahoma	.	--	.	--	2	0	99	3
Texas	.	--	.	31	1	--	15	3
Mountain	**.**	**4**	**.**	**9**	**1**	**0**	**5**	**1**
Arizona	.	--	.	10	8	0	0	*
Colorado	.	--	.	43	2	0	35	1
Idaho	.	19	.	--	5	--	0	7
Montana	.	0	.	--	5	--	0	3
Nevada	.	4	.	10	3	--	43	1
New Mexico	.	--	.	34	3	--	--	1
Utah	.	4	.	518	4	--	3	2
Wyoming	.	--	.	--	2	--	0	2
Pacific Contiguous	**.**	**1**	**.**	**21**	**1**	**0**	**7**	**1**
California	.	1	.	21	2	0	8	1
Oregon	.	0	.	181	2	--	38	2
Washington	.	--	.	0	1	0	13	1
Pacific Noncontiguous	**.**	**0**	**.**	**635**	**13**	**--**	**0**	**3**
Alaska	.	--	.	--	124	--	0	8
Hawaii	.	0	.	635	13	--	0	2
U.S. Total	**.**	**2**	**.**	**10**	**1**	**0**	**2**	*****

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**2**	**--**	*****	**--**	**0**	**3**
Connecticut	0	3	--	1	--	0	16
Maine	0	3	--	1	--	--	4
Massachusetts	4	4	--	*	--	0	9
New Hampshire	0	12	--	*	--	0	6
Rhode Island	--	15	--	*	--	--	139
Vermont	--	49	--	0	--	0	10
Middle Atlantic	*****	**2**	**57**	*****	**4**	**0**	**1**
New Jersey	0	10	--	1	15	0	70
New York	2	2	0	1	--	0	1
Pennsylvania	*	2	57	*	3	0	4
East North Central	*****	**1**	**1**	*****	**2**	**0**	**5**
Illinois	*	2	--	1	11	0	27
Indiana	*	2	0	1	2	--	7
Michigan	*	3	21	1	0	0	11
Ohio	*	1	*	*	12	0	9
Wisconsin	*	8	0	1	--	0	8
West North Central	*****	**2**	**0**	**3**	**29**	**0**	**2**
Iowa	1	3	0	5	--	0	13
Kansas	0	4	0	16	--	0	100
Minnesota	1	12	0	1	--	0	14
Missouri	*	2	0	2	--	0	3
Nebraska	*	5	--	6	--	0	10
North Dakota	1	9	--	49	29	--	0
South Dakota	2	26	--	22	--	--	0
South Atlantic	*****	**1**	**0**	*****	**3**	**0**	**2**
Delaware	1	8	--	1	0	--	--
District of Columbia	--	0	--	49	--	--	--
Florida	*	2	0	*	0	0	27
Georgia	*	4	0	1	--	0	4
Maryland	*	4	--	2	9	0	1
North Carolina	*	2	--	2	--	0	3
South Carolina	*	4	0	2	--	0	7
Virginia	1	1	--	1	--	0	7
West Virginia	*	1	--	3	0	--	5
East South Central	*****	**2**	**0**	**1**	**4**	**0**	**1**
Alabama	*	5	--	1	4	0	2
Kentucky	*	2	0	2	--	--	2
Mississippi	*	4	--	1	--	0	--
Tennessee	*	1	--	*	0	0	2
West South Central	*****	**2**	**1**	*****	**1**	**0**	**2**
Arkansas	0	3	0	2	--	0	3
Louisiana	*	3	2	1	2	0	0
Oklahoma	*	4	0	1	--	--	5
Texas	*	3	1	1	1	0	10
Mountain	*****	**2**	**0**	*****	**3**	**0**	**1**
Arizona	*	2	--	*	--	0	1
Colorado	*	18	--	1	--	--	7
Idaho	15	263	--	2	--	--	2
Montana	2	14	0	38	0	--	2
Nevada	0	1	--	*	0	--	1
New Mexico	0	5	--	1	--	--	28
Utah	1	4	--	2	29	--	11
Wyoming	1	4	--	8	2	--	4
Pacific Contiguous	**1**	**7**	**20**	*****	**1**	**0**	*****
California	3	3	20	1	1	0	2
Oregon	0	5	--	*	--	--	1
Washington	0	20	--	2	0	0	*
Pacific Noncontiguous	**1**	**1**	**--**	**4**	**27**	**--**	**7**
Alaska	3	1	--	4	133	--	7
Hawaii	1	1	--	--	27	--	33
U.S. Total	*****	**1**	**1**	*****	**1**	**0**	*****

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**.**	**--**	**.**	**28**	**1**	**0**	**1**	*****
Connecticut	.	--	.	--	2	0	1	*
Maine	.	--	.	--	1	--	3	1
Massachusetts	.	--	.	31	2	0	1	*
New Hampshire	.	--	.	--	3	--	9	*
Rhode Island	.	--	.	--	7	--	--	*
Vermont	.	--	.	76	4	--	--	2
Middle Atlantic	**.**	**--**	**.**	**8**	**1**	**0**	**1**	*****
New Jersey	.	--	.	10	3	0	2	*
New York	.	--	.	5	1	0	2	*
Pennsylvania	.	--	.	24	1	0	1	*
East North Central	**.**	**--**	**.**	**18**	*****	**0**	**2**	*****
Illinois	.	--	.	25	1	--	6	*
Indiana	.	--	.	246	*	--	1	*
Michigan	.	--	.	--	1	0	2	*
Ohio	.	--	.	26	1	--	0	*
Wisconsin	.	--	.	--	1	--	7	*
West North Central	**.**	**--**	**.**	**453**	*****	**0**	**3**	*****
Iowa	.	--	.	--	*	--	--	*
Kansas	.	--	.	--	1	--	--	1
Minnesota	.	--	.	453	1	--	3	*
Missouri	.	--	.	--	1	0	0	*
Nebraska	.	--	.	--	1	--	--	1
North Dakota	.	--	.	--	1	--	11	1
South Dakota	.	--	.	--	1	--	0	1
South Atlantic	**.**	**--**	**.**	**7**	*****	**0**	**1**	*****
Delaware	.	--	.	32	8	--	--	1
District of Columbia	.	--	.	--	--	--	--	44
Florida	.	--	.	6	1	--	1	*
Georgia	.	--	.	101	1	0	2	*
Maryland	.	--	.	33	2	--	*	*
North Carolina	.	--	.	24	1	0	9	*
South Carolina	.	--	.	--	*	0	0	*
Virginia	.	--	.	--	1	0	2	*
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**1**	**0**	**14**	*****
Alabama	.	--	.	--	1	--	0	*
Kentucky	.	--	.	--	2	--	0	*
Mississippi	.	--	.	--	1	--	61	1
Tennessee	.	--	.	--	2	0	0	*
West South Central	**.**	**--**	**.**	**9**	*****	**0**	**3**	*****
Arkansas	.	--	.	--	1	0	0	1
Louisiana	.	--	.	--	1	--	2	1
Oklahoma	.	--	.	--	*	0	34	*
Texas	.	--	.	9	*	--	5	*
Mountain	**.**	**1**	**.**	**3**	*****	**0**	**1**	*****
Arizona	.	--	.	3	2	0	0	*
Colorado	.	--	.	7	1	0	11	*
Idaho	.	5	.	--	2	--	0	2
Montana	.	0	.	--	1	--	0	1
Nevada	.	1	.	3	1	--	11	*
New Mexico	.	--	.	9	1	--	--	*
Utah	.	1	.	112	1	--	1	1
Wyoming	.	--	.	--	1	--	0	1
Pacific Contiguous	**.**	*****	**.**	**3**	*****	**0**	**2**	*****
California	.	*	.	3	*	0	2	*
Oregon	.	19	.	50	1	--	10	1
Washington	.	--	.	0	*	0	5	*
Pacific Noncontiguous	**.**	**0**	**.**	**54**	**2**	**--**	**0**	**1**
Alaska	.	--	.	--	31	--	0	2
Hawaii	.	0	.	54	2	--	0	1
U.S. Total	**.**	*****	**.**	**2**	*****	**0**	**1**	*****

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**28**	**--**	**64**	**--**	**--**	**20**
Connecticut	--	53	--	275	--	--	121
Maine	--	110	--	--	--	--	--
Massachusetts	--	31	--	0	--	--	53
New Hampshire	0	47	--	0	--	--	15
Rhode Island	--	27	--	--	--	--	--
Vermont	--	370	--	0	--	--	38
Middle Atlantic	**0**	**24**	**--**	**6**	**--**	**--**	**1**
New Jersey	--	788	--	0	--	--	--
New York	0	24	--	6	--	--	1
Pennsylvania	--	183	--	993	--	--	5
East North Central	*****	**2**	**0**	**1**	**--**	**0**	**21**
Illinois	0	15	--	42	--	--	131
Indiana	*	4	0	1	--	--	20
Michigan	2	5	0	6	--	0	41
Ohio	1	1	--	1	--	--	26
Wisconsin	*	19	0	2	--	--	33
West North Central	**1**	**3**	**0**	**43**	**--**	**0**	**9**
Iowa	2	4	0	10	--	--	43
Kansas	0	7	0	200	--	0	--
Minnesota	2	34	0	2	--	0	67
Missouri	1	5	0	9	--	0	28
Nebraska	2	21	--	0	--	0	34
North Dakota	3	19	--	0	--	--	0
South Dakota	6	42	--	68	--	--	0
South Atlantic	**0**	**3**	**0**	**3**	**--**	**0**	**7**
Delaware	--	782	--	492	--	--	--
District of Columbia	--	--	--	0	--	--	--
Florida	0	9	0	3	--	0	65
Georgia	0	10	--	0	--	0	10
Maryland	--	47	--	0	--	--	--
North Carolina	0	5	--	30	--	0	10
South Carolina	0	12	0	21	--	0	21
Virginia	0	4	--	0	--	0	24
West Virginia	0	0	--	0	--	--	41
East South Central	*****	**1**	**0**	**9**	**--**	**0**	**3**
Alabama	0	0	--	12	--	0	3
Kentucky	1	4	0	0	--	--	5
Mississippi	0	23	--	16	--	0	--
Tennessee	0	*	--	0	--	0	6
West South Central	**0**	**5**	**0**	**20**	**--**	**0**	**15**
Arkansas	0	0	--	239	--	0	17
Louisiana	0	9	0	33	--	0	--
Oklahoma	0	10	--	12	--	--	33
Texas	0	16	0	41	--	--	39
Mountain	**1**	**3**	**--**	**1**	**--**	**0**	**5**
Arizona	0	3	--	2	--	0	3
Colorado	1	28	--	3	--	--	30
Idaho	--	592	--	0	--	--	11
Montana	105	127	--	216	--	--	6
Nevada	0	2	--	0	--	--	4
New Mexico	0	3	--	7	--	--	115
Utah	2	10	--	4	--	--	39
Wyoming	2	4	--	244	--	--	32
Pacific Contiguous	**0**	**8**	**--**	**3**	**151**	**0**	**1**
California	--	3	--	3	151	0	6
Oregon	0	0	--	0	--	--	3
Washington	--	51	--	8	--	0	1
Pacific Noncontiguous	**0**	**1**	**--**	**12**	**--**	**--**	**23**
Alaska	0	2	--	12	--	--	23
Hawaii	--	1	--	--	--	--	304
U.S. Total	*****	**1**	**0**	**4**	**151**	**0**	**1**

