

Electric Power Monthly February 2012

With Data for December 2011

U.S. Energy Information Administration
Office of Electricity, Renewables & Uranium Statistics
U.S. Department of Energy
Washington, DC 20585

**This report is available on the Web at:
http://www.eia.gov/cneaf/electricity/epm/epm_sum.html**

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Preface

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

Background

The Office of Electricity, Renewables & Uranium Statistics, EIA, 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;" Form EIA-861, "Annual Electric Power Industry Report." Forms and their instructions may be obtained from the internet site:

<http://www.eia.gov/cneaf/electricity/page/forms.html> A detailed description of these forms and associated algorithms are found in Appendix C, "Technical Notes."

Data for 2010 are revised and final. Data for January through August 2011 have been revised. This is because the final 2010 data are used to revise and improve estimated values for 2011. For additional information, see the discussion of imputation in Appendix C, Technical Notes.

Changes in the December 2011 Electric Power Monthly (EPM)

Beginning with the December 2011 issue, the EPM will be published without a narrative executive summary. The executive summary tables will continue to be published.

The narrative EPM executive summary has been replaced by the data and description of trends in the Electricity Monthly Update. The EMU is available at: <http://www.eia.gov/electricity/monthly/update/>. The EMU's "Highlights" section features a monthly article about a major event or an informative topic pertaining to the electric power industry. The left column contains bulleted highlights at the top and key indicators in a table and graphics format that can be scanned at a glance. The right column is used for navigation.

Additionally, the December 2011 EPM contains finalized monthly 2010 data in accordance with EIA's recently released 2010 Electric Power Annual, and revises monthly 2011 data based on revised imputation coefficients derived from final 2010 data.

More detailed electricity data can be found at: [Detailed electricity data files](#)

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Executive Summary

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Table ES1.A. Total Electric Power Industry Summary Statistics, 2011 and 2010

December											
Net Generation and Consumption of Fuels											
Items	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	% Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
Net Generation (thousand megawatthours)											
Coal ¹	132,706	167,258	-20.7	99,472	123,456	31,840	42,038	78	88	1,317	1,677
Petroleum Liquids ²	1,125	2,395	-53.0	837	1,752	238	540	5	11	45	92
Petroleum Coke.....	875	1,128	-22.4	599	730	182	280	1	1	93	118
Natural Gas ³	86,606	77,573	11.6	33,418	30,978	45,296	38,897	413	476	7,480	7,223
Other Gases ⁴	1,005	952	5.6	3	2	263	205	1	*	738	744
Nuclear.....	71,837	73,683	-2.5	38,952	38,722	32,885	34,962	--	--	--	--
Hydroelectric Conventional.....	24,715	23,169	6.7	22,163	20,970	2,358	2,054	6	11	188	134
Other Renewables.....	17,063	15,359	11.1	2,062	1,610	12,408	11,282	159	141	2,433	2,326
Wood and Wood-Derived Fuels ⁵	3,311	3,275	1.1	188	217	763	801	2	2	2,359	2,255
Other Biomass ⁶	1,765	1,650	7.0	122	96	1,416	1,348	154	136	73	71
Geothermal.....	1,439	1,330	8.2	100	96	1,339	1,233	--	--	--	--
Solar Thermal and Photovoltaic ⁷	79	44	78.9	13	7	66	36	*	1	*	*
Wind.....	10,469	9,059	15.6	1,639	1,194	8,825	7,864	3	2	1	--
Hydroelectric Pumped Storage.....	-496	-530	6.3	-438	-439	-59	-91	--	--	--	--
Other Energy Sources ⁸	982	1,131	-13.2	23	39	601	562	75	66	283	464
All Energy Sources.....	336,419	362,119	-7.1	197,091	217,820	126,012	130,729	739	793	12,577	12,777
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons) ¹	73,190	88,645	-17.4	54,041	64,645	18,592	23,208	24	26	533	765
Petroleum Liquids (1000 bbls) ²	1,896	4,170	-54.5	1,474	3,161	364	903	7	14	50	91
Petroleum Coke (1000 tons).....	331	408	-18.9	234	274	75	108	*	*	22	25
Natural Gas (1000 Mcf) ³	639,148	590,663	8.2	258,104	254,209	326,123	283,622	3,434	4,364	51,486	48,467
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons) ¹	1,846	1,955	-5.6	--	--	338	336	114	139	1,394	1,481
Petroleum Liquids (1000 bbls) ²	243	552	-56.0	--	--	77	97	8	31	158	424
Petroleum Coke (1000 tons).....	77	91	-15.2	--	--	10	9	1	2	65	81
Natural Gas (1000 Mcf) ³	74,306	74,282	.0	--	--	28,061	26,442	4,208	4,096	42,036	43,744
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons) ¹	75,036	90,600	-17.2	54,041	64,645	18,930	23,544	138	165	1,927	2,246
Petroleum Liquids (1000 bbls) ²	2,139	4,722	-54.7	1,474	3,161	441	1,000	15	46	208	515
Petroleum Coke (1000 tons).....	408	499	-18.2	234	274	85	117	2	2	88	106
Natural Gas (1000 Mcf) ³	713,453	664,945	7.3	258,104	254,209	354,184	310,065	7,643	8,461	93,523	92,210
Fuel Stocks (end-of-month)											
Coal (1000 tons) ⁹	177,666	177,441	.1	141,244	143,744	33,856	31,173	401	405	2,165	2,119
Petroleum Liquids (1000 bbls) ²	38,193	38,025	.4	25,646	24,798	9,614	10,908	301	285	2,633	2,035
Petroleum Coke (1000 tons).....	1,030	1,493	-31.0	404	850	66	168	*	*	560	474

Sales, Revenue, and Average Retail Price, December

Items	Total U.S. Electric Power Industry								
	Retail Sales (Million kWh) ¹⁰			Retail Revenue (Million Dollars)			Average Retail Price (Cents/kWh)		
	Dec 2011	Dec 2010	% Change	Dec 2011	Dec 2010	% Change	Dec 2011	Dec 2010	% Change
Residential.....	116,087	130,015	-10.7	13,369	14,384	-7.1	11.52	11.06	4.2
Commercial ¹¹	104,030	108,031	-3.7	10,251	10,608	-3.4	9.85	9.82	.3
Industrial ¹¹	78,655	80,264	-2.0	5,190	5,295	-2.0	6.60	6.60	.0
Transportation ¹¹	649	633	2.6	64	66	-2.3	9.90	10.39	-4.7
All Sectors.....	299,421	318,943	-6.1	28,875	30,353	-4.9	9.64	9.52	1.3

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, and kerosene.

³ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁵ Wood, black liquor, and other wood waste.

⁶ Biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

⁷ Solar thermal and photovoltaic energy.

⁸ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

⁹ Anthracite, bituminous, subbituminous, coal synfuel, and lignite; excludes waste coal.

¹⁰ 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 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.

¹¹ 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: • 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. See the Technical Notes (Appendix C) for further information. • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Values for 2010 are final. Values for 2011 are preliminary and are estimates based on samples. See Technical Notes for a discussion of the sample designs. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Monetary values are expressed in nominal terms.

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 2011 and 2010

January through December											
Net Generation and Consumption of Fuels											
Items	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
	2011	2010	% Change	2011	2010	2011	2010	2011	2010	2011	2010
Net Generation (thousand megawatthours)											
Coal ¹	1,734,265	1,847,290	-6.1	1,300,377	1,378,028	414,493	449,709	989	1,111	18,406	18,441
Petroleum Liquids ²	15,840	23,337	-32.1	11,556	17,258	3,590	5,117	90	117	604	844
Petroleum Coke.....	12,322	13,724	-10.2	8,286	8,807	2,791	3,497	3	7	1,242	1,414
Natural Gas ³	1,016,595	987,697	2.9	407,983	392,616	522,585	508,774	4,526	4,725	81,500	81,583
Other Gases ⁴	11,269	11,313	-4	38	52	3,110	2,915	6	3	8,115	8,343
Nuclear.....	790,225	806,968	-2.1	415,302	424,843	374,923	382,126	--	--	--	--
Hydroelectric Conventional.....	325,074	260,203	24.9	297,766	236,104	25,375	22,351	95	80	1,838	1,668
Other Renewables.....	194,993	167,173	16.6	21,719	17,927	144,166	120,956	1,808	1,714	27,300	26,576
Wood and Wood-Derived Fuels ⁵	36,946	37,172	-6	2,030	2,328	8,474	9,118	20	21	26,422	25,706
Other Biomass ⁶	19,786	18,917	4.6	1,445	1,291	15,738	15,085	1,746	1,672	858	869
Geothermal.....	16,700	15,219	9.7	1,137	1,118	15,563	14,101	--	--	--	--
Solar Thermal and Photovoltaic ⁷	1,814	1,212	49.6	276	101	1,519	1,105	9	5	10	2
Wind.....	119,747	94,652	26.5	16,832	13,089	102,871	81,547	33	16	10	--
Hydroelectric Pumped Storage.....	-5,912	-5,501	-7.5	-5,306	-4,466	-607	-1,035	--	--	--	--
Other Energy Sources ⁸	11,064	12,855	-13.9	267	462	6,649	6,345	886	834	3,261	5,214
All Energy Sources.....	4,105,734	4,125,060	-5	2,457,990	2,471,632	1,497,075	1,500,754	8,403	8,592	142,266	144,082
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons) ¹	932,911	979,684	-4.8	688,436	721,431	236,087	249,814	297	314	8,091	8,125
Petroleum Liquids (1000 bbls) ²	26,728	40,103	-33.4	20,469	30,806	5,521	8,278	109	164	629	855
Petroleum Coke (1000 tons).....	4,561	4,994	-8.7	3,172	3,325	1,110	1,354	1	2	279	313
Natural Gas (1000 Mcf) ³	7,880,481	7,680,185	2.6	3,378,222	3,290,993	3,900,340	3,794,423	37,773	39,462	564,146	555,307
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons) ¹	22,014	21,727	1.3	--	--	4,035	3,808	1,336	1,406	16,643	16,513
Petroleum Liquids (1000 bbls) ²	3,527	4,866	-27.5	--	--	1,040	1,086	141	212	2,346	3,567
Petroleum Coke (1000 tons).....	1,105	1,059	4.4	--	--	113	98	6	11	987	950
Natural Gas (1000 Mcf) ³	826,548	821,775	.6	--	--	323,364	301,769	43,661	46,324	459,524	473,683
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons) ¹	954,925	1,001,411	-4.6	688,436	721,431	240,122	253,621	1,633	1,720	24,733	24,638
Petroleum Liquids (1000 bbls) ²	30,255	44,968	-32.7	20,469	30,806	6,561	9,364	250	376	2,975	4,422
Petroleum Coke (1000 tons).....	5,666	6,053	-6.4	3,172	3,325	1,223	1,452	6	12	1,265	1,264
Natural Gas (1000 Mcf) ³	8,707,029	8,501,960	2.4	3,378,222	3,290,993	4,223,703	4,096,192	81,433	85,786	1,023,670	1,028,990

Sales, Revenue, and Average Retail Price, January through December

Items	Total U.S. Electric Power Industry								
	Retail Sales (Million kWh) ⁹			Retail Revenue (Million Dollars)			Average Retail Price (Cents/kWh)		
	2011	2010	% Change	2011	2010	% Change	2011	2010	% Change
Residential.....	1,423,700	1,445,708	-1.5	167,930	166,782	.7	11.80	11.54	2.3
Commercial ¹⁰	1,319,288	1,330,199	-8	136,138	135,559	.4	10.32	10.19	1.3
Industrial ¹⁰	975,569	970,873	.5	67,212	65,750	2.2	6.89	6.77	1.8
Transportation ¹⁰	7,606	7,712	-1.4	805	815	-1.2	10.58	10.57	.1
All Sectors.....	3,726,163	3,754,493	-8	372,084	368,906	.9	9.99	9.83	1.6

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁵ Wood, black liquor, and other wood waste.

⁶ Biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other biomass.

⁷ Solar thermal and photovoltaic energy.

⁸ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

⁹ 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 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.

¹⁰ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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. See the Technical Notes (Appendix C) for further information. • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Values for 2010 are final. Values for 2011 are preliminary. See Technical Notes for a discussion of the sample designs. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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, 2011 and 2010

December										
Total (All Sectors)										
Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants ¹		Year-to-Date			
							Receipts (physical units)		Cost (dollars/ physical unit)	
	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
Coal (1000 tons) ²	80,550	82,464	45.16	43.34	566	592	945,581	979,918	46.79	44.64
Petroleum Liquids (1000 barrels) ³	2,481	3,764	128.65	98.12	1,293	1,182	34,342	45,472	120.75	84.80
Petroleum Coke (1000 tons).....	445	467	64.90	73.40	33	39	5,163	5,963	80.14	64.85
Natural Gas (1000 Mcf) ⁴	737,917	679,805	4.09	5.54	1,492	1,787	9,025,066	8,673,070	4.81	5.20

Electric Utilities										
Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants		Year-to-Date			
							Receipts (physical units)		Cost (dollars/ physical unit)	
	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
Coal (1000 tons) ²	57,654	60,641	46.14	43.90	302	325	671,409	713,094	47.65	45.33
Petroleum Liquids (1000 barrels) ³	1,558	2,267	129.60	100.36	855	748	22,786	31,099	123.39	85.07
Petroleum Coke (1000 tons).....	255	277	59.82	78.60	6	10	3,171	3,628	83.38	67.65
Natural Gas (1000 Mcf) ⁴	263,413	258,780	4.46	5.75	537	784	3,426,360	3,327,919	5.10	5.54

Independent Power Producers										
Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants		Year-to-Date			
							Receipts (physical units)		Cost (dollars/ physical unit)	
	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
Coal (1000 tons) ²	20,939	19,977	40.86	40.13	138	140	251,937	243,585	42.99	41.15
Petroleum Liquids (1000 barrels) ³	586	876	131.80	97.98	226	229	7,033	8,420	119.48	87.19
Petroleum Coke (1000 tons).....	62	67	41.72	46.81	13	15	753	1,050	51.02	49.80
Natural Gas (1000 Mcf) ⁴	357,323	312,895	3.92	5.62	528	562	4,267,688	4,119,103	4.70	5.05

Commercial Sector										
Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants		Year-to-Date			
							Receipts (physical units)		Cost (dollars/ physical unit)	
	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
Coal (1000 tons) ²	143	151	59.16	57.30	19	19	1,595	1,747	61.14	61.06
Petroleum Liquids (1000 barrels) ³	24	41	131.81	102.47	86	75	326	400	126.87	91.25
Petroleum Coke (1000 tons).....	2	2	64.54	67.15	1	1	14	15	75.47	60.59
Natural Gas (1000 Mcf) ⁴	8,282	9,043	4.65	5.75	115	120	86,871	90,130	5.20	5.51

Industrial Sector										
Items	Receipts (physical units)		Cost (dollars/ physical unit)		Number of Plants		Year-to-Date			
							Receipts (physical units)		Cost (dollars/ physical unit)	
	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
Coal (1000 tons).....	1,814	1,694	62.83	60.05	107	108	20,639	21,492	64.38	60.08
Petroleum Liquids (1000 barrels).....	314	579	117.80	89.26	126	130	4,198	5,554	108.08	79.15
Petroleum Coke (1000 tons).....	126	120	86.67	76.42	13	13	1,225	1,269	89.70	69.38
Natural Gas (1000 Mcf).....	108,900	99,087	3.72	4.77	312	321	1,244,147	1,135,917	4.36	4.77

¹ Represents the number of plants for which receipts data were collected for this month. A plant using more than one fuel may be counted multiple times.

² Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

³ Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

⁴ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Notes: • Values for 2010 are final. Values for 2011 are preliminary. • Mcf = thousand cubic feet.

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

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2011 and 2010

December										
Total (All Sectors)										
Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants ¹		Year-to-Date			
							Receipts (billion Btu)		Cost (dollars/million Btu)	
	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010
Coal ²	1,549,964	1,602,665	2.35	2.23	566	592	18,471,837	19,289,661	2.40	2.27
Petroleum Liquids ³	14,695	22,447	21.72	16.45	1,293	1,182	206,361	275,058	20.10	14.02
Petroleum Coke.....	12,592	13,307	2.29	2.57	33	39	147,713	169,508	2.80	2.28
Natural Gas ⁴	753,801	694,392	4.00	5.43	1,492	1,787	9,220,328	8,867,396	4.71	5.09
Fossil Fuels.....	2,331,052	2,332,811	3.00	3.32	2,713	2,762	28,046,239	28,601,622	3.29	3.26

Electric Utilities										
Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants		Year-to-Date			
							Receipts (billion Btu)		Cost (dollars/million Btu)	
	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010
Coal ²	1,122,579	1,194,186	2.37	2.23	302	325	13,289,473	14,226,995	2.41	2.27
Petroleum Liquids ³	9,224	13,552	21.89	16.79	855	748	137,787	189,790	20.41	13.94
Petroleum Coke.....	7,243	7,933	2.11	2.75	6	10	90,955	103,152	2.91	2.38
Natural Gas ⁴	267,660	263,628	4.39	5.64	537	784	3,488,532	3,395,962	5.01	5.43
Fossil Fuels.....	1,406,707	1,479,299	2.88	2.97	1,386	1,412	17,006,746	17,915,898	3.09	2.99

Independent Power Producers										
Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants		Year-to-Date			
							Receipts (billion Btu)		Cost (dollars/million Btu)	
	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010
Coal ²	385,614	368,173	2.22	2.18	138	140	4,702,024	4,555,898	2.30	2.20
Petroleum Liquids ³	3,461	5,167	22.32	16.62	226	229	41,499	49,598	20.25	14.80
Petroleum Coke.....	1,766	1,933	1.48	1.63	13	15	21,641	30,079	1.78	1.74
Natural Gas ⁴	365,902	319,863	3.82	5.49	528	562	4,364,318	4,212,611	4.59	4.94
Fossil Fuels.....	756,743	695,136	3.09	3.81	753	775	9,129,482	8,848,185	3.48	3.57

Commercial Sector										
Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants		Year-to-Date			
							Receipts (billion Btu)		Cost (dollars/million Btu)	
	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010
Coal ²	3,018	3,217	2.80	2.69	19	19	33,996	37,778	2.87	2.83
Petroleum Liquids ³	140	242	22.54	17.22	86	75	1,927	2,395	21.44	15.23
Petroleum Coke.....	43	58	2.28	2.45	1	1	409	410	2.64	2.19
Natural Gas ⁴	8,456	9,235	4.55	5.63	115	120	88,734	92,055	5.09	5.39
Fossil Fuels.....	11,657	12,752	4.31	5.09	167	164	125,066	132,638	4.73	4.83

Industrial Sector										
Items	Receipts (billion Btu)		Cost (dollars/million Btu)		Number of Plants		Year-to-Date			
							Receipts (billion Btu)		Cost (dollars/million Btu)	
	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010	December 2011	December 2010
Coal.....	38,753	37,089	2.94	2.74	107	108	446,344	468,991	2.98	2.75
Petroleum Liquids.....	1,869	3,487	19.76	14.82	126	130	25,147	33,276	18.04	13.21
Petroleum Coke.....	3,540	3,383	3.08	2.71	13	13	34,709	35,866	3.17	2.46
Natural Gas.....	111,783	101,666	3.63	4.65	312	321	1,278,744	1,166,768	4.24	4.64
Fossil Fuels.....	155,945	145,625	3.64	4.36	407	411	1,784,945	1,704,901	4.10	4.24

¹ Represents the number of plants for which receipts data were collected for this month. The total number of fossil fuel plants is not a sum of the figures above it because a plant that receives two or more different fuels is only counted once.

² Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

³ Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

⁴ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Note: Values for 2010 are final. Values for 2011 are preliminary.

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

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011										
2011	1	Beacon Power Corporation	IPP	Stephentown Regulation Services LLC	NY	57710	SRS1	20.0	MWH	FW
2011	1	Buckeye Florida Ltd Partners	Industrial	Buckeye Florida LP	FL	50466	GEN6	15.0	BLQ	ST
2011	1	Chevron Technology Ventures	IPP	Questa Solar Facility	NM	57369	QST	1.0	SUN	PV
2011	1	City Utilities of Springfield	Electric Utility	Southwest Power Station	MO	6195	ST2	279.0	SUB	ST
2011	1	City of Tipton	Electric Utility	Tipton	IA	8106	5	2.0	DFO	IC
2011	1	City of Tipton	Electric Utility	Tipton	IA	8106	6	2.0	DFO	IC
2011	1	GlaxoSmithKline Consumer Healthcare L P	IPP	GSK York RDC Solar Facility	PA	57390	4	.3	SUN	PV
2011	1	GlaxoSmithKline Consumer Healthcare L P	IPP	GSK York RDC Solar Facility	PA	57390	5	.3	SUN	PV
2011	1	Iberdrola Renewables Inc	IPP	Big Horn Wind II	WA	57319	1	50.0	WND	WT
2011	1	Iberdrola Renewables Inc	IPP	Hardscrabble Wind Power LLC	NY	57287	1	74.0	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Golden Valley Wind Park LLC	ID	56435	GVWP	12.0	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Oregon Trail Wind Park	ID	56439	OTWP	13.5	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Pilgrim Stage Wind Park	ID	56440	PSWP	10.5	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Thousand Springs Wind Park	ID	56442	TSWP	12.0	WND	WT
2011	1	Idaho Wind Partners 1 LLC	IPP	Tuana Gulch Wind Park	ID	56443	TGWP	10.5	WND	WT
2011	1	Louisville Gas & Electric Co	Electric Utility	Trimble County	KY	6071	2	731.9	BIT	ST
2011	1	NorthWestern Energy	Electric Utility	Trimble County	KY	56908	1	44.1	NG	GT
2011	1	NorthWestern Energy	Electric Utility	Trimble County	KY	56908	2	44.1	NG	GT
2011	1	NorthWestern Energy	Electric Utility	Trimble County	KY	56908	3	44.1	NG	GT
2011	1	PPL Renewable Energy LLC	IPP	PPL Frey Farm Landfill Wind	PA	57182	1	3.2	WND	WT
2011	1	Public Service Elec & Gas Co	Electric Utility	Matrix Buildings A&B (Perth Amboy) Solar	NJ	57384	MATR	2.5	SUN	PV
2011	1	Ridgewind Power Partners LLC	IPP	Ridgewind	MN	57386	WTG1	25.3	WND	WT
2011	1	St Mary's Hospital	Commercial	Saint Marys Hospital Power Plant	MN	54262	7	2.5	DFO	IC
2011	1	Terra-Gen Operating Co LLC	IPP	Alta Wind Energy Center I	CA	57282	AW01	150.0	WND	WT
2011	1	Terra-Gen Operating Co LLC	IPP	Alta Wind Energy Center II	CA	57291	AW02	150.0	WND	WT
2011	1	WM Renewable Energy LLC	IPP	Farmers Branch Renewable Energy Facility	TX	57165	GEN1	1.6	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Farmers Branch Renewable Energy Facility	TX	57165	GEN2	1.6	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban Landfill Gas Recovery	OH	57170	GEN1	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban Landfill Gas Recovery	OH	57170	GEN2	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban Landfill Gas Recovery	OH	57170	GEN3	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban Landfill Gas Recovery	OH	57170	GEN4	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban Landfill Gas Recovery	OH	57170	GEN5	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban Landfill Gas Recovery	OH	57170	GEN6	.8	LFG	IC
2011	1	WM Renewable Energy LLC	IPP	Suburban Landfill Gas Recovery	OH	57170	GEN7	.8	LFG	IC