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**.**	**--**	**.**	**269**	**4**	**--**	**--**	**4**
Connecticut	.	--	.	--	--	--	--	126
Maine	.	--	.	--	--	--	--	110
Massachusetts	.	--	.	269	67	--	--	33
New Hampshire	.	--	.	--	0	--	--	1
Rhode Island	.	--	.	--	--	--	--	27
Vermont	.	--	.	--	0	--	--	16
Middle Atlantic	**.**	**--**	**.**	**134**	**134**	**0**	**--**	**2**
New Jersey	.	--	.	134	134	0	--	9
New York	.	--	.	--	--	0	--	2
Pennsylvania	.	--	.	--	--	--	--	6
East North Central	**.**	**--**	**.**	**1,601**	**5**	**0**	**0**	*****
Illinois	.	--	.	--	111	--	--	1
Indiana	.	--	.	--	21	--	0	*
Michigan	.	--	.	--	13	0	0	1
Ohio	.	--	.	1,601	99	--	--	1
Wisconsin	.	--	.	--	1	--	0	1
West North Central	**.**	**--**	**.**	**--**	**1**	**0**	**8**	**2**
Iowa	.	--	.	--	1	--	--	2
Kansas	.	--	.	--	0	--	--	12
Minnesota	.	--	.	--	3	--	0	2
Missouri	.	--	.	--	61	0	0	1
Nebraska	.	--	.	--	13	--	--	2
North Dakota	.	--	.	--	3	--	41	3
South Dakota	.	--	.	--	2	--	0	4
South Atlantic	**.**	**--**	**.**	**12**	**5**	**0**	**--**	**1**
Delaware	.	--	.	518	518	--	--	429
District of Columbia	.	--	.	--	--	--	--	0
Florida	.	--	.	0	10	--	--	2
Georgia	.	--	.	--	0	0	--	*
Maryland	.	--	.	591	591	--	--	87
North Carolina	.	--	.	11,105	346	0	--	4
South Carolina	.	--	.	--	9	0	--	3
Virginia	.	--	.	--	0	0	--	*
West Virginia	.	--	.	--	--	--	--	*
East South Central	**.**	**--**	**.**	**--**	**36**	**0**	**0**	**1**
Alabama	.	--	.	--	343	--	--	2
Kentucky	.	--	.	--	36	--	0	1
Mississippi	.	--	.	--	0	--	--	11
Tennessee	.	--	.	--	0	0	--	1
West South Central	**.**	**--**	**.**	**--**	*****	**0**	**--**	**6**
Arkansas	.	--	.	--	--	0	--	9
Louisiana	.	--	.	--	--	--	--	14
Oklahoma	.	--	.	--	0	0	--	5
Texas	.	--	.	--	3	--	--	12
Mountain	**.**	**0**	**.**	**70**	**2**	**0**	**43**	**1**
Arizona	.	--	.	70	56	0	--	*
Colorado	.	--	.	--	27	0	--	1
Idaho	.	--	.	--	0	--	--	10
Montana	.	--	.	--	40	--	--	7
Nevada	.	--	.	--	0	--	43	*
New Mexico	.	--	.	--	--	--	--	1
Utah	.	0	.	--	0	--	--	2
Wyoming	.	--	.	--	1	--	--	2
Pacific Contiguous	**.**	**0**	**.**	**55**	**2**	**0**	**--**	**1**
California	.	0	.	55	7	0	--	2
Oregon	.	--	.	453	4	--	--	2
Washington	.	--	.	0	2	0	--	1
Pacific Noncontiguous	**.**	**--**	**.**	**--**	**51**	**--**	**0**	**4**
Alaska	.	--	.	--	101	--	0	8
Hawaii	.	--	.	--	0	--	0	2
U.S. Total	**.**	**0**	**.**	**31**	**1**	**0**	**8**	**1**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**4**	**--**	**7**	**--**	**--**	**9**
Connecticut	--	18	--	65	--	--	53
Maine	--	49	--	--	--	--	--
Massachusetts	--	4	--	4	--	--	23
New Hampshire	0	2	--	0	--	--	8
Rhode Island	--	12	--	--	--	--	--
Vermont	--	55	--	0	--	--	16
Middle Atlantic	**222**	**2**	**--**	**2**	**--**	**--**	*****
New Jersey	--	90	--	0	--	--	--
New York	222	2	--	2	--	--	*
Pennsylvania	--	81	--	186	--	--	3
East North Central	*****	**1**	**0**	**1**	**--**	**0**	**6**
Illinois	*	6	--	4	--	--	53
Indiana	*	1	0	1	--	--	7
Michigan	*	3	0	2	--	0	11
Ohio	*	1	--	1	--	--	9
Wisconsin	*	8	0	2	--	--	9
West North Central	*****	**2**	**0**	**3**	**--**	**0**	**2**
Iowa	1	3	0	5	--	--	13
Kansas	0	4	0	16	--	0	--
Minnesota	1	12	0	1	--	0	18
Missouri	*	2	0	2	--	0	3
Nebraska	*	5	--	6	--	0	10
North Dakota	1	8	--	958	--	--	0
South Dakota	2	28	--	22	--	--	0
South Atlantic	*****	**1**	**0**	*****	**--**	**0**	**2**
Delaware	--	107	--	103	--	--	--
District of Columbia	--	--	--	54	--	--	--
Florida	*	2	0	*	--	0	27
Georgia	*	2	--	*	--	0	4
Maryland	--	17	--	0	--	--	--
North Carolina	0	1	--	3	--	0	3
South Carolina	*	4	0	2	--	0	7
Virginia	0	1	--	0	--	0	6
West Virginia	*	1	--	0	--	--	18
East South Central	*****	**1**	**0**	**1**	**--**	**0**	**1**
Alabama	*	0	--	4	--	0	2
Kentucky	*	2	0	2	--	--	2
Mississippi	*	5	--	1	--	0	--
Tennessee	0	*	--	0	--	0	2
West South Central	**0**	**2**	**0**	**1**	**--**	**0**	**3**
Arkansas	0	*	--	13	--	0	3
Louisiana	0	10	0	3	--	0	--
Oklahoma	0	3	--	1	--	--	5
Texas	0	4	0	3	--	--	10
Mountain	*****	**2**	**--**	*****	**--**	**0**	**1**
Arizona	0	2	--	*	--	0	1
Colorado	*	18	--	1	--	--	7
Idaho	--	263	--	6	--	--	3
Montana	31	131	--	40	--	--	2
Nevada	0	1	--	0	--	--	1
New Mexico	0	4	--	2	--	--	28
Utah	1	4	--	1	--	--	11
Wyoming	1	4	--	65	--	--	3
Pacific Contiguous	**0**	**4**	**--**	**1**	**47**	**0**	*****
California	--	2	--	1	47	0	1
Oregon	0	0	--	*	--	--	1
Washington	--	30	--	2	--	0	*
Pacific Noncontiguous	**0**	**1**	**--**	**4**	**--**	**--**	**7**
Alaska	0	1	--	4	--	--	7
Hawaii	--	1	--	--	--	--	86
U.S. Total	*****	**1**	**0**	*****	**47**	**0**	*****

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	.	--	.	**45**	**2**	--	--	**3**
Connecticut	.	--	.	--	--	--	--	39
Maine	.	--	.	--	--	--	--	49
Massachusetts	.	--	.	45	18	--	--	9
New Hampshire	.	--	.	--	0	--	--	1
Rhode Island	.	--	.	--	--	--	--	12
Vermont	.	--	.	--	0	--	--	10
Middle Atlantic	.	--	.	**22**	**22**	**0**	--	**1**
New Jersey	.	--	.	22	22	0	--	2
New York	.	--	.	--	--	0	--	1
Pennsylvania	.	--	.	--	--	--	--	4
East North Central	.	--	.	**103**	**2**	**0**	**0**	*
Illinois	.	--	.	--	36	--	--	1
Indiana	.	--	.	--	4	--	0	*
Michigan	.	--	.	--	9	0	0	*
Ohio	.	--	.	103	31	--	--	*
Wisconsin	.	--	.	--	*	--	0	*
West North Central	.	--	.	--	*	**0**	**2**	*
Iowa	.	--	.	--	*	--	--	1
Kansas	.	--	.	--	0	--	--	1
Minnesota	.	--	.	--	1	--	0	1
Missouri	.	--	.	--	12	0	0	*
Nebraska	.	--	.	--	3	--	--	1
North Dakota	.	--	.	--	1	--	11	1
South Dakota	.	--	.	--	*	--	0	1
South Atlantic	.	--	.	**3**	**1**	**0**	--	*
Delaware	.	--	.	102	102	--	--	90
District of Columbia	.	--	.	--	--	--	--	54
Florida	.	--	.	0	2	--	--	*
Georgia	.	--	.	--	0	0	--	*
Maryland	.	--	.	116	106	--	--	27
North Carolina	.	--	.	121	79	0	--	*
South Carolina	.	--	.	--	2	0	--	*
Virginia	.	--	.	--	1	0	--	*
West Virginia	.	--	.	--	--	--	--	*
East South Central	.	--	.	--	**7**	**0**	**0**	*
Alabama	.	--	.	--	95	--	--	1
Kentucky	.	--	.	--	7	--	0	*
Mississippi	.	--	.	--	0	--	--	1
Tennessee	.	--	.	--	0	0	--	*
West South Central	.	--	.	--	**1**	**0**	--	**1**
Arkansas	.	--	.	--	--	0	--	1
Louisiana	.	--	.	--	--	--	--	1
Oklahoma	.	--	.	--	0	0	--	*
Texas	.	--	.	--	3	--	--	1
Mountain	.	**0**	.	**15**	**1**	**0**	**11**	*
Arizona	.	--	.	15	13	0	--	*
Colorado	.	--	.	--	7	0	--	*
Idaho	.	--	.	--	0	--	--	2
Montana	.	--	.	--	13	--	--	2
Nevada	.	--	.	--	0	--	11	*
New Mexico	.	--	.	--	--	--	--	*
Utah	.	0	.	--	0	--	--	1
Wyoming	.	--	.	--	*	--	--	*
Pacific Contiguous	.	**0**	.	**12**	**1**	**0**	--	*
California	.	0	.	12	2	0	--	1
Oregon	.	--	.	89	1	--	--	1
Washington	.	--	.	0	1	0	--	*
Pacific Noncontiguous	.	--	.	--	**12**	--	**0**	**1**
Alaska	.	--	.	--	34	--	0	3
Hawaii	.	--	.	--	0	--	0	1
U.S. Total	.	**0**	.	**6**	*	**0**	**2**	*

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**4**	**12**	**--**	**1**	**--**	**0**	**9**
Connecticut	0	16	--	2	--	0	39
Maine	0	5	--	1	--	--	12
Massachusetts	5	36	--	2	--	0	21
New Hampshire	--	3,780	--	0	--	0	16
Rhode Island	--	136	--	1	--	--	324
Vermont	--	--	--	--	--	0	29
Middle Atlantic	**1**	**9**	**0**	**1**	**0**	**0**	**10**
New Jersey	0	78	--	3	--	0	216
New York	4	24	0	2	--	0	11
Pennsylvania	1	7	0	1	0	0	16
East North Central	*****	**3**	**0**	**1**	**0**	**0**	**76**
Illinois	0	0	--	3	0	0	74
Indiana	0	127,208	0	8	--	--	--
Michigan	0	0	0	5	0	0	125
Ohio	1	2	0	1	0	0	--
Wisconsin	0	0	--	0	--	0	146
West North Central	**--**	**74**	**--**	**10**	**--**	**0**	**100**
Iowa	--	96	--	0	--	0	442
Kansas	--	--	--	--	--	--	229
Minnesota	--	316	--	8	--	--	108
Missouri	--	0	--	26	--	--	--
South Dakota	--	128	--	--	--	--	--
South Atlantic	**1**	**12**	**--**	**12**	**--**	**0**	**3**
Delaware	3	30	--	2	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	0	31	--	26	--	--	--
Georgia	--	75	--	27	--	--	332
Maryland	0	16	--	11	--	0	2
North Carolina	25	134	--	10	--	--	183
South Carolina	0	0	--	111	--	--	136
Virginia	0	18	--	25	--	--	108
West Virginia	*	0	--	0	--	--	6
East South Central	**0**	**109**	**--**	**2**	**--**	**--**	**283**
Alabama	0	109	--	0	--	--	--
Kentucky	--	--	--	432	--	--	283
Mississippi	0	0	--	18	--	--	--
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**14**
Arkansas	0	0	--	0	--	--	133
Louisiana	0	0	--	0	0	--	0
Oklahoma	0	0	--	8	--	--	--
Texas	0	0	0	1	0	0	139
Mountain	**5**	**10**	**0**	**3**	**0**	**--**	**14**
Arizona	--	--	--	2	--	--	--
Colorado	104	0	--	7	--	--	113
Idaho	--	--	--	7	--	--	58
Montana	5	13	0	783	0	--	13
Nevada	0	0	--	5	0	--	197
New Mexico	--	136	--	5	--	--	--
Utah	87	551	--	59	--	--	368
Wyoming	67	--	--	1,260	--	--	473
Pacific Contiguous	**3**	**15**	**159**	**2**	**0**	**--**	**29**
California	21	30	159	2	--	--	38
Oregon	--	--	--	1	--	--	62
Washington	0	9	--	0	0	--	63
Pacific Noncontiguous	**4**	**2**	**--**	**--**	**--**	**--**	**0**
Alaska	31	--	--	--	--	--	--
Hawaii	0	2	--	--	--	--	0
U.S. Total	*****	**2**	**5**	**1**	**0**	**0**	**5**

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**.**	**--**	**.**	**115**	**4**	**0**	**4**	**1**
Connecticut	.	--	.	--	9	0	5	1
Maine	.	--	.	--	3	--	10	4
Massachusetts	.	--	.	132	8	0	5	2
New Hampshire	.	--	.	--	13	--	31	1
Rhode Island	.	--	.	--	32	--	--	1
Vermont	.	--	.	237	25	--	--	4
Middle Atlantic	**.**	**--**	**.**	**45**	**3**	**0**	**3**	*****
New Jersey	.	--	.	55	16	--	8	1
New York	.	--	.	0	2	--	5	1
Pennsylvania	.	--	.	128	4	0	5	1
East North Central	**.**	**--**	**.**	**96**	**1**	**--**	**15**	*****
Illinois	.	--	.	123	1	--	0	*
Indiana	.	--	.	418	*	--	--	1
Michigan	.	--	.	--	6	--	15	2
Ohio	.	--	.	162	4	--	--	*
Wisconsin	.	--	.	--	11	--	--	1
West North Central	**.**	**--**	**.**	**453**	**1**	**--**	**21**	**1**
Iowa	.	--	.	--	1	--	--	1
Kansas	.	--	.	--	1	--	--	1
Minnesota	.	--	.	453	3	--	21	4
Missouri	.	--	.	--	2	--	--	5
Nebraska	.	--	.	--	0	--	--	0
North Dakota	.	--	.	--	3	--	--	3
South Dakota	.	--	.	--	2	--	--	2
South Atlantic	**.**	**--**	**.**	**64**	**3**	**--**	**3**	**4**
Delaware	.	--	.	124	48	--	--	2
District of Columbia	.	--	.	--	--	--	--	0
Florida	.	--	.	124	5	--	4	18
Georgia	.	--	.	--	36	--	--	27
Maryland	.	--	.	136	5	--	0	*
North Carolina	.	--	.	117	14	--	27	10
South Carolina	.	--	.	--	77	--	--	96
Virginia	.	--	.	--	10	--	0	21
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**6**	**--**	**--**	**2**
Alabama	.	--	.	--	0	--	--	*
Kentucky	.	--	.	--	--	--	--	299
Mississippi	.	--	.	--	0	--	--	9
Tennessee	.	--	.	--	17	--	--	17
West South Central	**.**	**--**	**.**	**31**	**1**	**--**	**0**	**1**
Arkansas	.	--	.	--	69	--	--	1
Louisiana	.	--	.	--	41	--	--	*
Oklahoma	.	--	.	--	2	--	--	2
Texas	.	--	.	31	1	--	0	1
Mountain	**.**	**4**	**.**	**8**	**1**	**--**	**4**	**2**
Arizona	.	--	.	9	7	--	0	2
Colorado	.	--	.	42	2	--	70	3
Idaho	.	19	.	--	6	--	--	9
Montana	.	0	.	--	4	--	0	4
Nevada	.	4	.	9	3	--	--	3
New Mexico	.	--	.	34	3	--	--	3
Utah	.	21	.	518	5	--	129	24
Wyoming	.	--	.	--	3	--	--	15
Pacific Contiguous	**.**	**2**	**.**	**21**	**1**	**--**	**12**	**1**
California	.	2	.	21	2	--	13	1
Oregon	.	0	.	197	2	--	38	2
Washington	.	--	.	--	1	--	30	2
Pacific Noncontiguous	**.**	**0**	**.**	**635**	**12**	**--**	**0**	**3**
Alaska	.	--	.	--	--	--	0	31
Hawaii	.	0	.	635	12	--	0	2
U.S. Total	**.**	**2**	**.**	**10**	**1**	**0**	**2**	*****