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	1	Wisconsin Electric Power Co	Electric Utility	Elm Road Generating Station	WI	56068	2	615.0	BIT	ST
2011	2	Basin Electric Power Coop	Electric Utility	Prairie Winds SD1	SD	56608	SD1	151.5	WND	WT
2011	2	Bos Dairy, LLC	Industrial	Bos Dairy, LLC	IN	57625	BOS2	.6	OBG	IC
2011	2	Charleston Clean Energy LLC	IPP	The Charleston Clean Energy Facility	WV	57587	1	1.1	LFG	IC
2011	2	Charleston Clean Energy LLC	IPP	The Charleston Clean Energy Facility	WV	57587	2	1.1	LFG	IC
2011	2	Eco Energy LLC	IPP	Eco Energy LLC	MD	57407	8,418	1.1	WDL	ST
2011	2	Eco Energy LLC	IPP	Eco Energy LLC	MD	57407	8,428	1.0	WDL	ST
2011	2	Eco Energy LLC	IPP	Eco Energy LLC	MD	57407	8,429	1.7	WDL	ST
2011	2	Edison Mission Energy	IPP	Big Sky Wind LLC	IL	57135	1	240.0	WND	WT
2011	2	Edison Mission Energy	IPP	Laredo Ridge Wind LLC	NE	57262	1	79.9	WND	WT
2011	2	El Paso Electric Co	Electric Utility	Newman	TX	3456	5CA1	141.9	NG	CA
2011	2	Idaho Wind Partners 1 LLC	IPP	Burley Butte Windpark	ID	56434	BBWP	19.5	WND	WT
2011	2	Idaho Wind Partners 1 LLC	IPP	Milner Dam Wind Park LLC	ID	56437	MDWP	19.5	WND	WT
2011	2	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	4A	.5	DFO	IC
2011	2	New Hanover County	IPP	New Hanover County WASTECC	NC	50271	1TGB	2.0	MSW	ST
2011	2	Terra-Gen Operating Co LLC	IPP	Alta Wind Energy Center III	CA	57292	AW03	150.0	WND	WT
2011	2	Wisconsin Power & Light Co	Electric Utility	Bent Tree Wind Farm Phase 1	MN	57198	1	200.0	WND	WT
2011	3	AE Power Services LLC	IPP	Cedar Creek II	CO	57210	1	250.8	WND	WT
2011	3	Adams Wind Generations LLC	IPP	Adams Wind Generations LLC	MN	57375	AWG	20.0	WND	WT
2011	3	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN1	1.6	LFG	IC
2011	3	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN2	1.6	LFG	IC
2011	3	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN3	1.6	LFG	IC
2011	3	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN4	1.6	LFG	IC
2011	3	Brazos Electric Power Coop Inc	Electric Utility	Jack County	TX	55230	CT3	165.0	NG	CT
2011	3	Brazos Electric Power Coop Inc	Electric Utility	Jack County	TX	55230	CT4	165.0	NG	CT
2011	3	Brazos Electric Power Coop Inc	Electric Utility	Jack County	TX	55230	ST2	290.5	NG	CA
2011	3	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG1	120.0	NG	CT
2011	3	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG2	120.0	NG	CT
2011	3	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG3	120.0	NG	CT
2011	3	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	STG1	200.0	NG	CA
2011	3	Cleco Power LLC	Electric Utility	Teche	LA	1400	4	33.4	NG	GT
2011	3	Consolidated Edison Development Inc.	IPP	Dartmouth Solar	MA	57473	DSMA	1.6	SUN	PV
2011	3	Danielson Wind Farms LLC	IPP	Danielson Wind Farms LLC	MN	57396	DWF	20.0	WND	WT
2011	3	Dow Jones & Co	IPP	Dow Jones South Brunswick Solar	NJ	57397	PV02	3.4	SUN	PV
2011	3	Iberdrola Renewables Inc	IPP	Juniper Canyon I Wind Project	WA	57320	1	151.2	WND	WT
2011	3	Iberdrola Renewables Inc	IPP	Leaning Juniper Wind Power II	OR	57333	1	201.0	WND	WT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	3	Kahuku Wind Power LLC	IPP	Kahuku Wind Power LLC	HI	57087	1	30.0	WND	WT
2011	3	Kent County Levy Court Dept of Pub Work	IPP	Plant 1	DE	57330	1	1.2	SUN	PV
2011	3	Los Angeles Department of Water & Power	IPP	1420 Coil Av #C	CA	57310	1	1.4	SUN	PV
2011	3	Martins Creek Solar NC, LLC	IPP	Martins Creek Solar NC, LLC	NC	57461	1	.9	SUN	PV
2011	3	Pacific Gas & Electric Co	Electric Utility	Humboldt Bay	CA	246	IC3	16.7	NG	IC
2011	3	SBS Energy Partners LLC	IPP	Seabrook Solar Plant	NJ	57667	SBS1	3.2	SUN	PV
2011	3	Solar Star Colorado II LLC	IPP	AFA Solar Farm	CO	57554	AFA1	5.5	SUN	PV
2011	3	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #03	CA	57217	S003A	.5	SUN	PV
2011	3	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #03	CA	57217	S003B	.5	SUN	PV
2011	3	WM Renewable Energy LLC	IPP	Waste Management Piedmont LFGTE Project	NC	57169	GEN1	.8	LFG	IC
2011	3	WM Renewable Energy LLC	IPP	Waste Management Piedmont LFGTE Project	NC	57169	GEN2	.8	LFG	IC
2011	3	WM Renewable Energy LLC	IPP	Waste Management Piedmont LFGTE Project	NC	57169	GEN3	.8	LFG	IC
2011	3	Wind Energy Prototypes LLC	IPP	GE 1 6 100 Prototype	CA	57566	1.6PR	1.6	WND	WT
2011	4	Avidan Energy Solutions	IPP	145 Talmadge Solar	NJ	57458	1	3.8	SUN	PV
2011	4	Bruce Nichols	Industrial	Nichols Farm	MD	57548	WM1	.0	WND	WT
2011	4	Bruce Nichols	Industrial	Nichols Farm	MD	57548	WM2	.0	WND	WT
2011	4	City of Riverside - (CA)	Electric Utility	Riverside Energy Resource Center	CA	56143	3	48.0	NG	GT
2011	4	City of Riverside - (CA)	Electric Utility	Riverside Energy Resource Center	CA	56143	4	48.0	NG	GT
2011	4	First Solar Energy LLC	IPP	Albuquerque Solar Energy Center	NM	57567	ASEC1	2.0	SUN	PV
2011	4	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	DG5	2.0	DFO	IC
2011	4	Idaho Wind Partners 1 LLC	IPP	Salmon Falls Wind Park	ID	56441	SFWP	21.0	WND	WT
2011	4	Seneca Sustainable Energy LLC	Industrial	Seneca Sustainable Energy LLC	OR	57457	1	19.8	WDS	ST
2011	4	TXU Generation Co LP	IPP	Oak Grove	TX	6180	OG2	827.0	LIG	ST
2011	4	Terra-Gen Operating Co LLC	IPP	Alta Wind Energy Center IV	CA	57293	AW04	102.0	WND	WT
2011	4	Terra-Gen Operating Co LLC	IPP	Alta Wind Energy Center V	CA	57294	AW05	168.0	WND	WT
2011	4	UGI Development Co	IPP	Crayola Solar Project	PA	57216	2	1.0	SUN	PV
2011	5	Cargill Inc	IPP	Cargill Kettle Butte Biofactory	ID	57345	1	.9	OBG	IC
2011	5	Cargill Inc	IPP	Cargill Kettle Butte Biofactory	ID	57345	2	.9	OBG	IC
2011	5	Cedar Point LLC	Electric Utility	Cedar Point Wind	CO	57315	1-139	243.0	WND	WT
2011	5	Chittenden County Solar Partners LLC	IPP	Chittenden County Solar Partners	VT	57481	1	2.2	SUN	PV
2011	5	City of Lamoni	Electric Utility	Lamoni Municipal Utilities	IA	1155	7	2.3	DFO	IC
2011	5	City of Lamoni	Electric Utility	Lamoni Municipal Utilities	IA	1155	8	2.3	DFO	IC
2011	5	Consolidated Edison Development Inc.	IPP	Murray Hill Solar	NJ	57471	MHNJ	1.0	SUN	PV
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	1	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	10	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	11	43.4	NG	GT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	12	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	2	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	3	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	4	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	5	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	6	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	7	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	8	43.4	NG	GT
2011	5	Coolidge Power LLC	IPP	Coolidge Generation Station	AZ	56948	9	43.4	NG	GT
2011	5	Edison Mission Energy	IPP	Community Wind North LLC	MN	57385	34,505	1.0	WND	WT
2011	5	Florida Power & Light Co	Electric Utility	West County Energy Center	FL	56407	3A	232.0	NG	CT
2011	5	Florida Power & Light Co	Electric Utility	West County Energy Center	FL	56407	3B	244.0	NG	CT
2011	5	Florida Power & Light Co	Electric Utility	West County Energy Center	FL	56407	3C	232.0	NG	CT
2011	5	Florida Power & Light Co	Electric Utility	West County Energy Center	FL	56407	3ST	523.0	NG	CA
2011	5	Los Alamos County	Electric Utility	Abiquiu Dam	NM	7789	3	3.0	WAT	HY
2011	5	Masser Farms Realty Ltd	IPP	Masser Farms Realty Solar	PA	57494	MFRS	.9	SUN	PV
2011	5	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	3A	.5	DFO	IC
2011	5	McKinney LFG LLC	IPP	McKinney LFG	TX	57508	GEN1	1.3	LFG	IC
2011	5	McKinney LFG LLC	IPP	McKinney LFG	TX	57508	GEN2	1.3	LFG	IC
2011	5	Milford Wind Corridor Stage II LLC	IPP	Milford Wind Corridor Stage II LLC	UT	57107	1	102.0	WND	WT
2011	5	Murphy Farm Power, LLC	Industrial	Murphy Farm Power, LLC	NC	57677	1	.9	SUN	PV
2011	5	Nevada Power Co	Electric Utility	Harry Allen	NV	7082	CA	119.6	NG	CA
2011	5	Nevada Power Co	Electric Utility	Harry Allen	NV	7082	CT1	151.6	NG	CT
2011	5	Nevada Power Co	Electric Utility	Harry Allen	NV	7082	CT2	151.6	NG	CT
2011	5	Temescal Canyon RV, LLC	IPP	Temescal Canyon RV, LLC	CA	57656	1	1.5	SUN	PV
2011	5	Virginia Electric & Power Co	Electric Utility	Bear Garden	VA	56807	1A	165.0	NG	CT
2011	5	Virginia Electric & Power Co	Electric Utility	Bear Garden	VA	56807	1B	170.0	NG	CT
2011	5	Virginia Electric & Power Co	Electric Utility	Bear Garden	VA	56807	1C	255.0	NG	CA
2011	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN1	.8	LFG	IC
2011	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN2	.8	LFG	IC
2011	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN3	.8	LFG	IC
2011	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN4	.8	LFG	IC
2011	5	WM Renewable Energy LLC	IPP	Waste Management Naples LFGTE Project	FL	57168	GEN5	.8	LFG	IC
2011	6	6th St Solar Park of Gainesville FL	IPP	6th St Solar Park of Gainesville FL	FL	57438	1	2.0	SUN	PV
2011	6	Associated Electric Coop, Inc	Electric Utility	Chouteau	OK	7757	4	165.0	NG	CT
2011	6	Associated Electric Coop, Inc	Electric Utility	Chouteau	OK	7757	5	165.0	NG	CT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	6	Associated Electric Coop, Inc	Electric Utility	Chouteau	OK	7757	6	165.0	NG	CA
2011	6	Blue Chip Energy LLC	IPP	Rinehart	FL	57685	1	10.0	SUN	PV
2011	6	City of Hastings - (NE)	Electric Utility	Whelan Energy Center	NE	60	2	220.0	SUB	ST
2011	6	City of Marshfield - (WI)	Electric Utility	Marshfield Utilities Gas Plant	WI	56480	M1	55.5	NG	GT
2011	6	Denver Airport Solar, LLC	IPP	City & County of Denver at Denver Int 1	CO	57645	PV1	3.4	SUN	PV
2011	6	First Solar Energy LLC	IPP	Los Lunas Solar Energy Center	NM	57571	LLSEC	5.0	SUN	PV
2011	6	Foundation ST Owner, LLC	IPP	Foundation ST	CA	57626	WTG1	2.0	WND	WT
2011	6	GenConn Middletown LLC	IPP	GenConn Middletown LLC	CT	57068	12	48.5	KER	GT
2011	6	GenConn Middletown LLC	IPP	GenConn Middletown LLC	CT	57068	13	48.5	KER	GT
2011	6	GenConn Middletown LLC	IPP	GenConn Middletown LLC	CT	57068	14	48.5	KER	GT
2011	6	GenConn Middletown LLC	IPP	GenConn Middletown LLC	CT	57068	15	48.5	KER	GT
2011	6	Hatch Solar Energy Center I, LLC	IPP	Hatch Solar Energy Center I, LLC	NM	57591	1	5.0	SUN	PV
2011	6	JEA	Electric Utility	Greenland Energy Center	FL	56799	1	148.0	NG	GT
2011	6	JEA	Electric Utility	Greenland Energy Center	FL	56799	2	148.0	NG	GT
2011	6	PPL Holtwood LLC	IPP	PPL Holtwood	PA	3145	HW11	1.3	WAT	HY
2011	6	PPL Holtwood LLC	IPP	PPL Holtwood	PA	3145	HW13	1.3	WAT	HY
2011	6	PPL Renewable Energy LLC	IPP	PPL Glendon LFGTE Plant	PA	57183	1	1.6	LFG	IC
2011	6	PPL Renewable Energy LLC	IPP	PPL Glendon LFGTE Plant	PA	57183	2	1.6	LFG	IC
2011	6	Progress Energy Carolinas Inc	Electric Utility	Sherwood H Smith Jr Energy Complex	NC	7805	10	200.0	NG	CT
2011	6	Progress Energy Carolinas Inc	Electric Utility	Sherwood H Smith Jr Energy Complex	NC	7805	9	200.0	NG	CT
2011	6	Progress Energy Carolinas Inc	Electric Utility	Sherwood H Smith Jr Energy Complex	NC	7805	ST5	252.0	NG	CA
2011	6	Public Service Elec & Gas Co	Electric Utility	Matrix Stults Road	NJ	57588	STULT	2.6	SUN	PV
2011	6	Riverbay Corp	Commercial	Riverbay	NY	52168	U0007	1.5	DFO	IC
2011	6	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	3	167.0	NG	GT
2011	6	Trexlertown Solar Array North and South	Industrial	Trexlertown Solar Array North and South	PA	57519	GEN1	2.0	SUN	PV
2011	6	Turnbull Hydro LLC	IPP	Lower Turnbull Hydro	MT	57691	1	7.7	WAT	HY
2011	6	WM Renewable Energy LLC	IPP	Waste Management King George LFGTE	VA	57022	GEN4	2.9	LFG	GT
2011	6	White Oak Energy LLC	IPP	White Oak Energy LLC	IL	57342	1	150.0	WND	WT
2011	6	Wind Energy America Inc	IPP	L J Trust	IA	56216	LJT2	2.0	WND	WT
2011	7	500 Virginia Solar, LP	IPP	500 Virginia Solar	PA	57640	1	1.0	SUN	PV
2011	7	Ameresco LFG I Inc	IPP	Al Turi	NY	10549	2	.8	LFG	IC
2011	7	Ameresco LFG I Inc	IPP	Al Turi	NY	10549	3	.8	LFG	IC
2011	7	Astoria Energy II LLC	IPP	Astoria Energy II	NY	57664	CT3	156.0	NG	CT
2011	7	Astoria Energy II LLC	IPP	Astoria Energy II	NY	57664	CT4	156.0	NG	CT
2011	7	Astoria Energy II LLC	IPP	Astoria Energy II	NY	57664	ST2	228.0	NG	CA
2011	7	Edison Mission Energy	IPP	Taloga Wind LLC	OK	57261	1	130.0	WND	WT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	7	Evergreen Wind Power III LLC	IPP	Rollins Wind Project	ME	56990	1	60.0	WND	WT
2011	7	Innovative Energy Systems Inc	IPP	Chautauqua LFGTE Facility	NY	57186	GEN5	1.6	LFG	IC
2011	7	Innovative Energy Systems Inc	IPP	Chautauqua LFGTE Facility	NY	57186	GEN6	1.6	LFG	IC
2011	7	Kissimmee Utility Authority	Electric Utility	Cane Island	FL	7238	4	160.0	NG	GT
2011	7	Kleen Energy Systems, LLC	IPP	Kleen Energy Systems Project	CT	56798	ST	274.0	NG	CA
2011	7	Kleen Energy Systems, LLC	IPP	Kleen Energy Systems Project	CT	56798	U1	177.0	NG	CT
2011	7	Kleen Energy Systems, LLC	IPP	Kleen Energy Systems Project	CT	56798	U2	177.0	NG	CT
2011	7	Lincoln Electric Company	Industrial	LE Wind Turbine 1	OH	57613	WTG1	2.5	WND	WT
2011	7	Modesto Irrigation District	Electric Utility	Woodland	CA	7266	3A	8.2	NG	IC
2011	7	Modesto Irrigation District	Electric Utility	Woodland	CA	7266	3B	8.2	NG	IC
2011	7	Modesto Irrigation District	Electric Utility	Woodland	CA	7266	3C	8.2	NG	IC
2011	7	Modesto Irrigation District	Electric Utility	Woodland	CA	7266	3D	8.2	NG	IC
2011	7	Modesto Irrigation District	Electric Utility	Woodland	CA	7266	3E	8.2	NG	IC
2011	7	Modesto Irrigation District	Electric Utility	Woodland	CA	7266	3F	8.2	NG	IC
2011	7	Paulding Wind Farm II LLC	IPP	Paulding Wind Farm II	OH	57620	GEN1	150.0	WND	WT
2011	7	Ralls Wind Farm LLC	IPP	Ralls Wind Farm	TX	57474	1	10.0	WND	WT
2011	7	The Gillette Company	Industrial	Gillette SBMC	MA	54225	CTG3	7.2	NG	CT
2011	7	Turnbull Hydro LLC	IPP	Turnbull Hydro	MT	57690	1	5.3	WAT	HY
2011	7	UGI Development Co	IPP	Hunlock Power Station	PA	3176	5	49.5	NG	CT
2011	7	UGI Development Co	IPP	Hunlock Power Station	PA	3176	6	49.0	NG	CT
2011	7	Valley View Transmission LLC	IPP	Valley View Transmission LLC	MN	57434	VVT	10.0	WND	WT
2011	7	WM Renewable Energy LLC	IPP	EKS Landfill	MN	54939	UNT4	1.5	LFG	IC
2011	7	WM Renewable Energy LLC	IPP	Eagle Valley	MI	57405	GEN1	1.6	LFG	IC
2011	7	WM Renewable Energy LLC	IPP	Eagle Valley	MI	57405	GEN2	1.6	LFG	IC
2011	7	White Oak Solar Energy LLC	IPP	Dover Sun Park	DE	57337	1	10.0	SUN	PV
2011	8	AES Wind Generation Inc	IPP	Laurel Mountain	WV	57447	1	97.6	WND	WT
2011	8	Avenal Solar Holdings LLC	IPP	Avenal Park	CA	57359	1	6.0	SUN	PV
2011	8	Avenal Solar Holdings LLC	IPP	Sand Drag LLC	CA	57361	1	19.0	SUN	PV
2011	8	Avenal Solar Holdings LLC	IPP	Sun City Project LLC	CA	57360	1	20.0	SUN	PV
2011	8	CS Murphy Point, LLC	Industrial	CS Murphy Point, LLC	NC	57687	1	.9	SUN	PV
2011	8	City of Anaheim - (CA)	Electric Utility	Canyon Power Plant	CA	57027	CPP3	48.0	NG	GT
2011	8	City of Anaheim - (CA)	Electric Utility	Canyon Power Plant	CA	57027	CPP4	49.4	NG	GT
2011	8	City of Redding	Electric Utility	Redding Power	CA	7307	6	39.0	NG	CT
2011	8	Consolidated Edison Development Inc.	IPP	Pilesgrove	NJ	57448	PILE	17.7	SUN	PV
2011	8	First Solar Energy LLC	IPP	Deming Solar Energy Center	NM	57575	DSEC	5.0	SUN	PV