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

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, Year-to-Date through December 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**3**	**2**	**--**	*****	**--**	**0**	**4**
Connecticut	0	2	--	*	--	0	17
Maine	0	1	--	*	--	--	5
Massachusetts	4	3	--	*	--	0	9
New Hampshire	--	1,212	--	0	--	0	8
Rhode Island	--	72	--	*	--	--	139
Vermont	--	--	--	--	--	0	12
Middle Atlantic	*****	**2**	**0**	*****	**32**	**0**	**4**
New Jersey	0	9	--	1	--	0	70
New York	2	4	0	*	--	0	5
Pennsylvania	*	2	0	*	32	0	8
East North Central	*****	**1**	**0**	*****	**0**	**0**	**22**
Illinois	0	0	--	1	0	0	28
Indiana	*	40,787	0	1	--	--	--
Michigan	2	0	0	1	0	0	36
Ohio	*	1	0	*	0	0	--
Wisconsin	0	0	--	0	--	0	42
West North Central	**--**	**9**	**--**	**1**	**--**	**0**	**27**
Iowa	--	41	--	1,095	--	0	130
Kansas	--	--	--	--	--	--	100
Minnesota	--	3	--	2	--	--	29
Missouri	--	0	--	1	--	--	--
South Dakota	--	57	--	--	--	--	--
South Atlantic	*****	**2**	**--**	**1**	**--**	**0**	**2**
Delaware	1	7	--	1	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida	1	6	--	3	--	--	--
Georgia	--	92	--	2	--	--	99
Maryland	*	4	--	1	--	0	1
North Carolina	6	45	--	1	--	--	65
South Carolina	46	0	--	5	--	--	49
Virginia	9	2	--	2	--	--	44
West Virginia	*	0	--	0	--	--	4
East South Central	**0**	**24**	**--**	*****	**--**	**--**	**123**
Alabama	0	24	--	*	--	--	--
Kentucky	--	--	--	11	--	--	123
Mississippi	0	0	--	1	--	--	--
West South Central	**0**	**0**	**0**	*****	*****	**0**	**4**
Arkansas	0	0	--	0	--	--	54
Louisiana	0	0	--	*	3	--	0
Oklahoma	0	0	--	1	--	--	--
Texas	0	0	0	*	0	0	59
Mountain	**2**	**10**	**0**	**1**	**0**	**--**	**4**
Arizona	--	--	--	*	--	--	--
Colorado	22	0	--	2	--	--	30
Idaho	--	--	--	2	--	--	9
Montana	1	12	0	106	0	--	4
Nevada	0	0	--	1	0	--	57
New Mexico	--	65	--	2	--	--	--
Utah	27	244	--	14	--	--	106
Wyoming	20	--	--	130	--	--	127
Pacific Contiguous	**1**	**4**	**20**	*****	**0**	**--**	**7**
California	4	5	20	*	--	--	8
Oregon	--	--	--	1	--	--	18
Washington	0	5	--	0	0	--	20
Pacific Noncontiguous	**1**	**1**	**--**	**--**	**--**	**--**	**0**
Alaska	10	--	--	--	--	--	--
Hawaii	0	1	--	--	--	--	0
U.S. Total	*****	**1**	**3**	*****	**1**	**0**	**2**

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**.**	**--**	**.**	**37**	**1**	**0**	**1**	*****
Connecticut	.	--	.	--	2	0	1	*
Maine	.	--	.	--	1	--	3	2
Massachusetts	.	--	.	43	2	0	1	*
New Hampshire	.	--	.	--	4	--	9	*
Rhode Island	.	--	.	--	7	--	--	*
Vermont	.	--	.	76	8	--	--	2
Middle Atlantic	**.**	**--**	**.**	**9**	**1**	**0**	**1**	*****
New Jersey	.	--	.	11	4	--	2	*
New York	.	--	.	0	1	--	1	*
Pennsylvania	.	--	.	28	1	0	1	*
East North Central	**.**	**--**	**.**	**18**	*****	**--**	**4**	*****
Illinois	.	--	.	25	1	--	0	*
Indiana	.	--	.	246	*	--	--	*
Michigan	.	--	.	--	2	--	4	*
Ohio	.	--	.	26	1	--	--	*
Wisconsin	.	--	.	--	2	--	--	*
West North Central	**.**	**--**	**.**	**453**	*****	**--**	**7**	*****
Iowa	.	--	.	--	*	--	--	*
Kansas	.	--	.	--	1	--	--	1
Minnesota	.	--	.	453	1	--	7	1
Missouri	.	--	.	--	*	--	--	1
Nebraska	.	--	.	--	1	--	--	1
North Dakota	.	--	.	--	1	--	--	1
South Dakota	.	--	.	--	1	--	--	1
South Atlantic	**.**	**--**	**.**	**13**	**1**	**--**	**1**	*****
Delaware	.	--	.	34	8	--	--	1
District of Columbia	.	--	.	--	--	--	--	0
Florida	.	--	.	20	1	--	1	2
Georgia	.	--	.	--	10	--	--	2
Maryland	.	--	.	35	2	--	0	*
North Carolina	.	--	.	25	2	--	9	2
South Carolina	.	--	.	--	16	--	--	5
Virginia	.	--	.	--	2	--	0	2
West Virginia	.	--	.	--	0	--	0	*
East South Central	**.**	**--**	**.**	**--**	**1**	**--**	**--**	*****
Alabama	.	--	.	--	0	--	--	*
Kentucky	.	--	.	--	--	--	--	11
Mississippi	.	--	.	--	0	--	--	1
Tennessee	.	--	.	--	5	--	--	5
West South Central	**.**	**--**	**.**	**9**	*****	**--**	**0**	*****
Arkansas	.	--	.	--	10	--	--	*
Louisiana	.	--	.	--	8	--	--	*
Oklahoma	.	--	.	--	1	--	--	*
Texas	.	--	.	9	*	--	0	*
Mountain	**.**	**1**	**.**	**2**	*****	**--**	**1**	**1**
Arizona	.	--	.	3	2	--	0	*
Colorado	.	--	.	7	1	--	17	1
Idaho	.	5	.	--	2	--	--	2
Montana	.	0	.	--	1	--	0	1
Nevada	.	1	.	3	1	--	--	1
New Mexico	.	--	.	9	1	--	--	1
Utah	.	6	.	112	1	--	42	8
Wyoming	.	--	.	--	1	--	--	5
Pacific Contiguous	**.**	*****	**.**	**3**	*****	**--**	**3**	*****
California	.	*	.	3	*	--	4	*
Oregon	.	19	.	60	1	--	10	1
Washington	.	--	.	--	*	--	8	1
Pacific Noncontiguous	**.**	**0**	**.**	**54**	**3**	**--**	**0**	**1**
Alaska	.	--	.	--	--	--	0	10
Hawaii	.	0	.	54	3	--	0	1
U.S. Total	**.**	*****	**.**	**2**	*****	**0**	**1**	*****

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**--**	**44**	**--**	**30**	**--**	**.**	**371**
Connecticut	--	344	--	81	--	.	--
Maine	--	249	--	1,524	--	.	--
Massachusetts	--	50	--	22	--	.	371
New Hampshire	--	90	--	--	--	.	--
Rhode Island	--	339	--	185	--	.	--
Vermont	--	321	--	--	--	.	--
Middle Atlantic	**0**	**60**	**--**	**28**	**0**	**.**	**377**
New Jersey	--	286	--	109	0	.	--
New York	0	69	--	26	--	.	377
Pennsylvania	0	42	--	189	--	.	--
East North Central	**9**	**179**	**--**	**19**	**--**	**.**	**474**
Illinois	22	372	--	14	--	.	716
Indiana	11	1,284	--	175	--	.	--
Michigan	0	151	--	22	--	.	--
Ohio	136	226	--	93	--	.	--
Wisconsin	88	659	--	82	--	.	510
West North Central	**17**	**102**	**0**	**63**	**--**	**.**	**--**
Iowa	29	561	0	261	--	.	--
Minnesota	106	110	--	66	--	.	--
Missouri	0	300	--	0	--	.	--
Nebraska	--	--	--	389	--	.	--
North Dakota	--	570	--	--	--	.	--
South Dakota	--	603	--	--	--	.	--
South Atlantic	**50**	**117**	**--**	**66**	**--**	**.**	**130**
District of Columbia	--	0	--	138	--	.	--
Florida	--	0	--	236	--	.	--
Georgia	--	73	--	0	--	.	--
Maryland	0	3,136	--	84	--	.	--
North Carolina	0	211	--	0	--	.	130
South Carolina	--	124	--	0	--	.	0
Virginia	959	81	--	--	--	.	--
East South Central	**81**	**0**	**--**	**124**	**--**	**.**	**--**
Mississippi	--	--	--	434	--	.	--
Tennessee	81	0	--	113	--	.	--
West South Central	**--**	**188**	**--**	**48**	**--**	**.**	**--**
Arkansas	--	--	--	2,531	--	.	--
Louisiana	--	--	--	316	--	.	--
Oklahoma	--	121	--	171	--	.	--
Texas	--	278	--	45	--	.	--
Mountain	**--**	**360**	**--**	**48**	**--**	**.**	**--**
Arizona	--	360	--	84	--	.	--
Colorado	--	0	--	0	--	.	--
Nevada	--	--	--	87	--	.	--
New Mexico	--	--	--	78	--	.	--
Utah	--	0	--	925	--	.	--
Pacific Contiguous	**--**	**135**	**--**	**18**	**0**	**.**	**203**
California	--	85	--	18	0	.	203
Oregon	--	702	--	112	--	.	--
Washington	--	770	--	323	--	.	--
Pacific Noncontiguous	**10**	**54**	**--**	**360**	**--**	**.**	**--**
Alaska	10	132	--	360	--	.	--
Hawaii	--	0	--	--	--	.	--
U.S. Total	**8**	**31**	**0**	**11**	**0**	**.**	**197**

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**.**	**.**	**.**	**541**	**73**	**.**	**28**	**24**
Connecticut	.	.	.	--	--	.	--	81
Maine	.	.	.	--	82	.	28	45
Massachusetts	.	.	.	541	116	.	--	21
New Hampshire	.	.	.	--	0	.	--	90
Rhode Island	.	.	.	--	--	.	--	181
Vermont	.	.	.	--	223	.	--	184
Middle Atlantic	**.**	**.**	**.**	**207**	**26**	**.**	**8**	**15**
New Jersey	.	.	.	223	33	.	0	27
New York	.	.	.	563	63	.	21	21
Pennsylvania	.	.	.	0	25	.	0	29
East North Central	**.**	**.**	**.**	**418**	**38**	**.**	**12**	**13**
Illinois	.	.	.	--	0	.	--	12
Indiana	.	.	.	--	176	.	63	36
Michigan	.	.	.	--	36	.	12	14
Ohio	.	.	.	418	418	.	--	90
Wisconsin	.	.	.	--	254	.	1,237	87
West North Central	**.**	**.**	**.**	**--**	**87**	**.**	**54**	**22**
Iowa	.	.	.	--	144	.	--	33
Minnesota	.	.	.	--	109	.	54	46
Missouri	.	.	.	--	--	.	0	*
Nebraska	.	.	.	--	246	.	--	212
North Dakota	.	.	.	--	--	.	--	570
South Dakota	.	.	.	--	--	.	--	603
South Atlantic	**.**	**.**	**.**	**288**	**36**	**.**	**12**	**25**
Delaware	.	.	.	--	173	.	--	173
District of Columbia	.	.	.	--	--	.	--	138
Florida	.	.	.	591	140	.	--	139
Georgia	.	.	.	398	163	.	--	155
Maryland	.	.	.	591	97	.	396	66
North Carolina	.	.	.	--	--	.	--	14
South Carolina	.	.	.	--	--	.	--	14
Virginia	.	.	.	--	37	.	12	22
East South Central	**.**	**.**	**.**	**--**	**--**	**.**	**0**	**106**
Mississippi	.	.	.	--	--	.	0	434
Tennessee	.	.	.	--	--	.	--	94
West South Central	**.**	**.**	**.**	**499**	**136**	**.**	**--**	**46**
Arkansas	.	.	.	--	394	.	--	421
Louisiana	.	.	.	--	--	.	--	316
Oklahoma	.	.	.	--	--	.	--	169
Texas	.	.	.	499	145	.	--	43
Mountain	**.**	**.**	**.**	**137**	**97**	**.**	**--**	**43**
Arizona	.	.	.	418	310	.	--	82
Colorado	.	.	.	370	128	.	--	128
Nevada	.	.	.	149	149	.	--	77
New Mexico	.	.	.	--	311	.	--	76
Utah	.	.	.	--	--	.	--	925
Pacific Contiguous	**.**	**.**	**.**	**114**	**23**	**.**	**0**	**14**
California	.	.	.	114	23	.	0	14
Oregon	.	.	.	--	171	.	--	97
Washington	.	.	.	--	0	.	--	313
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**0**	**.**	**0**	**5**
Alaska	.	.	.	--	--	.	--	11
Hawaii	.	.	.	--	0	.	0	0
U.S. Total	**.**	**.**	**.**	**77**	**15**	**.**	**5**	**7**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**--**	**13**	**--**	**7**	**--**	**.**	**147**
Connecticut	--	277	--	17	--	.	--
Maine	--	80	--	334	--	.	--
Massachusetts	--	13	--	5	--	.	147
New Hampshire	--	30	--	--	--	.	--
Rhode Island	--	107	--	34	--	.	--
Vermont	--	104	--	--	--	.	--
Middle Atlantic	**76**	**16**	**--**	**7**	**107**	**.**	**150**
New Jersey	--	93	--	22	107	.	--
New York	0	18	--	7	--	.	150
Pennsylvania	76	20	--	30	--	.	--
East North Central	**3**	**44**	**--**	**6**	**--**	**.**	**127**
Illinois	10	56	--	4	--	.	545
Indiana	4	408	--	33	--	.	--
Michigan	0	29	--	10	--	.	--
Ohio	75	100	--	18	--	.	--
Wisconsin	32	681	--	27	--	.	128
West North Central	**7**	**68**	**0**	**14**	**--**	**.**	**--**
Iowa	10	205	0	81	--	.	--
Minnesota	43	75	--	23	--	.	--
Missouri	0	133	--	0	--	.	--
Nebraska	--	--	--	129	--	.	--
North Dakota	--	253	--	--	--	.	--
South Dakota	--	268	--	--	--	.	--
South Atlantic	**17**	**38**	**--**	**17**	**--**	**.**	**52**
District of Columbia	--	0	--	108	--	.	--
Florida	--	0	--	56	--	.	--
Georgia	--	32	--	0	--	.	--
Maryland	0	1,083	--	18	--	.	--
North Carolina	0	106	--	0	--	.	52
South Carolina	--	55	--	166	--	.	556
Virginia	58	6	--	--	--	.	--
East South Central	**29**	**0**	**--**	**24**	**--**	**.**	**--**
Mississippi	--	--	--	82	--	.	--
Tennessee	29	0	--	23	--	.	--
West South Central	**--**	**74**	**--**	**10**	**--**	**.**	**--**
Arkansas	--	--	--	462	--	.	--
Louisiana	--	--	--	59	--	.	--
Oklahoma	--	54	--	55	--	.	--
Texas	--	109	--	9	--	.	--
Mountain	**--**	**160**	**--**	**11**	**--**	**.**	**--**
Arizona	--	160	--	19	--	.	--
Colorado	--	0	--	0	--	.	--
Nevada	--	--	--	20	--	.	--
New Mexico	--	--	--	18	--	.	--
Utah	--	0	--	118	--	.	--
Pacific Contiguous	**--**	**131**	**--**	**4**	**0**	**.**	**123**
California	--	51	--	4	0	.	123
Oregon	--	229	--	39	--	.	--
Washington	--	656	--	85	--	.	--
Pacific Noncontiguous	**3**	**57**	**--**	**115**	**--**	**.**	**--**
Alaska	3	94	--	115	--	.	--
Hawaii	--	0	--	--	--	.	--
U.S. Total	**3**	**10**	**0**	**3**	**107**	**.**	**56**