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	8	First Solar Energy LLC	IPP	Roadrunner Solar	NM	57338	1	20.0	SUN	PV
2011	8	Flat Water Wind Farm LLC	IPP	Roth Rock Wind Farm LLC	MD	57239	SRRW1	40.0	WND	WT
2011	8	Homestretch Geothermal LLC	IPP	Wabuska	NV	55988	4	.4	GEO	ST
2011	8	Homestretch Geothermal LLC	IPP	Wabuska	NV	55988	6	.4	GEO	ST
2011	8	Homestretch Geothermal LLC	IPP	Wabuska	NV	55988	7	.4	GEO	ST
2011	8	MidAmerican Energy Co	Electric Utility	Pomeroy Wind Farm	IA	56501	PWF4	29.9	WND	WT
2011	8	Pacific Gas & Electric Co	Electric Utility	Westside Solar Station	CA	57499	1	15.0	SUN	PV
2011	8	Roth Rock Wind Farm LLC	IPP	Roth Rock North Wind Farm, LLC	MD	57240	SRRNW	10.0	WND	WT
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #06	CA	57220	S006A	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #06	CA	57220	S006B	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #06	CA	57220	S006C	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #06	CA	57220	S006D	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #08	CA	57222	S008A	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #08	CA	57222	S008B	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #08	CA	57222	S008C	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #08	CA	57222	S008D	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #09	CA	57223	S009A	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #09	CA	57223	S009B	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #12	CA	57226	S012A	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #22	CA	57237	S022A	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #22	CA	57237	S022B	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #22	CA	57237	S022C	.5	SUN	PV
2011	8	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #22	CA	57237	S022D	.5	SUN	PV
2011	8	Southwestern Bell Telephone Co	Commercial	Southwestern Bell Telephone	MO	54858	E/G6	2.8	DFO	IC
2011	8	Southwestern Bell Telephone Co	Commercial	Southwestern Bell Telephone	MO	54858	E/G7	2.8	DFO	IC
2011	9	Arizona Public Service Co	Electric Utility	Paloma Solar	AZ	57562	PV1	18.0	SUN	PV
2011	9	Avery Solar LLC	IPP	Avery Solar	NC	57389	1	.9	SUN	PV
2011	9	City of Anaheim - (CA)	Electric Utility	Canyon Power Plant	CA	57027	CPP1	49.4	NG	GT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	9	City of Anaheim - (CA)	Electric Utility	Canyon Power Plant	CA	57027	CPP2	48.0	NG	GT
2011	9	City of Hopkinton	Electric Utility	Hopkinton	IA	8108	CAT	2.2	DFO	IC
2011	9	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NREL Main Campus	CO	57694	PARKL	.5	SUN	PV
2011	9	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NWTC Turbine Side	CO	57693	ALSTO	3.0	WND	WT
2011	9	Homestretch Geothermal LLC	IPP	Wabuska	NV	55988	5	.4	GEO	ST
2011	9	Pacific Gas & Electric Co	Electric Utility	CSU East Bay	CA	57042	1	1.4	NG	FC
2011	9	Pacific Gas & Electric Co	Electric Utility	Five Points Solar Station	CA	57498	1	15.0	SUN	PV
2011	9	Pacific Gas & Electric Co	Electric Utility	SF State University	CA	57043	1	.2	NG	FC
2011	9	Pacific Gas & Electric Co	Electric Utility	SF State University	CA	57043	2	1.4	NG	FC
2011	9	Pacific Gas & Electric Co	Electric Utility	Stroud Solar Station	CA	57497	1	20.0	SUN	PV
2011	10	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NWTC Turbine Side	CO	57693	GAMES	2.0	WND	WT
2011	10	E ON Climate Renewables N America Inc	IPP	Settlers Trail Wind Farm LLC	IL	57493	STWF	150.4	WND	WT
2011	10	Enxco Service Corporation	IPP	Bellevue Solar Project	OR	57372	INV-1	1.5	SUN	PV
2011	10	Enxco Service Corporation	IPP	Lakefield Wind Project LLC	MN	57374	LAKE1	205.5	WND	WT
2011	10	Enxco Service Corporation	IPP	Yamhill Solar LLC	OR	57652	1	1.0	SUN	PV
2011	10	First Solar Energy LLC	IPP	Alamogordo Solar Energy Center	NM	57577	AGSEC	5.0	SUN	PV
2011	10	Mayberry Solar LLC	IPP	Mayberry Solar LLC	NC	57321	1PV	1.2	SUN	PV
2011	10	Motiva Enterprises LLC	Industrial	Motiva Enterprises Port Arthur Refinery	TX	50973	GN44	36.1	NG	CT
2011	10	NJR Clean Energy Ventures Corporation	IPP	Vineland Mays Landing Soalr	NJ	57660	VNLND	5.7	SUN	PV
2011	10	Vermont Wind LLC	IPP	Sheffield Wind	VT	57080	1	40.0	WND	WT
2011	10	Winona County Wind LLC	IPP	Winona County Wind LLC	MN	57547	WCW	1.5	WND	WT
2011	11	AE Power Services LLC	IPP	Sherbino II	TX	57415	1	150.0	WND	WT
2011	11	Arizona Public Service Co	Electric Utility	Cotton Center Solar	AZ	57561	PV1	18.0	SUN	PV
2011	11	Arizona Public Service Co	Electric Utility	Hyder Solar	AZ	57563	PV1	10.5	SUN	PV
2011	11	Basin Electric Power Coop	Electric Utility	Dry Fork Station	WY	56609	1	390.0	SUB	ST
2011	11	Black Bear Hydro Partners LLC	IPP	PPL Milford Hydro Station	ME	1475	MF01	.7	WAT	HY
2011	11	Black Bear Hydro Partners LLC	IPP	PPL Milford Hydro Station	ME	1475	MF02	.7	WAT	HY
2011	11	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	CT10	163.5	NG	CT
2011	11	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	CT11	163.5	NG	CT
2011	11	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	ST12	323.0	WH	CA
2011	11	First Solar Energy LLC	IPP	Las Vegas Solar Energy Center	NV	57576	LVSEC	5.0	SUN	PV
2011	11	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	1	16.0	SUN	PV
2011	11	Minnesota Municipal Power Agny	Electric Utility	Oak Glen Wind Farm	MN	57432	1	44.0	WND	WT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	11	Motiva Enterprises LLC	Industrial	Motiva Enterprises Port Arthur Refinery	TX	50973	GN42	36.1	NG	CT
2011	11	Motiva Enterprises LLC	Industrial	Motiva Enterprises Port Arthur Refinery	TX	50973	GN43	36.1	NG	CT
2011	11	Romark Logistics of PA Inc.	IPP	Romark PA Solar	PA	57465	1	1.8	SUN	PV
2011	11	The Hankin Group	IPP	Morgantown Solar Park	PA	57362	1	2.0	SUN	PV
2011	11	UNS Electric, Inc	Electric Utility	La Senita	AZ	57556	1	1.0	SUN	PV
2011	11	WM Renewable Energy LLC	IPP	Chestnut Ridge Gas Recovery	TN	50570	GEN5	1.6	LFG	IC
2011	12	AE Power Services LLC	IPP	Trinity Hills	TX	57520	1	225.0	WND	WT
2011	12	AgPower Jerome LLC	IPP	Double A Digester	ID	57425	1	1.5	OBG	IC
2011	12	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN5	1.6	LFG	IC
2011	12	Blue Canyon Windpower VI LLC	IPP	Blue Canyon Windpower VI LLC	OK	57616	GEN1	100.0	WND	WT
2011	12	Blue Water Renewables Inc	IPP	St Clair	MI	57706	1	1.6	LFG	IC
2011	12	Blue Water Renewables Inc	IPP	St Clair	MI	57706	2	1.6	LFG	IC
2011	12	City of Unalaska	Electric Utility	Dutch Harbor	AK	7502	13	3.7	DFO	IC
2011	12	Consolidated Edison Development Inc.	IPP	Flemington Solar	NJ	57485	FSNJ	7.9	SUN	PV
2011	12	Consolidated Edison Development Inc.	IPP	Frenchtown II Solar	NJ	57487	F2NJ	3.0	SUN	PV
2011	12	Consolidated Edison Development Inc.	IPP	Lebanon Solar	NJ	57488	LSNJ	2.0	SUN	PV
2011	12	Constellation Solar New Jersey II, LLC	IPP	Toys R Us- DE, Inc. at Mt. Olive, NJ	NJ	57647	PV1	2.4	SUN	PV
2011	12	E ON Climate Renewables N America Inc	IPP	Pioneer Trail Wind Farm, LLC	IL	57675	PTWF	150.4	WND	WT
2011	12	East Bay Municipal Util Dist	Electric Utility	Power Generation Station (PGS) 2	CA	57696	1	3.8	OBG	GT
2011	12	Edison Mission Energy	IPP	Pinnacle Wind Force LLC	WV	57595	1	55.2	WND	WT
2011	12	Elk Wind Energy LLC	IPP	Elk Wind Farm	IA	57417	NORD	40.8	WND	WT
2011	12	Enfinity BNB Napoleon Solar LLC	IPP	Napoleon Solar I	OH	57462	1	9.8	SUN	PV
2011	12	Enxco Service Corporation	IPP	Shiloh III Wind Project LLC	CA	57586	1	102.5	WND	WT
2011	12	FRV AE Solar LLC	IPP	Webberville Solar Project	TX	57699	AES1	30.0	SUN	PV
2011	12	Gamesa Energy USA	IPP	Chestnut Flats Wind Farm	PA	57268	1	38.0	WND	WT
2011	12	GenPower	IPP	Longview Power LLC	WV	56671	MKA01	700.0	BIT	ST
2011	12	Georgia Power Co	IPP	Jack McDonough	GA	710	4	722.4	NG	CC
2011	12	Iberdrola Renewables Inc	IPP	Blue Creek Wind Project	OH	57449	1	302.0	WND	WT
2011	12	Iberdrola Renewables Inc	IPP	Copper Crossing Solar LLC	AZ	57318	1	20.0	SUN	PV
2011	12	Iberdrola Renewables Inc	IPP	San Luis Valley Solar Ranch	CO	57317	1	35.0	SUN	PV
2011	12	Illinois Electrical Gen Partn	IPP	Morris Genco LLC	IL	55774	MO4	.9	LFG	IC
2011	12	Illinois Electrical Gen Partn	IPP	Morris Genco LLC	IL	55774	MO5	.9	LFG	IC
2011	12	Long Island Solar Farm LLC	IPP	Long Island Solar Farm LLC	NY	57589	9WUBN	31.5	SUN	PV

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	12	Michigan Wind 2 LLC	IPP	Michigan Wind 2	MI	56659	1	90.0	WND	WT
2011	12	MidAmerican Energy Co	Electric Utility	Laurel Wind Farm	IA	57500	LWF	119.6	WND	WT
2011	12	MidAmerican Energy Co	Electric Utility	Rolling Hills Wind Farm	IA	57501	RHWF	443.9	WND	WT
2011	12	Motiva Enterprises LLC	Industrial	Motiva Enterprises Port Arthur Refinery	TX	50973	GN41	36.1	NG	CT
2011	12	NJR Clean Energy Ventures Corporation	IPP	Manalapan Village Solar	NJ	57661	MANVL	4.6	SUN	PV
2011	12	NJR Clean Energy Ventures Corporation	IPP	McGraw Hill Solar	NJ	57662	MCGRH	16.6	SUN	PV
2011	12	Power County Wind Park North LLC	IPP	Power County Wind Park North	ID	57761	PCWPN	22.5	WND	WT
2011	12	Power County Wind Park South LLC	IPP	Power County Wind Park South	ID	57760	PCWPS	22.5	WND	WT
2011	12	Public Service Elec & Gas Co	IPP	Mill Creek Solar	NJ	57728	MILLC	3.5	SUN	PV
2011	12	Public Service Elec & Gas Co	IPP	NJMC Landfill	NJ	57724	NJMC	2.5	SUN	PV
2011	12	Public Service Elec & Gas Co	IPP	Summit Associates	NJ	57726	SUMA	1.9	SUN	PV
2011	12	RP-Orlando, LLC	IPP	RP-Orlando, LLC	FL	57565	1	5.1	SUN	PV
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	1	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	10	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	11	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	12	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	13	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	14	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	15	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	16	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	2	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	3	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	4	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	5	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	6	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	7	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	8	.6	WAT	HY
2011	12	SAF Hydroelectric LLC	IPP	SAF Hydroelectric LLC	MN	57665	9	.6	WAT	HY
2011	12	Sacramento PV Energy, LLC	IPP	SMUD at Fleshman	CA	57671	PV1	2.8	SUN	PV
2011	12	Sacramento PV Energy, LLC	IPP	SMUD at Grundman	CA	57669	PV1	13.9	SUN	PV
2011	12	Sacramento PV Energy, LLC	IPP	SMUD at Van Conett	CA	57670	PV1	2.8	SUN	PV
2011	12	Solar Star North Carolina II LLC	IPP	Solar Star North Carolina II LLC	NC	57435	1	1.0	SUN	PV
2011	12	Solar Star North Carolina II LLC	IPP	Solar Star North Carolina II LLC	NC	57435	2	1.0	SUN	PV
2011	12	Solar Star North Carolina II LLC	IPP	Solar Star North Carolina II LLC	NC	57435	3	1.0	SUN	PV

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	12	Solar Star North Carolina II LLC	IPP	Solar Star North Carolina II LLC	NC	57435	4	1.0	SUN	PV
2011	12	Solar Star North Carolina II LLC	IPP	Solar Star North Carolina II LLC	NC	57435	5	1.0	SUN	PV
2011	12	Vasco Winds, LLC	IPP	Vasco Winds	CA	57700	1	78.2	WND	WT
2011	12	WM Renewable Energy LLC	IPP	Prairie View IL	IL	57406	GEN1	1.6	LFG	IC
2011	12	WM Renewable Energy LLC	IPP	Prairie View IL	IL	57406	GEN2	1.6	LFG	IC
2011	12	WM Renewable Energy LLC	IPP	Prairie View IL	IL	57406	GEN3	1.6	LFG	IC
2011	12	Western Massachusetts Electric Company	Electric Utility	Indian Orchard PV Facility	MA	57674	1	2.3	SUN	PV
2011	12	Westervelt Renewable Energy LLC	Industrial	Westervelt Moundville Cogen	AL	57467	TG1	8.2	WDS	ST
2011	12	Wind Energy America Inc	IPP	NAE Shaokatan Power	MN	56217	SPP2	.8	WND	WT
2011	12	Wisconsin Electric Power Co	Electric Utility	Glacier Hills	WI	57199	1	162.0	WND	WT
2012										
2012	1	AgPower Jerome LLC	IPP	Double A Digester	ID	57425	2	1.5	OBG	IC
2012	1	Ameresco	IPP	Savannah River Site Biomass Cogeneration	SC	57138	1	16.0	WDS	ST
2012	1	Black Hills Service Company LLC	Electric Utility	Pueblo Airport Generating Station	CO	56998	4	40.0	NG	CC
2012	1	Black Hills Service Company LLC	Electric Utility	Pueblo Airport Generating Station	CO	56998	5	40.0	NG	CC
2012	1	Black Hills Service Company LLC	Electric Utility	Pueblo Airport Generating Station	CO	56998	6	40.0	NG	CC
2012	1	Black Hills Service Company LLC	Electric Utility	Pueblo Airport Generating Station	CO	56998	7	40.0	NG	CC
2012	1	Black Hills Service Company LLC	Electric Utility	Pueblo Airport Generating Station	CO	56998	GT1	90.0	NG	GT
2012	1	Black Hills Service Company LLC	Electric Utility	Pueblo Airport Generating Station	CO	56998	GT2	90.0	NG	GT
2012	1	Consolidated Edison Development Inc.	IPP	Frenchtown I Solar	NJ	57486	F1NJ	3.0	SUN	PV
2012	1	Erie Wind LLC	IPP	Steel Winds II	NY	57078	1	15.0	WND	WT
2012	1	Formosa Plastics Corp	Industrial	CFB Power Plant	TX	56708	G2201	143.1	PC	ST
2012	1	Massachusetts Electric Co	Electric Utility	Dorchester Solar Site	MA	57265	1	1.0	SUN	PV
2012	1	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57707	2	16.0	SUN	PV
2012	1	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57783	BRU1	5.0	SUN	PV
2012	1	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57779	DIL2	3.0	SUN	PV
2012	1	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57781	DIL3	3.0	SUN	PV
2012	1	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57806	DIL4	.4	SUN	PV
2012	1	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57777	DL1	3.0	SUN	PV
2012	1	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57748	GBW	9.6	WND	WT
2012	1	Mesquite Solar 1, LLC	IPP	Mesquite Solar 1	AZ	57778	KAM1	5.0	SUN	PV
2012	1	Minnesota Power Inc	Electric Utility	Bison I Wind Energy Center	ND	57038	PHS2	42.7	WND	WT
2012	1	Ormat Nevada Inc	IPP	Tuscarora Geothermal Power Plant	NV	57451	G9200	9.0	GEO	BT
2012	1	Ormat Nevada Inc	IPP	Tuscarora Geothermal Power Plant	NV	57451	G9250	9.0	GEO	BT
2012	1	Record Hill Wind LLC	IPP	Record Hill Wind	ME	57568	RHW	50.6	WND	WT

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2012	1	S Montana Elec Gen and Trans Coop Inc	IPP	Highwood Generating Station	MT	57480	GTG1	40.5	NG	GT
2012	1	Terra-Gen Operating Co LLC	IPP	St Clair	MI	57835	AW08	150.0	WND	WT
2012	1	Tucson Electric Power Co	Electric Utility	UASTP II	AZ	57717	UATP2	2.8	SUN	PV
2012	1	Zotos International	Industrial	Zotos International WPGF	NY	57648	WT1	1.7	WND	WT
2012	1	Zotos International	Industrial	Zotos International WPGF	NY	57648	WT2	1.7	WND	WT
Year-to-Date Capacity of New Units								20,726.8		
Year-to-Date Capacity of Retired Units								2,773.0		
Year-to-Date U.S. Capacity¹								1,057,090.6		

¹ Data presented in this table are preliminary. As of the time of the publication of this report, the data for the latest month may not include all operational status updates.
NA = Not available.

Notes: • See Glossary for definitions. • Totals may not equal sum of components because of independent rounding. • Descriptions for the Energy Source and Prime Mover codes listed in the table can be obtained from the Form EIA-860 instructions at the following link: <http://www.eia.gov/cneaf/electricity/forms/eia860/eia860.pdf>

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

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	1	AERA Energy LLC-Oxford	Industrial	Oxford Cogeneration Facility	CA	52093	GEN1	2.4	NG	GT
2011	1	AERA Energy LLC-Oxford	Industrial	Oxford Cogeneration Facility	CA	52093	GEN2	2.4	NG	GT
2011	1	Aera Energy LLC-Weir	Industrial	Weir Cogen Plant	CA	50848	GT1	3.2	NG	GT
2011	1	City of Hugoton	Electric Utility	Hugoton 1	KS	1289	6	1.2	DFO	IC
2011	1	Dynegy South Bay LLC	IPP	Dynegy South Bay Power Plant	CA	310	2	150.0	NG	ST
2011	1	Dynegy South Bay LLC	IPP	Dynegy South Bay Power Plant	CA	310	5	14.0	JF	GT
2011	1	Dynegy South Bay LLC	IPP	Dynegy South Bay Power Plant	CA	310	ST1	146.0	NG	ST
2011	1	Erving Paper Mills Inc	Industrial	Erving Paper Mills	MA	54228	1	.3	RFO	ST
2011	1	Sierra Pacific Power Co	Electric Utility	Valley Road	NV	6530	2	2.0	DFO	IC
2011	2	BP PLC	Industrial	Whiting Refinery	IN	52130	15TG	5.0	OG	ST
2011	2	City of Garland	Electric Utility	C E Newman	TX	3574	5	37.0	NG	ST
2011	2	GenOn Potrero LLC	IPP	Potrero Power	CA	273	3	206.0	NG	ST
2011	2	GenOn Potrero LLC	IPP	Potrero Power	CA	273	4	52.0	DFO	GT
2011	2	GenOn Potrero LLC	IPP	Potrero Power	CA	273	5	52.0	DFO	GT
2011	2	GenOn Potrero LLC	IPP	Potrero Power	CA	273	6	52.0	DFO	GT
2011	2	Hutchinson Utilities Comm	Electric Utility	Hutchinson Plant #1	MN	1980	5	1.7	DFO	IC
2011	2	Hutchinson Utilities Comm	Electric Utility	Hutchinson Plant #1	MN	1980	6	1.7	DFO	IC
2011	2	Hutchinson Utilities Comm	Electric Utility	Hutchinson Plant #1	MN	1980	7	4.5	NG	IC
2011	3	City of San Antonio - (TX)	Electric Utility	W B Tuttle	TX	3613	1	60.0	NG	ST
2011	3	City of San Antonio - (TX)	Electric Utility	W B Tuttle	TX	3613	3	100.0	NG	ST
2011	3	City of San Antonio - (TX)	Electric Utility	W B Tuttle	TX	3613	4	154.0	NG	ST
2011	3	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	6	40.0	DFO	ST
2011	3	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	7	45.0	BIT	ST
2011	3	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	8	75.0	BIT	ST
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5,100	1.6	DFO	IC
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5,200	1.6	DFO	IC
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5,300	1.6	DFO	IC
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5,400	1.6	DFO	IC
2011	3	Industrial Energy Applications Inc	IPP	Alliant SBD 9402 Climax	IA	54930	5,500	1.6	DFO	IC
2011	4	City of Hopkinton	Electric Utility	Hopkinton	IA	8108	IC3	1.2	DFO	IC
2011	4	Public Service Co of NM	Electric Utility	Las Vegas	NM	2447	1	20.0	DFO	GT
2011	4	WM Illinois Renewable Energy LLC	IPP	CID Gas Recovery	IL	50573	GEN1	2.9	LFG	GT
2011	5	Ashland Inc	Industrial	Ashland Inc	MO	10207	GEN1	8.6	BIT	ST
2011	5	Ashland Inc	Industrial	Ashland Inc	MO	10207	GEN2	8.6	BIT	ST
2011	5	City of Hopkinton	Electric Utility	Hopkinton	IA	8108	IC2	1.7	DFO	IC
2011	5	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	3	75.0	BIT	ST
2011	5	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	4	38.0	BIT	ST
2011	5	Exelon Power	IPP	Cromby Generating Station	PA	3159	1	144.0	BIT	ST
2011	5	Exelon Power	IPP	Eddystone Generating Station	PA	3161	1	279.0	BIT	ST

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant and Month, 2011 and 2012

Year	Month	Company	Producer Type	Plant	State	Plant ID	Generating Unit ID	Net Summer Capacity (megawatts)	Energy Source	Prime Mover
2011	5	IVEX Packaging Paper LLC	Industrial	IVEX Packaging	IL	52032	1	3.5	NG	GT
2011	7	City of Unalaska	Electric Utility	Dutch Harbor	AK	7502	1	.3	DFO	IC
2011	7	City of Unalaska	Electric Utility	Dutch Harbor	AK	7502	2	.3	DFO	IC
2011	7	City of Unalaska	Electric Utility	Dutch Harbor	AK	7502	3	.5	DFO	IC
2011	7	City of Unalaska	Electric Utility	Dutch Harbor	AK	7502	4	.7	DFO	IC
2011	7	City of Unalaska	Electric Utility	Dutch Harbor	AK	7502	5	.5	DFO	IC
2011	7	City of Unalaska	Electric Utility	Dutch Harbor	AK	7502	6	1.2	DFO	IC
2011	9	Georgia Power Co	Electric Utility	Jack McDonough	GA	710	2	247.0	BIT	ST
2011	9	Progress Energy Carolinas Inc	Electric Utility	W H Weatherspoon	NC	2716	1	48.0	BIT	ST
2011	9	Progress Energy Carolinas Inc	Electric Utility	W H Weatherspoon	NC	2716	2	48.0	BIT	ST
2011	9	Progress Energy Carolinas Inc	Electric Utility	W H Weatherspoon	NC	2716	3	74.0	BIT	ST
2011	10	Duke Energy Carolinas, LLC	Electric Utility	Cliffside	NC	2721	1	38.0	BIT	ST
2011	10	Duke Energy Carolinas, LLC	Electric Utility	Cliffside	NC	2721	2	38.0	BIT	ST
2011	10	Duke Energy Carolinas, LLC	Electric Utility	Cliffside	NC	2721	3	61.0	BIT	ST
2011	10	Duke Energy Carolinas, LLC	Electric Utility	Cliffside	NC	2721	4	61.0	BIT	ST
2011	10	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	2	106.0	BIT	ST
2011	10	WM Renewable Energy LLC	IPP	Timberline Trail Gas Recovery	WI	56525	GEN6	.8	LFG	IC
2011	10	WM Renewable Energy LLC	IPP	Timberline Trail Gas Recovery	WI	56525	GEN7	.8	LFG	IC
2011	12	Exelon Power	IPP	Cromby Generating Station	PA	3159	2	201.0	RFO	ST
2011	12	Exelon Power	IPP	Cromby Generating Station	PA	3159	ICI	2.7	DFO	IC
2011	12	USG Nevada LLC	IPP	Empire	NV	50760	OE11	.9	GEO	ST
2011	12	USG Nevada LLC	IPP	Empire	NV	50760	OE12	.9	GEO	ST
2011	12	USG Nevada LLC	IPP	Empire	NV	50760	OE13	.9	GEO	ST
2011	12	USG Nevada LLC	IPP	Empire	NV	50760	OE14	.9	GEO	ST
2012	1	Montana-Dakota Utilities Co	Electric Utility	Williston	ND	2791	2	4.7	NG	GT
2012	1	Westar Energy Inc	Electric Utility	Tecumseh Energy Center	KS	1252	1	18.0	NG	GT
2012	1	Westar Energy Inc	Electric Utility	Tecumseh Energy Center	KS	1252	2	19.0	NG	GT
Year-to-Date Capacity of Retirements¹								2,773.0		

¹ As of the time of the publication of this report, the data for the latest month may not include all operational status updates.