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

Table A.4.B. Relative Standard Error for Net Generation by Fuel Type:

Commercial Sector by Census Division and State, Year-to-Date through December 2012 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**.**	**.**	**.**	**94**	**10**	**.**	**9**	**5**
Connecticut	.	.	.	--	--	.	--	17
Maine	.	.	.	--	10	.	9	7
Massachusetts	.	.	.	94	39	.	--	5
New Hampshire	.	.	.	--	0	.	--	30
Rhode Island	.	.	.	--	--	.	--	33
Vermont	.	.	.	--	68	.	--	59
Middle Atlantic	**.**	**.**	**.**	**28**	**4**	**.**	**2**	**3**
New Jersey	.	.	.	29	4	.	0	5
New York	.	.	.	118	11	.	8	5
Pennsylvania	.	.	.	252	3	.	0	6
East North Central	**.**	**.**	**.**	**246**	**4**	**.**	**4**	**4**
Illinois	.	.	.	--	1,113	.	--	4
Indiana	.	.	.	--	23	.	21	8
Michigan	.	.	.	--	4	.	3	4
Ohio	.	.	.	246	246	.	--	18
Wisconsin	.	.	.	--	30	.	470	23
West North Central	**.**	**.**	**.**	**--**	**13**	**.**	**18**	**7**
Iowa	.	.	.	--	19	.	--	9
Minnesota	.	.	.	--	23	.	18	16
Missouri	.	.	.	--	--	.	0	*
Nebraska	.	.	.	--	30	.	--	38
North Dakota	.	.	.	--	--	.	--	253
South Dakota	.	.	.	--	--	.	--	268
South Atlantic	**.**	**.**	**.**	**70**	**5**	**.**	**4**	**5**
Delaware	.	.	.	--	56	.	--	56
District of Columbia	.	.	.	--	--	.	--	108
Florida	.	.	.	175	18	.	--	30
Georgia	.	.	.	101	22	.	--	21
Maryland	.	.	.	117	13	.	140	13
North Carolina	.	.	.	--	--	.	--	8
South Carolina	.	.	.	--	--	.	--	138
Virginia	.	.	.	--	5	.	4	4
East South Central	**.**	**.**	**.**	**--**	**--**	**.**	**0**	**21**
Mississippi	.	.	.	--	--	.	0	82
Tennessee	.	.	.	--	--	.	--	20
West South Central	**.**	**.**	**.**	**173**	**17**	**.**	**--**	**9**
Arkansas	.	.	.	--	49	.	--	61
Louisiana	.	.	.	--	--	.	--	59
Oklahoma	.	.	.	--	--	.	--	54
Texas	.	.	.	173	18	.	--	9
Mountain	**.**	**.**	**.**	**15**	**13**	**.**	**--**	**9**
Arizona	.	.	.	82	48	.	--	18
Colorado	.	.	.	30	24	.	--	20
Nevada	.	.	.	16	16	.	--	14
New Mexico	.	.	.	--	73	.	--	18
Utah	.	.	.	--	--	.	--	118
Pacific Contiguous	**.**	**.**	**.**	**22**	**3**	**.**	**0**	**3**
California	.	.	.	22	3	.	0	3
Oregon	.	.	.	--	22	.	--	26
Washington	.	.	.	--	0	.	--	85
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**0**	**.**	**0**	**2**
Alaska	.	.	.	--	--	.	--	4
Hawaii	.	.	.	--	0	.	0	0
U.S. Total	**.**	**.**	**.**	**12**	**2**	**.**	**2**	**2**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**36**	**33**	**--**	**15**	**--**	**.**	**13**
Connecticut	--	244	--	84	--	.	--
Maine	0	22	--	13	--	.	12
Massachusetts	72	4,684	--	108	--	.	357
New Hampshire	--	3,596	--	235	--	.	400
Vermont	--	--	--	--	--	.	176
Middle Atlantic	**10**	**8**	**155**	**30**	**16**	**.**	**101**
New Jersey	--	621	--	53	81	.	--
New York	0	3	--	58	--	.	101
Pennsylvania	13	106	155	44	11	.	--
East North Central	**4**	**20**	**26**	**27**	**12**	**.**	**98**
Illinois	5	2,514	--	63	58	.	--
Indiana	62	19	--	44	9	.	--
Michigan	22	0	169	44	--	.	242
Ohio	11	0	0	147	74	.	--
Wisconsin	8	632	0	40	--	.	107
West North Central	**6**	**117**	**0**	**48**	**152**	**.**	**141**
Iowa	6	275	0	134	--	.	--
Kansas	--	--	--	0	--	.	--
Minnesota	15	165	--	69	--	.	141
Missouri	56	0	--	939	--	.	--
Nebraska	23	--	--	125	--	.	--
North Dakota	44	178	--	144	152	.	--
South Atlantic	**11**	**16**	**0**	**18**	**0**	**.**	**12**
Delaware	--	--	--	0	0	.	--
Florida	60	48	--	32	0	.	--
Georgia	16	30	0	36	--	.	184
Maryland	0	0	--	142	0	.	--
North Carolina	52	84	--	82	--	.	21
South Carolina	0	0	--	46	--	.	--
Virginia	23	20	--	79	--	.	259
West Virginia	5	--	--	591	0	.	0
East South Central	**5**	**28**	**--**	**16**	**13**	**.**	**17**
Alabama	30	30	--	22	13	.	--
Kentucky	--	--	--	77	--	.	--
Mississippi	0	0	--	22	--	.	--
Tennessee	3	293	--	69	0	.	17
West South Central	**62**	**36**	**8**	**4**	**4**	**.**	**--**
Arkansas	0	877	0	66	--	.	--
Louisiana	0	0	77	4	4	.	--
Oklahoma	126	0	0	189	--	.	--
Texas	0	304	3	5	7	.	--
Mountain	**26**	**260**	**--**	**16**	**9**	**.**	**--**
Arizona	157	271	--	158	--	.	--
Colorado	--	1,885	--	184	--	.	--
Idaho	48	--	--	23	--	.	--
Montana	132	0	--	0	0	.	--
Nevada	--	--	--	51	--	.	--
New Mexico	--	0	--	97	--	.	--
Utah	0	--	--	44	88	.	--
Wyoming	21	966	--	12	7	.	--
Pacific Contiguous	**0**	**36**	**0**	**6**	**6**	**.**	**757**
California	0	64	0	6	6	.	--
Oregon	--	0	--	57	--	.	--
Washington	0	40	--	0	--	.	757
Pacific Noncontiguous	**0**	**19**	**--**	**91**	**91**	**.**	**197**
Alaska	--	14	--	91	696	.	--
Hawaii	0	28	--	--	84	.	197
U.S. Total	**4**	**8**	**8**	**3**	**5**	**.**	**12**

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	.	.	.	--	**2**	.	**8**	**7**
Connecticut	.	.	.	--	--	.	284	83
Maine	.	.	.	--	2	.	0	5
Massachusetts	.	.	.	--	--	.	--	85
New Hampshire	.	.	.	--	448	.	--	205
Vermont	.	.	.	--	--	.	--	176
Middle Atlantic	.	.	.	**311**	**6**	.	**0**	**10**
New Jersey	.	.	.	591	591	.	0	46
New York	.	.	.	--	5	.	--	15
Pennsylvania	.	.	.	365	9	.	--	11
East North Central	.	.	.	--	**6**	.	**7**	**5**
Illinois	.	.	.	--	0	.	17	9
Indiana	.	.	.	--	196	.	0	10
Michigan	.	.	.	--	8	.	0	13
Ohio	.	.	.	--	14	.	0	17
Wisconsin	.	.	.	--	10	.	52	9
West North Central	.	.	.	--	**9**	.	**44**	**6**
Iowa	.	.	.	--	0	.	--	7
Kansas	.	.	.	--	--	.	--	0
Minnesota	.	.	.	--	7	.	44	12
Missouri	.	.	.	--	483	.	--	70
Nebraska	.	.	.	--	--	.	--	25
North Dakota	.	.	.	--	494	.	--	50
South Atlantic	.	.	.	--	**2**	.	**3**	**4**
Delaware	.	.	.	--	--	.	--	0
Florida	.	.	.	--	8	.	4	10
Georgia	.	.	.	--	3	.	6	8
Maryland	.	.	.	--	0	.	--	20
North Carolina	.	.	.	--	5	.	0	10
South Carolina	.	.	.	--	0	.	0	1
Virginia	.	.	.	--	4	.	0	11
West Virginia	.	.	.	--	--	.	0	4
East South Central	.	.	.	--	**3**	.	**133**	**4**
Alabama	.	.	.	--	4	.	0	6
Kentucky	.	.	.	--	4	.	--	34
Mississippi	.	.	.	--	3	.	185	12
Tennessee	.	.	.	--	8	.	0	4
West South Central	.	.	.	--	**4**	.	**10**	**3**
Arkansas	.	.	.	--	2	.	0	7
Louisiana	.	.	.	--	4	.	8	4
Oklahoma	.	.	.	--	32	.	99	49
Texas	.	.	.	--	13	.	15	5
Mountain	.	.	.	**1,582**	**9**	.	**8**	**9**
Arizona	.	.	.	--	--	.	--	124
Colorado	.	.	.	--	294	.	40	52
Idaho	.	.	.	--	8	.	0	10
Montana	.	.	.	--	--	.	--	132
Nevada	.	.	.	1,582	1,582	.	--	51
New Mexico	.	.	.	--	--	.	--	97
Utah	.	.	.	--	--	.	0	21
Wyoming	.	.	.	--	--	.	0	9
Pacific Contiguous	.	.	.	**428**	**5**	.	**8**	**5**
California	.	.	.	428	12	.	9	5
Oregon	.	.	.	--	8	.	0	13
Washington	.	.	.	--	6	.	0	5
Pacific Noncontiguous	.	.	.	--	**84**	.	**--**	**40**
Alaska	.	.	.	--	581	.	--	55
Hawaii	.	.	.	--	84	.	--	50
U.S. Total	.	.	.	**251**	**2**	.	**4**	**2**

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

Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:

Industrial Sector by Census Division and State, Year-to-Date through December 2012

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**13**	**8**	**--**	**3**	**--**	**.**	**6**
Connecticut	--	74	--	15	--	.	--
Maine	0	5	--	3	--	.	6
Massachusetts	24	1,362	--	18	--	.	141
New Hampshire	--	1,247	--	47	--	.	147
Vermont	--	--	--	--	--	.	77
Middle Atlantic	**3**	**3**	**57**	**6**	**4**	**.**	**44**
New Jersey	--	136	--	11	15	.	--
New York	0	1	--	13	--	.	44
Pennsylvania	4	37	57	9	3	.	--
East North Central	**1**	**13**	**10**	**6**	**3**	**.**	**28**
Illinois	2	1,189	--	12	11	.	--
Indiana	20	9	--	8	2	.	--
Michigan	9	0	50	13	--	.	71
Ohio	5	0	212	28	14	.	--
Wisconsin	2	187	0	19	--	.	31
West North Central	**2**	**92**	**0**	**18**	**29**	**.**	**35**
Iowa	2	122	0	62	--	.	--
Kansas	--	--	--	59	--	.	--
Minnesota	5	136	--	25	--	.	35
Missouri	21	0	--	167	--	.	--
Nebraska	8	--	--	41	--	.	--
North Dakota	14	133	--	49	29	.	--
South Atlantic	**3**	**6**	**0**	**4**	**3**	**.**	**3**
Delaware	--	--	--	0	0	.	--
Florida	17	20	--	6	0	.	--
Georgia	4	9	0	9	--	.	82
Maryland	0	11	--	15	9	.	--
North Carolina	16	26	--	26	--	.	13
South Carolina	3	0	--	17	--	.	--
Virginia	6	11	--	14	--	.	109
West Virginia	2	--	--	85	0	.	*
East South Central	**1**	**17**	**--**	**4**	**4**	**.**	**11**
Alabama	9	20	--	4	4	.	--
Kentucky	--	--	--	16	--	.	--
Mississippi	0	0	--	11	--	.	--
Tennessee	1	87	--	15	0	.	11
West South Central	**11**	**17**	**4**	**1**	**2**	**.**	**--**
Arkansas	0	76	0	13	--	.	--
Louisiana	154	0	28	1	2	.	--
Oklahoma	13	0	0	35	--	.	--
Texas	112	92	1	1	2	.	--
Mountain	**4**	**83**	**--**	**5**	**3**	**.**	**--**
Arizona	17	58	--	94	--	.	--
Colorado	--	837	--	39	--	.	--
Idaho	15	--	--	14	--	.	--
Montana	47	0	--	0	0	.	--
Nevada	--	--	--	11	--	.	--
New Mexico	--	0	--	19	--	.	--
Utah	0	--	--	8	29	.	--
Wyoming	6	750	--	5	2	.	--
Pacific Contiguous	**1**	**33**	**0**	**2**	**1**	**.**	**222**
California	2	39	0	2	1	.	--
Oregon	--	0	--	25	--	.	--
Washington	0	38	--	0	--	.	222
Pacific Noncontiguous	**43**	**10**	**--**	**32**	**27**	**.**	**56**
Alaska	--	6	--	32	133	.	--
Hawaii	43	13	--	--	27	.	56
U.S. Total	**1**	**4**	**3**	**1**	**1**	**.**	**5**