Notes: • See Glossary for definitions. • Totals may not equal sum of components because of independent rounding. • Descriptions for the Energy Source and Prime Mover codes listed in the table can be obtained from the Form EIA-860 instructions at the following link: <http://www.eia.gov/cneaf/electricity/forms/eia860/eia860.pdf>

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

Chapter 1. Net Generation

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 1997 through December 2011
(Thousand Megawatthours)

Period	Coal ¹	Petroleum Liquids ²	Petroleum Coke	Natural Gas	Other Gases ³	Nuclear	Hydroelectric Conventional	Other Renewables ⁴	Hydroelectric Pumped Storage	Other ⁵	Total
1997	1,845,016	82,773	9,782	479,399	13,351	628,644	356,453	77,183	-4,040	3,612	3,492,172
1998	1,873,516	116,859	11,941	531,257	13,492	673,702	323,336	77,088	-4,467	3,571	3,620,295
1999	1,881,087	107,276	10,785	556,396	14,126	728,254	319,536	79,423	-6,097	4,024	3,694,810
2000	1,966,265	102,160	9,061	601,038	13,955	753,893	275,573	80,906	-5,539	4,794	3,802,105
2001	1,903,956	114,647	10,233	639,129	9,039	768,826	216,961	70,769	-8,823	11,906	3,736,644
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	-5,535	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											
January	171,925	4,968	1,136	66,390	807	74,102	23,490	11,739	-501	936	354,993
February	140,916	2,267	1,051	62,139	784	64,227	17,812	11,231	-413	875	300,887
March	135,530	2,089	1,260	68,203	834	67,241	17,827	12,950	-315	984	310,603
April	125,935	1,658	1,148	61,159	758	59,408	25,770	12,986	-272	987	289,537
May	131,673	2,053	1,156	68,146	773	65,395	29,560	11,864	-349	1,035	311,306
June	148,087	2,090	1,153	84,205	876	69,735	29,233	11,467	-226	1,038	347,658
July	158,234	2,124	1,234	101,894	966	72,949	23,385	11,187	-491	1,061	372,542
August	163,260	2,449	1,193	109,240	1,012	72,245	19,580	11,791	-613	1,064	381,221
September	137,145	1,677	1,176	92,127	1,022	65,752	17,359	10,524	-348	967	327,401
October	139,956	1,815	746	72,603	960	58,021	19,691	12,668	-385	967	307,040
November	136,810	1,315	757	63,285	910	59,069	21,008	12,810	-330	1,000	296,635
December	166,434	1,468	954	71,590	930	70,710	24,730	13,061	-383	1,014	350,507
Total	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											
January	173,320	3,187	1,161	74,173	909	72,569	22,383	12,805	-565	1,014	360,957
February	153,044	1,251	1,122	66,198	825	65,245	20,590	10,901	-351	909	319,735
March	144,406	1,272	1,198	63,431	1,010	64,635	20,886	14,654	-325	1,002	312,168
April	126,952	1,220	1,067	64,644	943	57,611	19,097	15,607	-335	996	287,800
May	143,272	1,851	1,143	73,665	1,017	66,658	25,079	14,631	-441	1,060	327,936
June	165,491	2,656	1,333	92,268	964	68,301	29,854	14,209	-472	1,153	375,759
July	179,600	2,970	1,441	114,624	963	71,913	24,517	13,107	-557	1,146	409,725
August	177,745	2,419	1,157	121,151	1,061	71,574	20,119	13,100	-600	1,158	408,884
September	148,746	1,675	1,108	93,004	954	69,371	17,265	13,227	-421	1,116	346,045
October	132,270	1,221	1,007	77,738	808	62,751	17,683	13,791	-438	1,090	307,921
November	135,185	1,220	860	69,227	907	62,655	19,562	15,782	-467	1,079	306,010
December	167,258	2,395	1,128	77,573	952	73,683	23,169	15,359	-530	1,131	362,119
Total	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											
January	170,983	1,821	1,447	74,458	910	72,743	26,148	14,930	-426	842	363,855
February	138,295	1,166	1,035	65,852	770	64,789	24,687	16,224	-247	781	313,351
March	134,717	1,245	1,208	66,169	955	65,662	31,737	16,811	-350	938	319,092
April	124,293	1,458	821	70,529	913	54,547	31,629	18,352	-467	918	302,994
May	137,493	1,338	860	75,769	848	57,017	33,105	17,777	-419	967	324,757
June	158,308	1,399	1,040	91,096	980	65,270	32,253	17,435	-568	971	368,184
July	176,709	1,699	1,312	120,377	1,059	72,345	31,570	14,094	-709	1,024	419,480
August	171,472	1,286	1,121	119,646	999	71,339	26,320	13,965	-663	965	406,450
September	141,220	1,175	1,073	91,377	958	66,849	21,500	13,135	-554	873	337,606
October	126,872	1,083	851	79,078	949	63,354	20,036	16,729	-572	898	309,279
November	121,197	1,044	679	75,637	923	64,474	21,374	18,478	-441	903	304,268
December	132,706	1,125	875	86,606	1,005	71,837	24,715	17,063	-496	982	336,419
Total	1,734,265	15,840	12,322	1,016,595	11,269	790,225	325,074	194,993	-5,912	11,064	4,105,734
Year-to-Date											
2009	1,755,904	25,972	12,964	920,979	10,632	798,855	273,445	144,279	-4,627	11,928	3,950,331
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	167,173	-5,501	12,855	4,125,060
2011	1,734,265	15,840	12,322	1,016,595	11,269	790,225	325,074	194,993	-5,912	11,064	4,105,734
Rolling 12 Months Ending in December											
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	167,173	-5,501	12,855	4,125,060
2011	1,734,265	15,840	12,322	1,016,595	11,269	790,225	325,074	194,993	-5,912	11,064	4,105,734

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other".

Biogenic municipal solid waste is included in "Other Renewables." Beginning with the collection of Form EIA-923 in January 2008, the methodology for separating the fuel used for electricity generation and useful thermal output from combined heat and power plants changed, and at plants that utilize multiple fuels, may have resulted in a reallocation of the total plant generation across those fuels. The new methodology was retroactively applied to 2004-2007. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.1.A. Net Generation by Other Renewables: Total (All Sectors), 1997 through December 2011
(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels ¹	Geothermal	Other Biomass ²	Total (Other Renewables)
1997	3,288	511	36,948	14,726	21,709	77,183
1998	3,026	502	36,338	14,774	22,448	77,088
1999	4,488	495	37,041	14,827	22,572	79,423
2000	5,593	493	37,595	14,093	23,131	80,906
2001	6,737	543	35,200	13,741	14,548	70,769
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						
January	5,951	7	3,030	1,289	1,462	11,739
February	5,852	30	2,823	1,168	1,357	11,231
March	7,099	78	2,919	1,300	1,553	12,950
April	7,458	99	2,664	1,222	1,542	12,986
May	6,262	110	2,735	1,235	1,522	11,864
June	5,599	103	2,997	1,209	1,558	11,467
July	4,955	121	3,227	1,255	1,628	11,187
August	5,464	116	3,355	1,251	1,604	11,791
September	4,651	95	3,061	1,217	1,501	10,524
October	6,814	68	3,032	1,221	1,533	12,668
November	6,875	40	3,049	1,273	1,572	12,810
December	6,906	21	3,158	1,368	1,608	13,061
Total	73,886	891	36,050	15,009	18,443	144,279
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
September	7,106	138	3,157	1,253	1,575	13,227
October	7,944	75	3,003	1,222	1,547	13,791
November	9,748	77	3,080	1,252	1,625	15,782
December	9,059	44	3,275	1,330	1,650	15,359
Total	94,652	1,212	37,172	15,219	18,917	167,173
2011						
January	8,659	31	3,258	1,478	1,503	14,930
February	10,528	80	2,896	1,326	1,393	16,224
March	10,537	113	3,041	1,465	1,655	16,811
April	12,447	161	2,788	1,337	1,619	18,352
May	11,635	201	2,802	1,438	1,702	17,777
June	10,887	257	3,243	1,363	1,685	17,435
July	7,382	226	3,348	1,372	1,767	14,094
August	7,342	236	3,290	1,380	1,717	13,965
September	6,883	183	3,113	1,334	1,621	13,135
October	10,623	169	2,876	1,393	1,669	16,729
November	12,354	78	2,980	1,377	1,689	18,478
December	10,469	79	3,311	1,439	1,765	17,063
Total	119,747	1,814	36,946	16,700	19,786	194,993
Year-to-Date						
2009	73,886	891	36,050	15,009	18,443	144,279
2010	94,652	1,212	37,172	15,219	18,917	167,173
2011	119,747	1,814	36,946	16,700	19,786	194,993
Rolling 12 Months Ending in December						
2010	94,652	1,212	37,172	15,219	18,917	167,173
2011	119,747	1,814	36,946	16,700	19,786	194,993

¹ 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.

² Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Beginning with the collection of Form EIA-923 in January 2008, the methodology 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. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.2. Net Generation by Energy Source: Electric Utilities, 1997 through December 2011
(Thousand Megawatthours)

Period	Coal ¹	Petroleum Liquids ²	Petroleum Coke	Natural Gas	Other Gases ³	Nuclear	Hydroelectric Conventional	Other Renewables ⁴	Hydroelectric Pumped Storage	Other ⁵	Total
1997	1,787,806	74,372	3,381	283,625	--	628,644	341,273	7,462	-4,040	--	3,122,523
1998	1,807,480	105,440	4,718	309,222	--	673,702	308,844	7,206	-4,441	--	3,212,171
1999	1,767,679	82,981	3,948	296,381	--	725,036	299,914	3,716	-5,982	--	3,173,674
2000	1,696,619	69,653	2,527	290,715	--	705,433	253,155	2,241	-4,960	--	3,015,383
2001	1,560,146	74,729	4,179	264,434	--	534,207	197,804	1,666	-7,704	486	2,629,946
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											
January	127,120	2,478	689	24,215	5	39,454	21,395	1,226	-408	42	216,218
February	104,124	1,428	598	23,155	4	33,754	15,938	1,133	-308	31	179,859
March	100,800	1,302	797	26,547	7	34,856	19,416	1,424	-230	44	184,963
April	93,785	1,232	706	22,948	7	31,064	23,209	1,303	-172	47	174,130
May	99,462	1,635	711	26,181	8	33,796	26,842	1,258	-245	46	189,695
June	113,625	1,673	663	33,129	8	36,633	26,688	1,157	-139	44	213,482
July	119,897	1,679	661	38,571	9	39,076	20,998	985	-372	42	221,545
August	123,280	1,812	665	40,382	9	38,084	17,473	1,167	-463	42	222,452
September	105,887	1,328	629	35,179	10	34,002	15,917	975	-247	39	193,720
October	105,590	1,455	302	27,570	7	30,109	17,915	1,309	-271	32	184,019
November	104,003	979	295	24,404	9	29,344	19,056	1,385	-235	38	179,276
December	124,517	1,034	466	26,885	12	37,103	22,350	1,294	-279	35	213,417
Total	1,322,092	18,035	7,182	349,166	96	417,275	247,198	14,617	-3,369	483	2,372,776
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
September	110,642	1,207	803	36,692	2	37,188	15,854	1,441	-353	45	203,521
October	97,612	877	645	31,613	1	31,226	15,718	1,542	-361	43	178,917
November	99,803	835	511	27,567	1	32,112	17,612	1,778	-397	34	179,858
December	123,456	1,752	730	30,978	2	38,722	20,970	1,610	-439	39	217,820
Total	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011											
January	126,544	1,167	1,055	28,838	2	37,742	24,211	1,711	-500	23	220,793
February	103,550	863	666	24,765	1	34,119	22,779	1,913	-305	19	188,371
March	102,225	963	756	26,000	2	34,201	28,983	1,940	-277	22	194,814
April	93,628	1,165	505	28,539	2	28,964	28,777	2,084	-404	24	183,282
May	104,414	1,042	516	30,848	7	28,505	30,149	1,970	-367	17	197,103
June	119,811	992	711	37,952	7	34,635	29,880	1,773	-492	27	225,296
July	132,936	1,106	917	49,437	2	38,444	29,495	1,403	-613	23	253,150
August	128,803	930	787	48,924	2	37,435	24,420	1,378	-570	29	242,139
September	105,089	861	789	36,959	3	34,639	19,534	1,348	-471	17	198,767
October	94,027	826	583	32,534	3	33,558	17,957	2,009	-488	21	181,030
November	89,880	805	401	29,768	5	34,107	19,418	2,129	-381	23	176,154
December	99,472	837	599	33,418	3	38,952	22,163	2,062	-438	23	197,091
Total	1,300,377	11,556	8,286	407,983	38	415,302	297,766	21,719	-5,306	267	2,457,990
Year-to-Date											
2009	1,322,092	18,035	7,182	349,166	96	417,275	247,198	14,617	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011	1,300,377	11,556	8,286	407,983	38	415,302	297,766	21,719	-5,306	267	2,457,990
Rolling 12 Months Ending in December											
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011	1,300,377	11,556	8,286	407,983	38	415,302	297,766	21,719	-5,306	267	2,457,990

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other".

Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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. • Other energy sources include batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.3. Net Generation by Energy Source: Independent Power Producers, 1997 through December 2011
(Thousand Megawatthours)

Period	Coal ¹	Petroleum Liquids ²	Petroleum Coke	Natural Gas	Other Gases ³	Nuclear	Hydroelectric Conventional	Other Renewables ⁴	Hydroelectric Pumped Storage	Other ⁵	Total
1997	32,955	3,976	4,751	115,971	1,533	--	9,375	38,228	--	63	206,852
1998	42,713	6,525	5,528	140,070	2,315	--	9,023	38,937	-26	159	245,245
1999	90,938	19,635	4,975	176,615	1,607	3,218	14,749	44,548	-115	139	356,309
2000	246,492	27,929	5,083	227,263	2,028	48,460	18,183	47,162	-579	125	622,146
2001	322,681	35,532	4,709	290,506	586	234,619	15,945	40,593	-1,119	6,055	950,107
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											
January	43,505	2,242	327	35,753	214	34,648	1,922	8,266	-94	514	127,298
February	35,619	646	327	33,009	208	30,473	1,724	7,998	-105	464	110,362
March	33,514	624	354	35,290	232	32,385	2,208	9,259	-85	514	114,294
April	31,018	280	340	32,352	224	28,344	2,361	9,531	-100	514	104,864
May	31,064	281	338	35,944	226	31,599	2,522	8,422	-104	509	110,801
June	33,220	282	376	44,462	245	33,101	2,368	8,040	-87	523	122,529
July	37,046	341	430	55,916	279	33,873	2,245	7,741	-119	545	138,296
August	38,636	526	388	61,254	269	34,161	1,970	8,081	-150	552	145,687
September	30,063	245	405	49,763	288	31,749	1,346	7,180	-101	506	121,443
October	33,077	271	312	38,282	272	27,912	1,637	8,933	-114	490	111,073
November	31,641	247	326	32,331	247	29,725	1,809	9,015	-94	489	105,735
December	40,629	323	367	37,482	256	33,608	2,198	9,393	-105	527	124,678
Total	419,031	6,306	4,288	491,839	2,962	381,579	24,308	101,860	-1,259	6,146	1,437,061
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
September	36,515	401	197	48,806	238	32,183	1,334	9,391	-68	540	129,537
October	33,051	267	248	39,263	169	31,525	1,843	9,914	-77	527	116,729
November	34,012	310	224	34,738	218	30,543	1,813	11,642	-70	545	113,975
December	42,038	540	280	38,897	205	34,962	2,054	11,282	-91	562	130,729
Total	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011											
January	42,613	575	260	38,200	245	35,000	1,790	10,733	74	491	129,982
February	33,203	244	268	34,422	204	30,670	1,738	12,096	58	462	113,364
March	30,939	225	338	33,350	249	31,461	2,554	12,510	-72	565	112,118
April	29,439	226	216	35,169	248	25,583	2,645	13,970	-63	566	108,000
May	31,380	251	243	37,719	243	28,511	2,739	13,519	-51	563	115,117
June	36,866	347	226	46,080	275	30,635	2,217	13,118	-76	585	130,274
July	41,914	538	278	63,328	294	33,901	1,947	10,150	-96	615	152,869
August	40,769	302	224	63,066	291	33,903	1,796	10,075	-94	587	150,920
September	34,369	240	185	47,433	285	32,210	1,841	9,339	-83	536	126,354
October	31,174	205	177	39,873	276	29,796	1,947	12,364	-84	535	116,264
November	29,988	199	193	38,649	237	30,367	1,803	13,883	-60	542	115,801
December	31,840	238	182	45,296	263	32,885	2,358	12,408	-59	601	126,012
Total	414,493	3,590	2,791	522,585	3,110	374,923	25,375	144,166	-607	6,649	1,497,075
Year-to-Date											
2009	419,031	6,306	4,288	491,839	2,962	381,579	24,308	101,860	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011	414,493	3,590	2,791	522,585	3,110	374,923	25,375	144,166	-607	6,649	1,497,075
Rolling 12 Months Ending in December											
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011	414,493	3,590	2,791	522,585	3,110	374,923	25,375	144,166	-607	6,649	1,497,075

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Beginning with the collection of Form EIA-923 in January 2008, the methodology 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. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.4. Net Generation by Energy Source: Commercial Combined Heat and Power Sector, 1997 through December 2011

(Thousand Megawatthours)

Period	Coal ¹	Petroleum Liquids ²	Petroleum Coke	Natural Gas	Other Gases ³	Nuclear	Hydroelectric Conventional	Other Renewables ⁴	Hydroelectric Pumped Storage	Other ⁵	Total
1997	1,040	424	3	4,725	3	--	120	2,385	--	*	8,701
1998	985	380	3	4,879	7	--	120	2,373	--	--	8,748
1999	995	431	3	4,607	*	--	115	2,412	--	*	8,563
2000	1,097	429	3	4,262	*	--	100	2,012	--	*	7,903
2001	995	434	4	4,434	*	--	66	1,025	--	457	7,416
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											
January	105	43	1	362	--	--	9	133	--	64	717
February	92	19	1	333	--	--	6	122	--	54	627
March	86	11	1	344	--	--	10	148	--	68	668
April	74	11	--	324	--	--	9	147	--	69	633
May	76	9	--	310	--	--	9	156	--	79	640
June	82	5	--	345	--	--	9	156	--	77	675
July	96	8	--	394	--	--	2	157	--	75	733
August	109	12	1	414	--	--	1	155	--	77	769
September	89	8	1	374	--	--	1	149	--	70	693
October	85	8	--	346	--	--	3	148	--	70	659
November	94	10	1	311	--	--	6	153	--	73	648
December	107	12	1	367	--	--	7	144	--	65	703
Total	1,096	157	5	4,225	--	--	71	1,769	--	842	8,165
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
September	89	9	1	421	*	--	2	152	--	77	750
October	80	6	1	419	*	--	4	137	--	66	712
November	69	3	1	401	*	--	6	138	--	64	683
December	88	11	1	476	*	--	11	141	--	66	793
Total	1,111	117	7	4,725	3	--	80	1,714	--	834	8,592
2011											
January	103	12	1	402	--	--	9	143	--	68	739
February	95	7	1	350	--	--	10	130	--	62	656
March	97	6	1	341	--	--	12	138	--	71	666
April	71	5	--	347	1	--	11	124	--	63	622
May	77	6	--	373	1	--	9	165	--	82	714
June	82	8	--	368	*	--	9	149	--	76	693
July	96	13	--	431	*	--	11	159	--	81	791
August	86	7	--	408	1	--	4	165	--	81	752
September	76	6	--	356	1	--	3	155	--	76	674
October	63	8	--	359	1	--	5	158	--	75	668
November	64	5	*	378	*	--	6	161	--	75	691
December	78	5	1	413	1	--	6	159	--	75	739
Total	989	90	3	4,526	6	--	95	1,808	--	886	8,403
Year-to-Date											
2009	1,096	157	5	4,225	--	--	71	1,769	--	842	8,165
2010	1,111	117	7	4,725	3	--	80	1,714	--	834	8,592
2011	989	90	3	4,526	6	--	95	1,808	--	886	8,403
Rolling 12 Months Ending in December											
2010	1,111	117	7	4,725	3	--	80	1,714	--	834	8,592
2011	989	90	3	4,526	6	--	95	1,808	--	886	8,403

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

* = Value is less than half of the 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: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Beginning with the collection of Form EIA-923 in January 2008, the methodology 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. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.5. Net Generation by Energy Source: Industrial Combined Heat and Power Sector, 1997 through December 2011

(Thousand Megawatthours)

Period	Coal ¹	Petroleum Liquids ²	Petroleum Coke	Natural Gas	Other Gases ³	Nuclear	Hydroelectric Conventional	Other Renewables ⁴	Hydroelectric Pumped Storage	Other ⁵	Total
1997	23,214	4,001	1,648	75,078	11,814	--	5,685	29,107	--	3,549	154,097
1998	22,337	4,514	1,692	77,085	11,170	--	5,349	28,572	--	3,412	154,132
1999	21,474	4,229	1,860	78,793	12,519	--	4,758	28,747	--	3,885	156,264
2000	22,056	4,149	1,448	78,798	11,927	--	4,135	29,491	--	4,669	156,673
2001	20,135	3,952	1,341	79,755	8,454	--	3,145	27,485	--	4,908	149,175
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											
January	1,194	204	119	6,059	587	--	165	2,114	--	316	10,760
February	1,081	174	125	5,642	571	--	144	1,978	--	325	10,040
March	1,130	152	109	6,022	595	--	193	2,119	--	358	10,678
April	1,058	135	103	5,534	527	--	191	2,005	--	357	9,910
May	1,070	128	107	5,710	539	--	187	2,029	--	401	10,170
June	1,160	130	114	6,269	623	--	169	2,114	--	394	10,973
July	1,195	96	143	7,013	678	--	140	2,305	--	400	11,968
August	1,235	99	140	7,189	734	--	136	2,387	--	393	12,314
September	1,105	96	142	6,810	725	--	95	2,220	--	352	11,545
October	1,204	80	132	6,405	680	--	136	2,278	--	375	11,289
November	1,072	79	136	6,239	655	--	137	2,257	--	400	10,975
December	1,181	99	120	6,855	662	--	175	2,229	--	387	11,709
Total	13,686	1,474	1,489	75,748	7,574	--	1,868	26,033	--	4,457	132,329
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
September	1,499	58	107	7,085	713	--	76	2,244	--	455	12,238
October	1,527	71	113	6,443	637	--	117	2,199	--	455	11,562
November	1,301	72	124	6,520	688	--	130	2,224	--	436	11,493
December	1,677	92	118	7,223	744	--	134	2,326	--	464	12,777
Total	18,441	844	1,414	81,583	8,343	--	1,668	26,576	--	5,214	144,082
2011											
January	1,723	67	131	7,017	663	--	137	2,342	--	259	12,341
February	1,447	52	100	6,314	564	--	160	2,086	--	238	10,961
March	1,457	52	113	6,478	705	--	188	2,222	--	280	11,494
April	1,155	62	100	6,473	662	--	196	2,175	--	265	11,089
May	1,622	39	100	6,829	597	--	208	2,123	--	304	11,822
June	1,549	53	102	6,696	698	--	147	2,394	--	282	11,921
July	1,763	42	117	7,181	762	--	118	2,382	--	305	12,669
August	1,814	46	111	7,248	706	--	100	2,347	--	268	12,639
September	1,686	68	98	6,629	670	--	123	2,293	--	245	11,811
October	1,609	44	91	6,312	669	--	126	2,198	--	268	11,317
November	1,266	36	85	6,841	680	--	147	2,304	--	263	11,623
December	1,317	45	93	7,480	738	--	188	2,433	--	283	12,577
Total	18,406	604	1,242	81,500	8,115	--	1,838	27,300	--	3,261	142,266
Year-to-Date											
2009	13,686	1,474	1,489	75,748	7,574	--	1,868	26,033	--	4,457	132,329
2010	18,441	844	1,414	81,583	8,343	--	1,668	26,576	--	5,214	144,082
2011	18,406	604	1,242	81,500	8,115	--	1,838	27,300	--	3,261	142,266
Rolling 12 Months Ending in December											
2010	18,441	844	1,414	81,583	8,343	--	1,668	26,576	--	5,214	144,082
2011	18,406	604	1,242	81,500	8,115	--	1,838	27,300	--	3,261	142,266