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**.**	**.**	**.**	**--**	**1**	**.**	**3**	**2**
Connecticut	.	.	.	--	--	.	95	15
Maine	.	.	.	--	1	.	0	1
Massachusetts	.	.	.	--	--	.	--	16
New Hampshire	.	.	.	--	172	.	--	45
Vermont	.	.	.	--	--	.	--	77
Middle Atlantic	**.**	**.**	**.**	**47**	**2**	**.**	**0**	**2**
New Jersey	.	.	.	116	116	.	0	9
New York	.	.	.	--	2	.	--	4
Pennsylvania	.	.	.	51	3	.	--	3
East North Central	**.**	**.**	**.**	**--**	**1**	**.**	**2**	**1**
Illinois	.	.	.	--	0	.	6	2
Indiana	.	.	.	--	24	.	0	2
Michigan	.	.	.	--	2	.	0	4
Ohio	.	.	.	--	3	.	0	4
Wisconsin	.	.	.	--	2	.	19	3
West North Central	**.**	**.**	**.**	**--**	**2**	**.**	**15**	**2**
Iowa	.	.	.	--	0	.	--	2
Kansas	.	.	.	--	--	.	--	59
Minnesota	.	.	.	--	2	.	15	4
Missouri	.	.	.	--	60	.	--	20
Nebraska	.	.	.	--	--	.	--	8
North Dakota	.	.	.	--	47	.	--	13
South Atlantic	**.**	**.**	**.**	**--**	**1**	**.**	**1**	**1**
Delaware	.	.	.	--	--	.	--	0
Florida	.	.	.	--	2	.	1	2
Georgia	.	.	.	--	1	.	2	2
Maryland	.	.	.	--	0	.	--	4
North Carolina	.	.	.	--	1	.	0	3
South Carolina	.	.	.	--	0	.	0	1
Virginia	.	.	.	--	1	.	0	3
West Virginia	.	.	.	--	--	.	0	1
East South Central	**.**	**.**	**.**	**--**	**1**	**.**	**50**	**1**
Alabama	.	.	.	--	1	.	0	1
Kentucky	.	.	.	--	1	.	--	8
Mississippi	.	.	.	--	1	.	61	3
Tennessee	.	.	.	--	2	.	0	1
West South Central	**.**	**.**	**.**	**--**	**1**	**.**	**3**	**1**
Arkansas	.	.	.	--	1	.	0	2
Louisiana	.	.	.	--	1	.	2	1
Oklahoma	.	.	.	--	6	.	34	8
Texas	.	.	.	--	2	.	5	1
Mountain	**.**	**.**	**.**	**105**	**1**	**.**	**4**	**2**
Arizona	.	.	.	--	--	.	--	17
Colorado	.	.	.	--	74	.	13	14
Idaho	.	.	.	--	1	.	0	3
Montana	.	.	.	--	--	.	--	47
Nevada	.	.	.	105	105	.	--	11
New Mexico	.	.	.	--	--	.	--	19
Utah	.	.	.	--	--	.	0	2
Wyoming	.	.	.	--	--	.	0	3
Pacific Contiguous	**.**	**.**	**.**	**115**	**2**	**.**	**3**	**1**
California	.	.	.	115	3	.	3	1
Oregon	.	.	.	--	2	.	0	6
Washington	.	.	.	--	2	.	5	2
Pacific Noncontiguous	**.**	**.**	**.**	**--**	**10**	**.**	**--**	**9**
Alaska	.	.	.	--	68	.	--	18
Hawaii	.	.	.	--	10	.	--	10
U.S. Total	**.**	**.**	**.**	**42**	*****	**.**	**1**	*****

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

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

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

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	*****	*****	*****
Connecticut	*	*	1	0	*
Maine	*	*	*	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	0	0	2	*
Vermont	1	1	1	0	1
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	*	*	1	*	*
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	**1**	*****
Illinois	*	*	*	1	*
Indiana	*	*	*	0	*
Michigan	*	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	1	0	*
West North Central	*****	*****	*****	**0**	*****
Iowa	1	1	1	0	*
Kansas	*	*	1	0	*
Minnesota	*	*	1	0	*
Missouri	*	*	1	0	*
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	*****	*****	*****	*****	*****
Delaware	*	*	1	0	*
District of Columbia	0	0	0	0	0
Florida	*	*	1	0	*
Georgia	*	*	*	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	*	0	*
South Carolina	*	*	*	0	*
Virginia	*	*	*	0	*
West Virginia	*	*	*	7	*
East South Central	*****	*****	*****	**0**	*****
Alabama	*	*	*	0	*
Kentucky	*	1	*	0	*
Mississippi	1	1	*	0	*
Tennessee	*	1	1	0	*
West South Central	*****	*****	*****	*****	*****
Arkansas	*	1	*	56	*
Louisiana	*	*	*	0	*
Oklahoma	*	*	1	0	*
Texas	*	*	*	0	*
Mountain	*****	*****	*****	**0**	*****
Arizona	*	*	1	0	*
Colorado	*	*	2	0	1
Idaho	*	*	1	0	*
Montana	1	1	1	0	1
Nevada	*	*	*	0	*
New Mexico	1	1	2	0	1
Utah	*	*	1	0	*
Wyoming	1	1	1	0	*
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	*	*	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	*****	*****	**1**	**0**	*****
Alaska	1	1	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	*****	*****

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	**1**	**0**	*****
Connecticut	*	*	2	0	*
Maine	*	*	1	0	*
Massachusetts	1	*	1	0	*
New Hampshire	*	*	2	0	*
Rhode Island	0	1	0	0	*
Vermont	1	1	3	0	1
Middle Atlantic	*****	*****	**1**	**0**	*****
New Jersey	*	*	3	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	1	0	*
East North Central	*****	*****	**1**	**0**	*****
Illinois	1	*	1	0	*
Indiana	1	1	1	0	*
Michigan	1	*	1	0	*
Ohio	*	*	1	0	*
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**1**	**0**	*****
Iowa	2	2	3	0	1
Kansas	2	2	2	0	1
Minnesota	2	1	2	0	1
Missouri	1	1	2	0	1
Nebraska	2	2	3	0	1
North Dakota	2	1	4	0	1
South Dakota	3	2	4	0	2
South Atlantic	**1**	*****	**1**	**5**	*****
Delaware	1	1	4	0	1
District of Columbia	0	1	0	13	1
Florida	1	1	2	0	1
Georgia	2	1	2	0	1
Maryland	*	*	1	0	*
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	1	2	0	1
West Virginia	*	*	*	0	*
East South Central	**1**	**1**	**1**	**0**	*****
Alabama	2	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	3	2	2	0	2
Tennessee	1	1	2	0	1
West South Central	**1**	**1**	**1**	**1**	**1**
Arkansas	3	2	2	174	1
Louisiana	2	1	1	0	1
Oklahoma	2	2	2	0	1
Texas	1	1	1	0	1
Mountain	**1**	*****	**1**	**0**	*****
Arizona	1	1	3	0	1
Colorado	2	1	4	0	1
Idaho	1	1	2	0	1
Montana	2	1	4	0	1
Nevada	1	1	1	0	*
New Mexico	2	2	7	0	2
Utah	2	1	2	0	1
Wyoming	3	2	1	0	1
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	2	0	*
Oregon	1	1	3	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	*****
Alaska	3	2	3	0	2
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	**1**	*****

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	*****	*****	*****
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	*	0	1	*
Vermont	1	1	2	0	*
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	*	*	1	*	*
Pennsylvania	*	*	*	*	*
East North Central	*****	*****	*****	**1**	*****
Illinois	*	*	1	1	*
Indiana	*	*	*	0	*
Michigan	*	*	*	0	*
Ohio	*	*	1	0	*
Wisconsin	*	*	1	0	*
West North Central	*****	*****	**1**	**0**	*****
Iowa	1	1	1	0	*
Kansas	1	1	1	0	*
Minnesota	*	*	1	0	*
Missouri	*	*	1	0	*
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	*****	*****	*****	**1**	*****
Delaware	*	*	2	0	*
District of Columbia	0	*	0	4	*
Florida	*	*	1	0	*
Georgia	*	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	1	0	*
South Carolina	*	*	1	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	6	*
East South Central	*****	*****	*****	**0**	*****
Alabama	*	1	1	0	*
Kentucky	*	1	1	0	*
Mississippi	1	1	1	0	*
Tennessee	*	*	1	0	*
West South Central	*****	*****	*****	*****	*****
Arkansas	1	1	1	51	*
Louisiana	*	*	*	0	*
Oklahoma	1	1	1	0	*
Texas	*	*	*	0	*
Mountain	*****	*****	**1**	**0**	*****
Arizona	*	*	2	0	*
Colorado	*	*	3	0	1
Idaho	*	*	1	0	*
Montana	1	1	2	0	1
Nevada	*	*	1	0	*
New Mexico	1	1	5	0	1
Utah	1	1	2	0	*
Wyoming	1	1	1	0	*
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	*	*	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	*****	*****	*****	**0**	*****
Alaska	1	1	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	*****	*****

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	**1**	**0**	*****
Connecticut	*	*	2	0	*
Maine	*	*	1	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	1	0	0	*
Vermont	1	1	2	0	1
Middle Atlantic	*****	*****	*****	**0**	*****
New Jersey	*	*	3	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	*	0	*
East North Central	*****	*****	*****	**0**	*****
Illinois	*	*	1	0	*
Indiana	*	*	1	0	*
Michigan	*	*	*	0	*
Ohio	*	*	1	0	*
Wisconsin	1	*	1	0	*
West North Central	*****	*****	**1**	**0**	*****
Iowa	1	1	1	0	1
Kansas	1	1	2	0	1
Minnesota	1	1	1	0	*
Missouri	*	*	1	0	*
Nebraska	1	1	2	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	*****	*****	*****	**5**	*****
Delaware	*	1	2	0	1
District of Columbia	0	1	0	13	1
Florida	*	*	1	0	*
Georgia	1	1	1	0	1
Maryland	*	*	1	0	*
North Carolina	1	1	1	0	*
South Carolina	1	1	1	0	1
Virginia	*	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	*****	*****	*****	**0**	*****
Alabama	1	1	1	0	*
Kentucky	1	*	1	0	*
Mississippi	1	2	1	0	1
Tennessee	*	*	1	0	*
West South Central	*****	*****	**1**	**1**	*****
Arkansas	1	2	1	98	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	2	0	1
Texas	*	1	1	0	*
Mountain	*****	*****	**1**	**0**	*****
Arizona	*	*	2	0	*
Colorado	*	1	3	0	1
Idaho	1	1	1	0	*
Montana	1	1	2	0	1
Nevada	*	*	1	0	*
New Mexico	1	1	4	0	1
Utah	1	1	1	0	*
Wyoming	1	1	1	0	1
Pacific Contiguous	*****	*****	**1**	**0**	*****
California	*	*	1	0	*
Oregon	1	1	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	**1**	**1**	**1**	**0**	*****
Alaska	1	1	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	**1**	*****

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	*****	*****	*****	*****	*****
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	*	0	2	*
Vermont	*	1	2	0	*
Middle Atlantic	*****	*****	*****	*****	*****
New Jersey	*	*	1	0	*
New York	*	*	1	*	*
Pennsylvania	*	*	*	*	*
East North Central	**0**	*****	*****	**1**	*****
Illinois	*	*	1	1	*
Indiana	0	*	*	0	*
Michigan	0	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	0	*	1	0	*
West North Central	**0**	*****	**1**	**0**	*****
Iowa	0	1	1	0	*
Kansas	*	1	1	0	*
Minnesota	0	*	1	0	*
Missouri	0	*	1	0	*
Nebraska	0	1	1	0	*
North Dakota	0	1	2	0	1
South Dakota	0	1	2	0	1
South Atlantic	*****	*****	*****	**1**	*****
Delaware	*	1	2	0	*
District of Columbia	0	*	0	4	*
Florida	*	*	1	0	*
Georgia	*	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	1	0	*
South Carolina	*	1	1	0	*
Virginia	*	*	1	0	*
West Virginia	0	*	*	2	*
East South Central	*****	*****	*****	**0**	*****
Alabama	*	1	1	0	*
Kentucky	0	1	1	0	*
Mississippi	*	1	1	0	*
Tennessee	0	1	1	0	*
West South Central	*****	*****	*****	*****	*****
Arkansas	*	1	1	65	*
Louisiana	*	1	*	0	*
Oklahoma	*	1	1	0	*
Texas	*	*	*	0	*
Mountain	**0**	*****	**1**	**0**	*****
Arizona	0	*	2	0	*
Colorado	0	1	3	0	1
Idaho	0	1	1	0	*
Montana	0	1	2	0	*
Nevada	0	*	1	0	*
New Mexico	0	1	5	0	1
Utah	0	1	2	0	*
Wyoming	0	1	1	0	*
Pacific Contiguous	**0**	*****	**1**	**0**	*****
California	0	*	1	0	*
Oregon	0	*	1	0	*
Washington	0	*	1	0	*
Pacific Noncontiguous	*****	*****	**1**	**0**	*****
Alaska	*	1	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	*****	*****	*****	*****	*****

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

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2012

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

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2012

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

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

Table B.2 Major Disturbances and Unusual Occurrences, 2011

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

Table B.2 Major Disturbances and Unusual Occurrences, 2011

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

Table B.2 Major Disturbances and Unusual Occurrences, 2011

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

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

Appendix C

Technical notes

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

Data quality

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

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

Reliability of data

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

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

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

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

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

Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is approxi-mately a 68 percent chance that the true total or mean is within one RSE of the estimated total or mean. Note that reported RSEs are always estimates themselves, and are usually, as here, reported as percentages. As an example, suppose that a net generation from coal value is estimated to be 1,507 million kilowatthours with an estimated RSE of 4.9 percent. This means that, ignoring any non-sampling error, there is approximately a 68 percent chance that the true million kilowatthour value is within approximately 4.9 percent of 1,507 million kilowatthours (that is, between 1,433 and 1,581 million kilowatthours). Also under the Central Limit Theorem, there is approxi-mately a 95 percent chance that the true mean or total is within 2 RSEs of the estimated mean or total.

Note that there are times when a model may not apply, such as in the case of a substantial reclassification of sales, when the relationship between the variable of interest and the regressor data does not hold. In such a case, the new information may represent only itself, and such numbers are added to model results when estimating totals. Further, there are times when sample data may be known to be in error, or are not reported. Such cases are treated as if they were never part of the model-based sample, and values are imputed. Experiments were done to see if nonresponse should be treated differently, but it was decided to treat those cases the same as out-of-sample cases.

Relative Standard Error With Respect to a Superpopulation: The RSESP statistic is similar to the RSE (described above). Like the RSE, it is a statistic designed to estimate the variability of data and is usually given as a percentage. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from sampling and non-sampling errors. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample21,24. In addition to being a measure of data variability, the RSESP can also be useful in comparing different models that are applied to the same set of data22. This capability is used to test different regression models for imputation and prediction. This testing may include considerations such as comparing different regressors, the comparative reliability of different monthly samples, or the use of different geographical strata or groupings for a given model. For testing purposes, ERUS typically uses recent historical data that have been finalized. Typically, time-series graphics showing two or more models or samples are generated showing the RSESP values over time. In selecting models, consideration is given to total survey error as well as any apparent differences in robustness.

Imputation: For monthly data, if the reported values appeared to be in error and the data issue could not be resolved with the respondent, or if the facility was a nonrespondent, a regression methodology is used to impute for the facility. The same procedure is used to estimate ("predict") data for facilities not in the monthly sample. The regression methodology relies on other data to make estimates for erroneous or missing responses.

Estimation for missing monthly data is accomplished by relating the observed data each month to one or more other data elements (regressors) for which we generally have an annual census. Each year, when new annual regressor data are available, recent monthly relationships are updated, causing slight revisions to estimated monthly results. These revisions are made as soon as the annual data are released.

The basic technique employed is described in the paper "Model-Based Sampling and Inference16," on the EIA website. Additional references can be found on the InterStat website (http://interstat.statjournals.net/). The basis for the current methodology involves a 'borrowing of strength' technique for small domains.

Data revision procedure

ERUS has adopted the following policy with respect to the revision and correction of recurrent data in energy publications:

- Annual survey data are disseminated either as preliminary or final when first appearing in a data product. Data initially released as preliminary will be so noted in the data product. These data are typically released as final by the next dissemination of the same product; however, if final data are available at an earlier interval they may be released in another product.
- All monthly survey data are first disseminated as preliminary. These data are revised after the prior year's data are finalized and are disseminated as revised preliminary. No revisions are made to the published data before this or subsequent to these data being finalized unless significant errors are discovered.
- After data are disseminated as final, further revisions will be considered if they make a difference of 1 percent or greater at the national level. Revisions for differences that do not meet the 1 percent or greater threshold will be determined by the Office Director. In either case, the proposed revision will be subject to the EIA revision policy concerning how it affects other EIA products.
- The magnitudes of changes due to revisions experienced in the past will be included periodically in the data products, so that the reader can assess the accuracy of the data.

Data sources for Electric Power Monthly

Data published in the EPM are compiled from the following sources:

- Form EIA-923, "Power Plant Operations Report,"
- Form EIA 826, "Monthly Electric Utility Sales and Revenues with State Distributions Report,"
- Form EIA 860, "Annual Electric Generator Report,"
- Form EIA-860M, "Monthly Update to the Annual Electric Generator Report," and

- Form EIA 861, "Annual Electric Power Industry Report."

For access to these forms and their instructions, please see:
http://www.eia.gov/cneaf/electricity/page/forms.html.

In addition to the above-named forms, the historical data published in the EPM for periods prior to 2008 are compiled from the following sources:

- FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants,"
- Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report,"
- Form EIA-759, "Monthly Power Plant Report,"
- Form EIA-860A, "Annual Electric Generator Report–Utility,"
- Form EIA-860B, "Annual Electric Generator Report–Nonutility,"
- Form EIA-900, "Monthly Nonutility Power Report,"
- Form EIA-906, "Power Plant Report," and
- Form EIA-920, "Combined Heat and Power Plant Report."

See Appendix A of the historical Electric Power Annual reports to find descriptions of forms that are no longer in use. The publications can be found from the top of the current EPA under previous issues: http://www.eia.gov/electricity/annual.

Rounding rules for data: To round a number to n digits (decimal places), add one unit to the nth digit if the (n+1) digit is 5 or larger and keep the nth digit unchanged if the (n+1) digit is less than 5. The symbol for a number rounded to zero is (*).

Percent difference: The following formula is used to calculate percent differences:

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

where $x\ (t_1)$ and $x\ (t_2)$ denote the quantity at year t_1 and subsequent year t_2.

Meanings of symbols appearing in tables: The following symbols have the meaning described below:

*	The value reported is less than half of the smallest unit of measure, but is greater than zero.
P	Indicates a preliminary value.
NM	Data value is not meaningful, either (1) when compared to the same value for the previous time period, or (2) when a data value is not meaningful due to having a high Relative Standard Error (RSE).
(*)	Usage of this symbol indicates a number rounded to zero.

Form EIA-826

The Form EIA 826, "Monthly Electric Utility Sales and Revenues with State Distributions Report," is a monthly collection of data from a sample of approximately 500 of the largest electric utilities (primarily investor owned and publicly owned) as well as a census of energy service providers with retail sales in deregulated States. Form EIA-861, with approximately 3,300 respondents, serves as a frame from which the Form 826 sample is drawn. Based on this sample, a model is used to estimate for the entire universe of U.S. electric utilities.

Instrument and design history: The collection of elec-tric power sales data and related information began in the early 1940's and was established as FPC Form 5 by FPC Order 141 in 1947. In 1980, the report was revised with only selected income items remaining and became the FERC Form 5. The Form EIA 826, "Electric Utility Company Monthly Statement," replaced the FERC Form 5 in January 1983. In January 1987, the "Electric Utility Company Monthly Statement" was changed to the "Monthly Electric Utility Sales and Revenue Report with State Distributions." The title was changed again in January 2002 to "Monthly Electric Utility Sales and Revenues with State Distributions Report" to become consistent with other EIA report titles. The Form EIA 826 was revised in January 1990, and some data elements were eliminated.

In 1993, EIA for the first time used a model sample for the Form EIA 826. A stratified random sample, employing auxiliary data, was used for each of the four previous years. The sample for the Form EIA 826 was designed to obtain estimates of electricity sales and average retail price of electricity at the State level by end use sector.

Starting with data for January 2001, the restructuring of the electric power industry was taken into account by forming three schedules on the Form EIA-826. Schedule 1, Part A is for full service utilities that operate as in the past. Schedule 1, Part B is for electric service providers only, and Schedule 1, Part C is for those utilities providing distribution service for those on Schedule 1, Part B. In addition, Schedule 1 Part D is for those retail energy providers or power marketers that provide bundled service. Also, the Form EIA-826 frame was modified to include all investor-owned electric utilities and a sample of companies from other ownership classes. A new method of estimation was implemented at this same time. (See EPM April 2001, p.1.)

With the October 2004 issue of the EPM, EIA published for the first time preliminary electricity sales data for the Transportation Sector. These data are for electricity delivered to and consumed by local, regional, and metropolitan transportation systems. The data being published for the first time in the October EPM included July 2004 data as well as year-to-date. EIA's efforts to develop these new data have identified anomalies in several States and the District of Columbia. Some of these anomalies are caused by issues such as: 1) Some respondents have classified themselves as outside the realm of the survey. The Form EIA-826 collects retail data from those respondents providing electricity and other services to the ultimate end users. EIA has experienced specific situations where, although the respondents' customers are the ultimate end users, particular end users qualify under wholesale rate schedules. 2) The Form EIA-826 is a cutoff sample and not intended to be a census.

Beginning with 2008 data and some annual 2007 data, the Form EIA-923 replaced Forms EIA-906, EIA-920, EIA-423, and FERC 423. In addition, several sections of the discontinued Form EIA-767 have been included in either the Form EIA-860 or Form EIA-923. See the following link for a detailed explanation. http://www.eia.gov/cneaf/electricity/2008forms/consolidate.html

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

Data processing and data system editing: Monthly Form EIA-826 submission is available via an Internet Data Collection (IDC) system. The completed data are due to EIA by the last calendar day of the month following the reporting month. Nonrespondents are contacted to obtain the data. The data are edited and additional checks are completed. Following verification, imputation is run, and tables and text of the aggregated data are produced for inclusion in the EPM.

Imputation: Regression prediction, or imputation, is done for entities not in the monthly sample and for any nonrespondents. Regressor data for Schedule 1, Part A is the average monthly sales or revenue from the most recent finalized data from survey Form EIA-861. Beginning with January 2008 data and the finalized 2007 data, the regressor data for Schedule 1 Parts B and C is the prior month's data.

Formulas and methodologies: The Form EIA 826 data are collected by end-use sector (residential, commercial, industrial, and transportation) and State. Form EIA 861 data are used as the frame from which the sample is selected and in some instances also as regressor data. Updates are made to the frame to reflect mergers that affect data processing.

With the revised definitions for the commercial and industrial sectors to include all data previously reported as 'other' data except transportation, and a separate transportation sector, all responses that would formerly have been reported under the "other" sector are now to be reported under one of the sectors that currently exist. This means there is probably a lower correlation, in general, between, say, commercial Form EIA-826 data for 2004 and commercial Form EIA-861 data for 2003 than there was between commercial Form EIA-826 data for 2003 and commercial Form EIA-861 data for 2002 or earlier years, although commercial and industrial definitions have always been somewhat nebulous due to power companies not having complete information on all customers.

Data submitted for January 2004 represent the first time respondents were to provide data specifically for the transportation end-use sector.

During 2003 transportation data were collected annually through Form EIA-861. Beginning in 2004 the transportation data were collected on a monthly basis via Form EIA-826. In order to develop an estimate of the monthly transportation data for 2003, values for both retail sales of electricity to ultimate customers and revenue from retail sales of electricity to ultimate customers were estimated using the 2004 monthly profile for the sales and revenues from the data collected via Form EIA-826. All monthly non-transportation data for 2003 (i.e. street lighting, etc.), which were previously reported in the "other" end-use sector on the Form EIA-826 have been prorated into the Commercial and Industrial end-use sectors based on the 2003 Form EIA-861 profile.

A monthly distribution factor was developed for the monthly data collected in 2004 (for the months of January through November). The transportation sales and revenues for December 2004 were assumed to be equivalent to the transportation sales and revenues for November 2004. The monthly distribution factors for January through November were applied to the annual values for transportation sales and revenues collected via Form EIA-861 to develop corresponding 2003 monthly values. The eleven month estimated totals from January through November 2003 were subtracted from the annual values obtained from Form EIA-861 in order to obtain the December 2003 values.

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate retail price of electricity at the State level. The estimates are accumulated separately to produce the Census division and U.S. level estimates[1].

Some electric utilities provide service in more than one State. To facilitate the estimation, the State service area is actually used as the sampling unit. For each State served by each utility, there is a utility State part, or "State service area." This approach allows for an explicit calculation of estimates for sales, revenue, and average retail price of electricity by end use sector at State, Census division, and national level. Estimation procedures include imputation to account for nonresponse. Non-sampling error must also be considered. The non-sampling error is not estimated directly, although attempts are made to minimize the non-sampling error.

Average retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average retail price of electricity is the operating revenue reported by the electric utility. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric utility operating revenues also include State and Federal income taxes and taxes other than income taxes paid by the utility.

The average retail price of electricity reported in this publication by sector represents a weighted average of consumer revenue and sales within sectors and across sectors for all consumers, and does not reflect the per kWh rate charged by the electric utility to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric utility for providing electrical service.

Adjusting monthly data to annual data: As a final adjustment based on our most complete data, use is made of final Form EIA-861 data, when available. The annual totals for Form EIA-826 data by State and end-use sector are compared to the corresponding Form EIA-861 values for sales and revenue. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

Sensitive data: Most of the data collected on the Form EIA-826 are not considered business sensitive. However, revenue, sales, and customer data collected from energy service providers (Schedule 1, Part B), which do not also provide energy delivery, are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Form EIA-860

The Form EIA 860, "Annual Electric Generator Report," is a mandatory annual census of all existing and planned electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. The survey is used to collect data on existing power plants and 10 year plans for constructing new plants, as well as generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generator level. Certain power plant environmental-related data are collected at the boiler level. These data include environmental equipment design parameters, boiler air emission standards, and boiler emission controls The Form EIA-860 is made available in January to collect data related to the previous year.

Instrument and design history: The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. It was preceded by several Federal Power Commission (FPC) forms including the FPC Form 4, Form 12 and 12E, Form 67, and Form EIA-411. In January 1999, the Form EIA-860 was renamed the Form EIA-860A, "Annual Electric Generator Report – Utility" and was implemented to collect data from electric utilities as of January 1, 1999.

In 1989, the Form EIA-867, "Annual Nonutility Power Producer Report," was initiated to collect plant data on unregulated entities with a total generator nameplate capacity of 5 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. In 1998, the Form EIA-867, was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility." The Form EIA-860B was a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts.

Beginning with data collected for the year 2001, the infrastructure data collected on the Form EIA-860A and the Form EIA-860B were combined into the new Form EIA-860 and the monthly and annual versions of the Form EIA-906.

Starting with 2007, design parameters data formerly collected on Form EIA-767 were collected on Form EIA-860. These include design parameters associated with certain steam-electric plants' boilers, cooling systems, flue gas particulate collectors, flue gas desulfurization units, and stacks and flues.

The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Estimation of form eia-860 data: EIA received forms from all 18,151 existing generators in the 2010 Form EIA-860 frame, so no imputation was required.

Prime Movers: The Form EIA-860 sometimes represents a generator's prime mover by using the abbrebiations in the table below.

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

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

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

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

Form EIA-860M

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

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

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

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

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

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

Form EIA-861

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

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

Data processing and data system editing: The Form EIA 861 is made available to the respondents in January of each year to collect data as of the end of the preceding calendar year. The data are edited when entered into the interactive on line system. Internal edit checks are per-formed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA 861 and similar data reported on the Form EIA 826. Respondents are telephoned to obtain clarification of reported data and to obtain missing data.

Data for the Form EIA 861 are collected at the owner level from all electric utilities including energy service providers in the United States, its territories, and Puerto Rico. Form EIA 861 data in this report are for the United States only.

Average retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average retail price of electricity is the operating revenue reported by the electric power industry participant. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric power industry participant operating revenues also include State and Federal income taxes and other taxes paid by the utility.

The average retail price of electricity reported in this publication by sector represents a weighted average of consumer revenue and sales, and does not equal the per kWh rate charged by the electric power industry participant to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric power industry participant for providing electrical service.

Sensitive data: Data collected on the Form EIA-861 are not considered to be sensitive.

Form EIA-923

Form EIA-923, “Power Plant Operations Report,” is a monthly collection of data on receipts and cost of fossil fuels, fuel stocks, generation, consumption of fuel for generation, and environmental data (e.g. emission controls and cooling systems). Data are collected from a monthly sample of approximately 1,900 plants, which includes a census of nuclear and pumped storage hydroelectric plants. In addition approximately 4,050 plants, representing all other generators 1 MW or greater, are collected annually. In addition to electric power generating plants, respondents include fuel storage terminals without

generating capacity that receive shipments of fossil fuels for eventual use in electric power generation. The monthly data are due by the last day of the month following the reporting period.

Receipts of fossil fuels, fuel cost and quality information, and fuel stocks at the end of the reporting period are all reported at the plant level. Plants that burn organic fuels and have a steam turbine capacity of at least 10 megawatts report consumption at the boiler level and generation at the generator level. For all other plants, consumption is reported at the prime-mover level. For these plants, generation is reported either at the prime-mover level or, for noncombustible sources (e.g. wind, nuclear), at the prime-mover and energy source level. The source and disposition of electricity is reported annually for nonutilities at the plant level as is revenue from sales for resale. Environmental data are collected annually from facilities that have a steam turbine capacity of at least 10 megawatts.

Instrument and design history:

Receipts and cost and quality of fossil fuels

On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil steam plants, but was amended in 1974 to include data on internal-combustion and combustion-turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, for which data were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication were revised to reflect the new generator-nameplate-capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was extended to include combined cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

The Form EIA-423 was originally implemented in January 2002 to collect monthly cost and quality data for fossil fuel receipts from owners or operators of nonutility electricity generating plants. Due to the restructuring of the electric power industry, many plants which had historically submitted this information for utility plants on the FERC Form 423 (see above) were being transferred to the nonutility sector. As a result, a large percentage of fossil fuel receipts were no longer being reported. The Form EIA-423 was implemented to fill this void and to capture the data associated with existing non-regulated power producers. Its design closely followed that of the FERC Form 423.

Both the Form EIA-423 and FERC Form 423 were superseded by Form EIA-923 (Schedule 2) in January of 2008. The Form EIA-923 maintains the 50-megawatt threshold for these data. However, not all data are collected monthly on the new form. Beginning with 2008 data, a sample of the respondents will report monthly, with the remainder reporting annually (monthly values will be imputed via regression). For 2007, Schedule 2 annual data was not collected or imputed. Most of the plants required to report on Schedule 2 already submitted their 2007 receipts data on a monthly basis.

Generation, consumption, and stocks

The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities14. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data15. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

Forms EIA-906 and EIA-920 were superseded by survey Form EIA-923 beginning in January 2008 with the collection of annual 2007 data and monthly 2008 data.

Data processing and data system editing: Respondents are encouraged to enter data directly into a computerized database via the Internet Data Collection (IDC) system. A variety of automated quality control mechanisms are run during this process, such as range checks and comparisons with historical data. These edit checks were performed as the data were provided, and many problems that are encountered are resolved during the reporting process. Those plants that are unable to use the electronic reporting medium provide the data in hard copy, typically via fax. These data were manually entered into the computerized database. The data were subjected to the same edits as those that were electronically submitted.

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

Imputation: For data collected monthly, regression prediction, or imputation, is done for all missing data including non-sampled units and any non-respondents. For data collected annually, imputation is performed for non-respondents. For gross generation and total fuel consumption, multiple regression is used for imputation (see discussion, above). Only approximately 0.02 percent of the national total generation for 2010 is imputed, although this will vary by State and energy source.

When gross generation is reported and net generation is not available, net generation is estimated by using a fixed ratio to gross generation by prime-mover type and installed environmental equipment. These ratios are:

Net Generation = (Factor) x Gross Generation
Prime Movers:
Combined Cycle Steam - 0.97
Combined Cycle Single Shaft - 0.97
Combined Cycle Combustion Turbine - 0.97
Compressed Air - 0.97
Fuel Cell - 0.99
Gas Turbine - 0.98
Hydroelectric Turbine - 0.99
Hydroelectric Pumped Storage - 0.99
Internal Combustion Engine - 0.98
Other - 0.97
Photovoltaic - 0.99
Steam Turbine - 0.97
Wind Turbine - 0.99
Environmental Equipment:
Flue Gas Desulfurization - 0.97
Flue Gas Particulate 0.99
All Others - 0.97

For stocks, a linear combination of the prior month's ending stocks value and the current month's consumption and receipts values are used.

Receipts of fossil fuels: Receipts data, including cost and quality of fuels, are collected at the plant level from selected electric generating plants and fossil-fuel storage terminals in the United States. These plants include independent power producers, electric utilities, and commercial and industrial combined heat and power producers whose total fossil-fueled nameplate capacity is 50 megawatts or more (excluding storage terminals, which do not produce electricity). The data on cost and quality of fuel shipments are then used to produce aggregates and weighted averages for each fuel type at the State, Census division, and U.S. levels.

For coal, units for receipts are in tons and units for average heat contents (A) are in million Btu per ton.

For petroleum, units for receipts are in barrels and units for average heat contents (A) are in million Btu per barrel.

For gas, units for receipts are in thousand cubic feet (Mcf) and units for average heat contents (A) are in million Btu per thousand cubic foot.

Power production, fuel stocks, and fuel consumption data: The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906.

In January 2008, Form EIA-923 superseded both the Forms EIA-906 and EIA-920 for the collection of these data.

Methodology to estimate biogenic and non-biogenic municipal solid waste[2]: Municipal solid waste (MSW) consumption for generation of electric power is split into its biogenic and non-biogenic components beginning with 2001 data by the following methodology:

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

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

These values are used to allocate net generation published in the Electric Power Monthly generation tables. The tons of biogenic and non-biogenic components were estimated with the assumption that glass and metals were removed prior to combustion. The average Btu/ton for the biogenic and non-biogenic components is estimated by dividing the total Btu consumption by the total tons. Published net generation attributed to biogenic MSW and non-biogenic MSW is classified under Other Renewables and Other, respectively.

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

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

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

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

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

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

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

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

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

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

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

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

Issues within historical data series:

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

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

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

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

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

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

NERC classification

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

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

The new NERC Regional Council names are as follows:

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

Business classification

Nonutility power producers consist of corporations, persons, agencies, authorities, or other legal entities that own or operate facilities for electric generation but are not electric utilities. This includes qualifying cogenerators, small power producer, and independent power producers. Furthermore, nonutility power producers do not have a designated franchised service area. In addition to entities whose primary business is the production and sale of electric power, entities with other primary business classifications can and do sell electric power. These can consist of manufacturing, agricultural, forestry, transportation, finance, service and administrative industries, based on the Office of Management and Budget's Standard Industrial Classification (SIC) Manual. In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

Agriculture, Forestry, and Fishing

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

Mining

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

Construction

23

Manufacturing

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment

3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

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

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

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

Public Administration

92

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

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

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

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

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	24.73	5.96	--	1.04
Connecticut	18.41	5.89	--	1.03
Maine	25.32	6.13	--	1.04
Massachusetts	24.79	5.92	--	1.04
New Hampshire	26.14	6.13	--	1.03
Rhode Island	--	5.94	--	1.03
Vermont	--	6.00	--	1.01
Middle Atlantic	22.73	5.40	28.52	1.03
New Jersey	25.60	4.48	28.52	1.03
New York	22.44	6.03	28.52	1.03
Pennsylvania	22.70	5.80	28.52	1.03
East North Central	20.11	5.99	28.52	1.02
Illinois	17.89	5.77	--	1.02
Indiana	21.90	6.21	28.36	1.02
Michigan	18.82	5.84	28.65	1.02
Ohio	23.92	5.74	28.50	1.03
Wisconsin	17.78	5.80	28.42	1.03
West North Central	16.74	5.75	28.52	1.02
Iowa	17.24	5.80	28.52	1.02
Kansas	17.42	5.77	--	1.01
Minnesota	17.72	5.89	--	1.02
Missouri	17.70	5.59	--	1.04
Nebraska	17.06	5.79	--	1.02
North Dakota	13.11	5.79	--	1.02
South Dakota	16.53	5.78	--	1.02
South Atlantic	23.41	6.01	28.40	1.01
Delaware	25.86	5.73	--	1.04
District of Columbia	--	--	--	1.03
Florida	23.67	6.09	28.55	1.01
Georgia	19.99	5.97	27.94	1.02
Maryland	24.86	5.84	--	1.03
North Carolina	24.25	5.98	--	1.02
South Carolina	25.09	5.97	--	1.03
Virginia	22.76	6.04	--	1.04
West Virginia	24.19	5.77	--	1.03
East South Central	21.14	5.73	28.45	1.02
Alabama	20.31	5.69	--	1.03
Kentucky	22.43	5.81	28.45	1.03
Mississippi	15.94	5.78	--	1.01
Tennessee	21.32	5.72	--	1.03
West South Central	15.88	5.74	28.54	1.02
Arkansas	17.42	5.75	--	1.02
Louisiana	16.10	5.92	28.66	1.02
Oklahoma	17.21	5.77	28.52	1.03
Texas	15.34	5.61	28.16	1.02
Mountain	18.61	5.59	28.99	1.03
Arizona	19.07	5.59	--	1.02
Colorado	19.07	4.99	--	1.03
Idaho	20.66	5.75	--	1.01
Montana	16.80	5.26	28.99	1.02
Nevada	18.37	5.81	--	1.04
New Mexico	17.90	5.68	--	1.04
Utah	21.57	5.81	--	1.04
Wyoming	17.84	5.59	--	1.00
Pacific Contiguous	17.78	5.47	28.52	1.03
California	23.49	5.68	28.52	1.03
Oregon	16.76	5.82	--	1.02
Washington	16.86	5.42	--	1.01
Pacific Noncontiguous	18.19	5.91	--	1.01
Alaska	16.78	5.53	--	1.01
Hawaii	20.38	5.98	--	--
U.S. Total	19.32	5.86	28.52	1.02

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

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

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2009**	**2010**	**2011**
Net Generation			
Coal	0.49%	0.20%	0.15%
Petroleum Liquids	1.45%	1.88%	2.67%
Petroleum Coke	1.48%	1.75%	14.41%
Natural Gas	0.45%	0.76%	0.41%
Other Gases	1.48%	1.55%	2.95%
Hydroelectric	0.90%	0.97%	1.85%
Nuclear	0.01%	0.00%	0.00%
Other	2.64%	0.78%	1.03%
Total	**0.11%**	**0.17%**	**0.15%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.36%	0.11%	0.23%
Petroleum Liquids	1.80%	1.49%	2.90%
Petroleum Coke	1.27%	1.50%	9.93%
Natural Gas	0.47%	0.70%	0.28%
Fuel Stocks for Electric Power Sector			
Coal	0.10%	0.18%	0.46%
Petroleum Liquids	1.55%	0.67%	0.55%
Petroleum Coke	0.46%	3.76%	2.64%
Retail Sales			
Residential	0.12%	0.32%	0.15%
Commercial	1.20%	0.14%	0.66%
Industrial	4.03%	0.90%	1.61%
Transportation	1.63%	2.18%	0.88%
Total	**0.60%**	**0.17%**	**0.64%**
Revenue			
Residential	0.22%	0.70%	0.73%
Commercial	1.59%	0.61%	0.24%
Industrial	3.59%	0.66%	0.58%
Transportation	3.48%	4.24%	0.29%
Total	**0.14%**	**0.45%**	**0.31%**
Average Retail Price			
Residential	0.34%	0.43%	0.66%
Commercial	0.41%	0.67%	0.79%
Industrial	0.57%	0.41%	1.02%
Transportation	4.60%	3.87%	1.08%
Total	**0.70%**	**0.56%**	**0.90%**
Receipt of Fossil Fuels			
Coal	0.88%	0.58%	0.39%
Petroleum Liquids	7.66%	4.09%	5.25%
Petroleum Coke	6.07%	3.77%	16.19%
Natural Gas	0.80%	0.81%	0.52%
Cost of Fossil Fuels			
Coal	0.19%	0.18%	0.28%
Petroleum Liquids	3.37%	0.24%	1.55%
Petroleum Coke	1.24%	2.37%	8.98%
Natural Gas	0.96%	0.20%	0.50%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-month values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: Mean absolute value of percent change is the unweighted average of the absolute percent cahnges.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report'; Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report'; and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.3. Comparison of Preliminary Annual Data Versus Final Annual Data at the U.S. Level, 2009 through 2011

Item	2009			2010			2011		
	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change
Net Generation (Thousand MWh)									
Coal	1,764,486	1,755,904	-0.49%	1,850,750	1,847,290	-0.19%	1,734,265	1,733,430	-0.05%
Petroleum Liquids	25,792	25,972	0.70%	23,397	23,337	-0.26%	15,840	16,086	1.56%
Petroleum Coke	13,035	12,964	-0.54%	13,528	13,724	1.45%	12,322	14,096	14.39%
Natural Gas	920,378	920,979	0.07%	981,815	987,697	0.60%	1,016,595	1,013,689	-0.29%
Other Gases	10,698	10,632	-0.61%	11,193	11,313	1.07%	11,269	11,566	2.64%
Hydroelectric	267,784	268,818	0.39%	252,961	254,702	0.69%	319,162	313,450	-1.79%
Nuclear	798,745	798,855	0.01%	806,968	806,968	0.00%	790,225	790,204	0.00%
Other	152,193	156,207	2.64%	179,416	180,028	0.34%	206,057	208,135	1.01%
Total	**3,953,111**	**3,950,331**	**-0.07%**	**4,120,028**	**4,125,060**	**0.12%**	**4,105,734**	**4,100,656**	**-0.12%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	938,059	934,683	-0.36%	979,555	979,684	0.01%	932,911	934,938	0.22%
Petroleum Liquids (1,000 barrels)	43,672	43,562	-0.25%	40,041	40,103	0.15%	26,728	27,326	2.24%
Petroleum Coke (1,000 tons)	4,855	4,821	-0.70%	4,956	4,994	0.76%	4,561	5,012	9.89%
Natural Gas (1,000 Mcf)	7,104,600	7,121,069	0.23%	7,633,469	7,680,185	0.61%	7,880,481	7,883,865	0.04%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	189,971	189,467	-0.27%	175,160	174,917	-0.14%	175,100	172,387	-1.55%
Petroleum Liquids (1,000 barrels)	38,699	39,210	1.32%	36,126	35,706	-1.16%	35,260	34,847	-1.17%
Petroleum Coke (1,000 tons)	1,395	1,394	-0.08%	1,087	1,019	-6.31%	470	508	8.17%
Retail Sales (Million kWh)									
Residential	1,362,869	1,364,474	0.12%	1,450,758	1,445,708	-0.35%	1,423,700	1,422,801	-0.06%
Commercial	1,322,989	1,307,168	-1.20%	1,329,322	1,330,199	0.07%	1,319,288	1,328,057	0.66%
Industrial	881,903	917,442	4.03%	962,165	970,873	0.91%	975,569	991,316	1.61%
Transportation	7,689	7,781	1.20%	7,740	7,712	-0.35%	7,606	7,672	0.87%
Total	**3,575,450**	**3,596,865**	**0.60%**	**3,749,985**	**3,754,493**	**0.12%**	**3,726,163**	**3,749,846**	**0.64%**
Revenue (Million Dollars)									
Residential	157,351	157,008	-0.22%	167,957	166,782	-0.70%	167,930	166,714	-0.72%
Commercial	135,084	132,940	-1.59%	136,361	135,559	-0.59%	136,138	135,926	-0.16%
Industrial	60,341	62,504	3.58%	65,311	65,750	0.67%	67,212	67,606	0.59%
Transportation	859	828	-3.58%	848	815	-3.94%	805	803	-0.25%
Total	**353,635**	**353,280**	**-0.10%**	**370,477**	**368,906**	**-0.42%**	**372,084**	**371,049**	**-0.28%**
Average Retail Price (Cents/kWh)									
Residential	11.55	11.51	-0.34%	11.58	11.54	-0.35%	11.80	11.72	-0.66%
Commercial	10.21	10.17	-0.40%	10.26	10.19	-0.65%	10.32	10.23	-0.81%
Industrial	6.84	6.81	-0.43%	6.79	6.77	-0.23%	6.89	6.82	-1.01%
Transportation	11.17	10.65	-4.72%	10.96	10.57	-3.61%	10.58	10.46	-1.11%
Total	**9.89**	**9.82**	**-0.70%**	**9.88**	**9.83**	**-0.54%**	**9.99**	**9.90**	**-0.91%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	972,973	981,477	0.87%	976,052	979,918	0.40%	945,581	948,668	0.33%
Petroleum Liquids (1,000 barrels)	50,184	54,181	7.97%	46,156	45,472	-1.48%	34,342	36,158	5.29%
Petroleum Coke (1,000 tons)	6,570	6,954	5.85%	5,868	5,963	1.61%	5,163	5,980	15.82%
Natural Gas (1,000 Mcf)	8,096,135	8,118,550	0.28%	8,605,619	8,673,070	0.78%	9,025,066	9,056,164	0.34%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.21	2.21	-0.06%	2.27	2.27	0.10%	2.40	2.39	-0.17%
Petroleum Liquids (1,000 barrels)	9.95	10.26	3.10%	14.03	14.02	-0.06%	20.10	19.94	-0.76%
Petroleum Coke (1,000 tons)	1.62	1.61	-0.35%	2.23	2.28	2.36%	2.80	3.03	8.27%
Natural Gas (1,000 Mcf)	4.70	4.74	0.89%	5.08	5.09	0.20%	4.71	4.72	0.41%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-year values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.
Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2011 are Final.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report';
Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report';
and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.4. Unit of Measure Equivalents for Electricity

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

Source: U.S. Energy Information Administration

Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Fossil fuel: An energy source formed in the earths crust from decayed organic material. The common fossil fuels are petroleum, coal, and natural gas.

Franchised service area: A specified geographical area in which a utility has been granted the exclusive right to serve customers. A franchise allows an entity to use city streets, alleys and other public lands in order to provide, distribute, and sell services to the community.

Fuel: Any material substance that can be consumed to supply heat or power. Included are petroleum, coal, and natural gas (the fossil fuels), and other consumable materials, such as uranium, biomass, and hydrogen.

Gas: A fuel burned under boilers and by internal combustion engines for electric generation. These include natural, manufactured and waste gas.

Gas turbine plant: An electric generating facility in which the prime mover is a gas (combustion) turbine. A gas turbine typically consists of an air compressor and one or more combustion chambers where either liquid or gaseous fuel is burned. The resulting hot gases are passed through the turbine where they expand to drive both an electric generator and the compressor.

Generating unit: Any combination of physically connected generators, reactors, boilers, combustion turbines, or other prime movers operated together to produce electric power.

Generator: A machine that converts mechanical energy into electrical energy.

Generator capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, adjusted for ambient conditions.

Generator nameplate capacity (installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.

Geothermal: Pertaining to heat within the Earth.

Geothermal energy: Hot water or steam extracted from geothermal reservoirs in the earth's crust. Water or steam extracted from geothermal reservoirs can be used for geothermal heat pumps, water heating, or electricity generation.

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

Gross generation: The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours (kWh) or megawatthours (MWh).

Heat content: The amount or number of British thermal units (Btu) produced by the combustion of fuel, measured in Btu/unit of measure.

Hydroelectric power: The production of electricity from the kinetic energy of falling water.

Hydroelectric power generation: Electricity generated by an electric power plant whose turbines are driven by falling water. It includes electric utility and industrial generation of hydroelectricity, unless otherwise specified. Generation is reported on a net basis, i.e., on the amount of electric energy generated after the electric energy consumed by station auxiliaries and the losses in the transformers that are considered integral parts of the station are deducted.

Hydroelectric pumped storage: Hydroelectricity that is generated during peak loads by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

Hydrogen: A colorless, odorless, highly flammable gaseous element. It is the lightest of all gases and the most abundant element in the universe, occurring chiefly in combination with oxygen in water and also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Independent power producer: A corporation, person, agency, authority, or other legal entity or instrumentality that owns or operates facilities for the generation of electricity for use primarily by the public, and that is not an electric utility.

Industrial sector: An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing (NAICS codes 31-33); agriculture, forestry, and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); natural gas distribution (NAICS code 2212); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. Note: This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

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

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

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

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

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

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

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

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

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

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts of electricity.

Megawatthour (MWh): One million watthours.

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

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

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

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

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

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

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

Net winter capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of peak winter demand (period of November 1 though April 30). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

North American Electric Reliability Council (NERC): A council formed in 1968 by the electric utility industry to promote the reliability and adequacy of bulk power supply in the electric utility systems of North America. The NERC Regions are:

1) Texas Regional Entity (TRE),
2) Florida Reliability Coordinating Council (FRCC),
3) Midwest Reliability Organization (MRO),
4) Northeast Power Coordinating Council (NPCC),
5) ReliabilityFirst Corporation (RFC),
6) Southeastern Electric Reliability Council (SERC),
7) Southwest Power Pool (SPP), and the
8) Western Energy Coordinating Council (WECC).

North American Industry Classification System (NAICS): A set of codes that describes the possible purposes of a facility.

Nuclear electric power: Electricity generated by an electric power plant whose turbines are driven by steam produced by the heat from the fission of nuclear fuel in a reactor.

Other customers: Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, sales for irrigation, and interdepartmental sales.

Other generation: Electricity originating from these sources: manufactured, supplemental gaseous fuel, propane, and waste gasses, excluding natural gas; biomass; geothermal; wind; solar thermal; photovoltaic; synthetic fuel; purchased steam; and waste oil energy sources.

Percent change: The relative change in a quantity over a specified time period. It is calculated as follows: the current value has the previous value subtracted from it; this new number is divided by the absolute value of the previous value; then this new number is multiplied by 100.

Petroleum: A broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids. Note: Volumes of finished petroleum products include nonhydrocarbon compounds, such as additives and detergents, after they have been blended into the products.

Petroleum coke: See Coke (petroleum).

Photovoltaic energy: Direct-current electricity generated from sunlight through solid-state semiconductor devices that have no moving parts.

Plant: A term commonly used either as a synonym for an industrial establishment or a generation facility or to refer to a particular process within an establishment.

Power: The rate at which energy is transferred. Electrical energy is usually measured in watts. Also used for a measurement of capacity.

Power production plant: All the land and land rights, structures and improvements, boiler or reactor vessel equipment, engines and engine-driven generator, turbo generator units, accessory electric equipment, and miscellaneous power plant equipment are grouped together for each individual facility.

Production (electric): Act or process of producing electric energy from other forms of energy; also, the amount of electric energy expressed in watthours (Wh).

Propane: A normally gaseous straight-chain hydrocarbon, (C3H8). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D 1835.

Public street and highway lighting service: Includes electricity supplied and services rendered for the purpose of lighting streets, highways, parks and other public places; or for traffic or other signal system service, for municipalities, or other divisions or agencies of State or Federal governments.

Railroad and railway electric service: Electricity supplied to railroads and interurban and street railways, for general railroad use, including the propulsion of cars or locomotives, where such electricity is supplied under separate and distinct rate schedules.

Receipts: Purchases of fuel.

Relative standard error: The standard deviation of a distribution divided by the arithmetic mean, sometimes multiplied by 100. It is used for the purpose of comparing the variabilities of frequency distributions but is sensitive to errors in the means.

Residential: An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. The residential sector excludes institutional living quarters.

Residual fuel oil: A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government

service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Retail: Sales covering electrical energy supplied for residential, commercial, and industrial end-use purposes. Other small classes, such as agriculture and street lighting, also are included in this category.

Revenues: The total amount of money received by a firm from sales of its products and/or services, gains from the sales or exchange of assets, interest and dividends earned on investments, and other increases in the owner's equity except those arising from capital adjustments.

Sales: The transfer of title to an energy commodity from a seller to a buyer for a price or the quantity transferred during a specified period.

Service classifications (sectors): Consumers grouped by similar characteristics in order to be identified for the purpose of setting a common rate for electric service. Usually classified into groups identified as residential, commercial, industrial and other.

Service to public authorities: Public authority service includes electricity supplied and services rendered to municipalities or divisions or agencies of State and Federal governments, under special contracts or agreements or service classifications applicable only to public authorities.

Solar energy: The radiant energy of the sun that can be converted into other forms of energy, such as heat or electricity. Electricity produced from solar energy heats a medium that powers an electricity-generating device.

State power authority: A nonprofit utility owned and operated by a state government agency, primarily involved in the generation, marketing, and/or transmission of wholesale electric power.

Steam-electric power plant (conventional): A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels are burned.

Stocks of fuel: A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant site, in coal cars, tanks, or barges at the plant site, or in separate storage sites.

Subbituminous coal: A coal whose properties range from those of lignite to those of bituminous coal and used primarily as fuel for steam-electric power generation. It may be dull, dark brown to black, soft and crumbly, at the lower end of the range, to bright, jet black, hard, and relatively strong, at the upper end. Subbituminous coal contains 20 to 30 percent inherent moisture by weight. The heat content of subbituminous coal ranges from 17 to 24 million Btu per ton on a moist, mineral-matter-free basis. The heat content of subbituminous coal consumed in the United States averages 17 to 18 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Sulfur: A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is

currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

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

Supplemental gaseous fuel supplies: Synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Synthetic fuel: A gaseous, liquid, or solid fuel that does not occur naturally. Synfuels can be made from coal (coal gasification or coal liquefaction), petroleum products, oil shale, tar sands, or plant products. Among the synfuels are various fuel gases, including but not restricted to substitute natural gas, liquid fuels for engines (e.g., gasoline, diesel fuel, and alcohol fuels) and burner fuels (e.g., fuel heating oils).

Terrawatt: One trillion watts.

Terrawatthour: One trillion kilowatthours.

Ton: A unit of weight equal to 2,000 pounds.

Turbine: A machine for generating rotary mechanical power from the energy of a stream of fluid (such as water, steam, or hot gas). Turbines convert the kinetic energy of fluids to mechanical energy through the principles of impulse and reaction, or a mixture of the two.

Ultimate consumer: A consumer that purchases electricity for its own use and not for resale.

Useful thermal output: The thermal energy made available in a combined heat or power system for use in any industrial or commercial process, heating or cooling application, or delivered to other end users, i.e., total thermal energy made available for processes and applications other than electrical generation.

Waste coal: As a fuel for electric power generation, waste coal includes anthracite refuse or mine waste, waste from anthracite preparation plants, and coal recovered from previously mined sites.

Waste gases: As a fuel for electric power generation, waste gasses are those gasses that are produced from gasses recovered from a solid-waste or wastewater treatment facility, or the gaseous by-products of oil-refining processes.

Waste oil: As a fuel for electric power generation, waste oil includes recycled motor oil, and waste oil from transformers.

Watt (W): The unit of electrical power equal to one ampere under a pressure of one volt. A Watt is equal to 1/746 horsepower.

Watthour (Wh): The electrical energy unit of measure equal to one watt of power supplied to, or taken from, an electric circuit steadily for one hour.

Wind energy: The kinetic energy of wind converted into mechanical energy by wind turbines (i.e., blades rotating from the hub) that drive generators to produce electricity.

Year-to -date: The cumulative sum of each month's value starting with January and ending with the current month of the data.