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ 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.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • Beginning with the collection of Form EIA-923 in January 2008, the methodology 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. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 1.6.A. Net Generation by State by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	10,340	11,266	-8.2	321	563	9,458	10,156	71	71	490	475
Connecticut	3,039	2,910	4.5	NM	6	3,002	2,873	NM	5	25	25
Maine	1,520	1,505	1.0	NM	*	1,057	1,060	18	14	445	431
Massachusetts	2,610	3,394	-23.1	NM	51	2,519	3,283	42	46	NM	13
New Hampshire	1,785	2,158	-17.3	210	444	1,572	1,708	NM	3	NM	4
Rhode Island	720	679	6.0	NM	*	715	676	NM	3	--	--
Vermont	666	621	7.3	69	62	594	557	--	--	NM	2
Middle Atlantic	35,886	39,076	-8.2	3,274	3,080	32,121	35,424	119	174	371	398
New Jersey	5,396	5,693	-5.2	-14	-20	5,322	5,604	37	34	52	75
New York	11,329	11,925	-5.0	3,092	2,958	8,087	8,763	62	116	87	88
Pennsylvania	19,161	21,457	-10.7	196	142	18,712	21,057	21	24	232	235
East North Central	52,023	57,505	-9.5	26,228	29,744	24,832	26,743	121	117	842	902
Illinois	16,851	18,184	-7.3	897	1,031	15,720	16,848	42	49	193	256
Indiana	10,213	11,907	-14.2	8,694	10,291	1,231	1,329	21	20	267	266
Michigan	9,164	8,934	2.6	6,856	6,777	2,155	2,019	46	39	107	100
Ohio	10,279	12,853	-20.0	5,877	7,540	4,309	5,214	--	--	94	100
Wisconsin	5,516	5,628	-2.0	3,904	4,105	1,417	1,333	NM	9	182	180
West North Central	28,411	30,177	-5.8	25,279	27,608	2,766	2,161	48	44	319	363
Iowa	4,862	4,920	-1.2	3,653	3,935	1,026	802	19	22	163	162
Kansas	4,109	3,751	9.5	3,872	3,563	237	188	--	--	--	--
Minnesota	4,396	5,122	-14.2	3,535	4,337	715	613	NM	11	132	161
Missouri	7,796	8,967	-13.1	7,673	8,842	104	105	14	10	NM	10
Nebraska	3,024	3,349	-9.7	2,938	3,306	81	28	NM	1	NM	13
North Dakota	3,275	3,206	2.2	2,857	2,898	403	291	NM	*	NM	17
South Dakota	949	861	10.3	750	727	200	133	NM	*	--	--
South Atlantic	59,870	72,704	-17.7	48,821	59,908	9,415	11,177	52	53	1,583	1,566
Delaware	556	262	112.4	NM	1	505	261	--	--	48	--
District of Columbia	--	5	--	--	--	--	5	--	--	--	--
Florida	16,845	19,204	-12.3	15,314	17,337	1,044	1,401	NM	6	481	460
Georgia	9,376	12,039	-22.1	7,921	10,438	1,024	1,154	NM	2	428	444
Maryland	3,144	4,242	-25.9	NM	*	3,104	4,205	NM	3	35	34
North Carolina	9,167	12,381	-26.0	8,588	11,620	429	524	7	12	144	226
South Carolina	8,395	9,834	-14.6	8,162	9,546	53	121	NM	*	179	168
Virginia	5,889	7,071	-16.7	4,626	5,473	1,073	1,417	32	29	158	153
West Virginia	6,500	7,666	-15.2	4,207	5,494	2,183	2,090	--	--	109	82
East South Central	31,487	35,913	-12.3	26,272	31,409	4,385	3,696	NM	20	820	788
Alabama	13,262	13,867	-4.4	9,632	10,856	3,217	2,638	--	--	413	373
Kentucky	8,205	9,344	-12.2	8,150	9,269	NM	15	--	--	53	61
Mississippi	4,214	4,797	-12.2	2,899	3,602	1,158	1,037	NM	2	154	156
Tennessee	5,807	7,905	-26.5	5,591	7,682	9	7	NM	18	200	198
West South Central	52,963	51,967	1.9	19,889	19,836	26,615	25,587	37	45	6,422	6,499
Arkansas	5,208	5,399	-3.5	3,919	4,004	1,115	1,219	NM	*	174	176
Louisiana	8,414	8,693	-3.2	3,929	3,999	1,872	2,143	NM	4	2,608	2,548
Oklahoma	5,652	5,451	3.7	4,450	4,477	1,139	898	NM	1	61	74
Texas	33,689	32,424	3.9	7,591	7,356	22,490	21,327	30	40	3,578	3,702
Mountain	31,645	30,963	2.2	25,453	24,828	5,963	5,869	20	15	210	252
Arizona	8,729	9,201	-5.1	8,067	8,068	642	1,102	NM	4	NM	28
Colorado	4,483	4,509	-6	3,463	3,602	1,012	901	NM	--	NM	6
Idaho	1,107	870	27.3	706	576	353	235	--	--	48	58
Montana	2,804	2,630	6.6	648	657	2,156	1,964	--	--	NM	9
Nevada	2,776	2,530	9.8	1,898	1,781	854	732	NM	4	19	13
New Mexico	3,506	3,235	8.4	2,998	2,706	501	523	NM	6	NM	*
Utah	3,470	3,432	1.1	3,309	3,271	127	127	NM	*	34	35
Wyoming	4,769	4,556	4.7	4,363	4,168	318	284	--	--	89	103
Pacific Contiguous	32,319	30,975	4.3	20,439	19,705	10,185	9,580	206	197	1,490	1,493
California	17,167	16,906	1.5	8,100	8,185	7,543	7,204	198	186	1,326	1,332
Oregon	5,477	5,213	5.1	4,125	4,002	1,308	1,157	NM	2	42	52
Washington	9,675	8,856	9.2	8,214	7,518	1,334	1,219	5	9	121	110
Pacific Noncontiguous ..	1,473	1,573	-6.4	1,115	1,139	273	335	55	57	31	42
Alaska	641	669	-4.2	591	611	NM	19	26	26	NM	13
Hawaii	832	904	-8.0	523	528	259	316	29	31	21	29
U.S. Total	336,419	362,119	-7.1	197,091	217,820	126,012	130,729	739	793	12,577	12,777

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.6.B. Net Generation by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	123,434	129,728	-4.9	4,307	5,581	112,840	117,860	846	796	5,442	5,490
Connecticut	33,603	33,350	.8	69	66	33,165	32,908	66	70	302	306
Maine	15,778	17,019	-7.3	NM	2	10,675	11,881	211	179	4,891	4,957
Massachusetts	38,371	42,805	-10.4	554	803	37,128	41,336	499	497	190	169
New Hampshire	20,141	22,196	-9.3	2,984	3,979	17,109	18,163	16	20	NM	34
Rhode Island	8,771	7,739	13.3	11	11	8,706	7,696	54	32	--	--
Vermont	6,771	6,620	2.3	687	721	6,056	5,874	--	--	NM	25
Middle Atlantic	430,041	432,396	-.5	37,219	35,533	387,160	391,064	1,303	1,423	4,359	4,376
New Jersey	64,456	65,682	-1.9	-170	-186	63,634	64,727	384	402	607	740
New York	137,346	136,962	.3	35,646	34,633	100,055	100,516	651	765	994	1,047
Pennsylvania	228,239	229,752	-.7	1,743	1,086	223,472	225,821	268	256	2,757	2,588
East North Central	628,915	645,996	-2.6	332,647	347,716	285,162	286,667	1,424	1,433	9,681	10,180
Illinois	198,989	201,352	-1.2	11,680	12,418	184,537	185,763	437	432	2,334	2,738
Indiana	120,761	125,181	-3.5	103,471	107,853	13,970	13,989	227	235	3,093	3,105
Michigan	109,408	111,551	-1.9	86,195	89,667	21,387	20,045	628	624	1,199	1,215
Ohio	135,652	143,598	-5.5	85,367	92,198	49,294	50,374	--	--	991	1,026
Wisconsin	64,105	64,314	-.3	45,934	45,580	15,974	16,496	132	142	2,064	2,096
West North Central	333,111	332,835	.1	298,757	303,334	30,047	25,134	469	519	3,838	3,849
Iowa	56,938	57,509	-1.0	43,886	46,189	10,898	9,316	184	239	1,970	1,765
Kansas	45,565	47,924	-4.9	42,810	45,270	2,755	2,654	--	--	--	--
Minnesota	53,573	53,670	-.2	44,529	45,429	7,319	6,469	127	143	1,598	1,630
Missouri	95,088	92,313	3.0	92,817	90,177	2,062	1,897	146	125	63	114
Nebraska	34,950	36,630	-4.6	34,106	36,243	793	214	12	13	39	160
North Dakota	34,940	34,740	.6	30,737	31,344	4,037	3,216	NM	*	167	180
South Dakota	12,056	10,050	20.0	9,873	8,682	2,183	1,367	NM	*	--	--
South Atlantic	765,116	802,695	-4.7	628,727	664,005	118,574	120,707	593	573	17,221	17,410
Delaware	6,548	5,628	16.4	NM	30	6,230	5,598	--	--	285	--
District of Columbia	130	200	-35.1	--	--	130	200	--	--	--	--
Florida	223,985	229,096	-2.2	202,121	206,062	16,462	17,501	73	69	5,329	5,464
Georgia	125,094	137,577	-9.1	107,084	120,426	13,242	12,293	23	23	4,745	4,835
Maryland	41,913	43,607	-3.9	9	3	41,449	43,115	46	40	409	449
North Carolina	118,126	128,678	-8.2	110,621	121,251	5,695	5,203	63	78	1,746	2,146
South Carolina	103,246	104,153	-.9	99,946	100,611	1,347	1,804	NM	2	1,951	1,737
Virginia	66,994	72,966	-8.2	53,243	58,902	11,616	11,848	386	362	1,750	1,855
West Virginia	79,080	80,789	-2.1	55,670	56,720	22,404	23,145	--	--	1,006	924
East South Central	387,888	387,204	.2	334,506	340,896	44,106	37,179	116	123	9,160	9,006
Alabama	157,169	152,151	3.3	119,417	122,766	33,324	25,166	--	--	4,428	4,218
Kentucky	98,184	98,218	.0	97,509	97,472	130	171	--	--	546	574
Mississippi	51,617	54,487	-5.3	39,195	40,841	10,573	11,779	23	22	1,826	1,845
Tennessee	80,918	82,349	-1.7	78,385	79,816	79	63	93	101	2,361	2,369
West South Central	678,881	647,831	4.8	258,112	251,309	347,214	324,017	523	576	73,031	71,929
Arkansas	61,426	61,000	.7	44,796	47,108	14,672	11,952	NM	6	1,953	1,934
Louisiana	105,263	102,885	2.3	54,938	51,681	22,089	22,863	47	47	28,190	28,294
Oklahoma	75,148	72,251	4.0	58,933	57,421	15,307	13,927	30	26	879	876
Texas	437,043	411,695	6.2	99,445	95,099	295,146	275,274	442	497	42,010	40,824
Mountain	363,432	366,054	-.7	290,732	284,497	69,760	77,896	218	212	2,721	3,449
Arizona	108,295	111,751	-3.1	94,192	91,233	13,763	20,142	69	72	271	304
Colorado	51,392	50,721	1.3	40,961	39,584	10,341	11,072	NM	4	67	61
Idaho	15,968	12,025	32.8	12,080	8,589	3,363	2,830	--	--	525	606
Montana	29,911	29,791	.4	8,720	6,271	21,188	23,417	--	--	NM	103
Nevada	32,352	35,146	-8.0	21,627	23,711	10,474	11,172	59	62	193	201
New Mexico	38,380	36,252	5.9	32,466	30,848	5,840	5,329	68	73	NM	*
Utah	40,522	42,249	-4.1	38,140	39,522	1,577	1,526	NM	*	804	1,201
Wyoming	46,613	48,119	-3.1	42,546	44,739	3,215	2,408	--	--	853	973
Pacific Contiguous	377,684	362,725	4.1	260,565	226,139	98,420	116,319	2,325	2,389	16,373	17,877
California	199,634	204,126	-2.2	105,436	96,940	77,280	88,876	2,228	2,300	14,690	16,010
Oregon	60,568	55,127	9.9	49,687	41,143	10,412	13,373	23	21	446	590
Washington	117,481	103,473	13.5	105,441	88,057	10,728	14,070	74	68	1,238	1,277
Pacific Noncontiguous ..	17,233	17,596	-2.1	12,417	12,621	3,791	3,911	586	547	439	516
Alaska	6,851	6,760	1.4	6,298	6,205	186	204	268	234	99	116
Hawaii	10,382	10,836	-4.2	6,119	6,416	3,605	3,707	318	313	340	400
U.S. Total	4,105,734	4,125,060	-.5	2,457,990	2,471,632	1,497,075	1,500,754	8,403	8,592	142,266	144,082

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.7.A. Net Generation from Coal by State by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	367	1,301	-71.8	148	363	215	935	--	--	NM	4
Connecticut	--	277	--	--	--	--	277	--	--	--	--
Maine	3	6	-53.1	--	--	2	4	--	--	1	2
Massachusetts	216	656	-67.1	--	--	213	654	--	--	NM	2
New Hampshire	148	363	-59.2	148	363	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	7,613	12,181	-37.5	*	7	7,490	12,053	*	1	122	119
New Jersey	95	622	-84.7	--	--	95	622	--	--	--	--
New York	327	1,403	-76.7	*	7	298	1,370	--	1	29	25
Pennsylvania	7,191	10,156	-29.2	--	--	7,097	10,061	*	*	93	94
East North Central	31,047	37,615	-17.5	21,743	26,331	8,990	10,964	22	19	291	300
Illinois	7,715	8,547	-9.7	876	1,021	6,678	7,361	5	7	155	158
Indiana	8,400	10,326	-18.7	7,633	9,544	749	767	14	10	NM	4
Michigan	4,413	4,900	-9.9	4,362	4,850	30	32	*	--	21	19
Ohio	7,137	10,031	-28.9	5,571	7,193	1,534	2,804	--	--	32	34
Wisconsin	3,383	3,811	-11.2	3,302	3,723	--	--	NM	2	80	86
West North Central	19,428	21,663	-10.3	19,160	21,356	--	--	21	27	248	280
Iowa	3,098	3,505	-11.6	2,921	3,328	--	--	15	17	162	160
Kansas	2,817	2,616	7.7	2,817	2,616	--	--	--	--	--	--
Minnesota	2,092	2,841	-26.4	2,022	2,753	--	--	--	--	70	88
Missouri	6,440	7,508	-14.2	6,430	7,489	--	--	5	10	NM	9
Nebraska	2,185	2,254	-3.1	2,181	2,243	--	--	--	--	NM	11
North Dakota	2,542	2,644	-3.9	2,533	2,632	--	--	--	--	NM	12
South Dakota	255	296	-13.8	255	296	--	--	--	--	--	--
South Atlantic	21,318	34,904	-38.9	17,462	29,189	3,635	5,417	7	13	214	285
Delaware	40	167	-76.0	--	--	40	167	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	3,356	5,605	-40.1	3,226	5,310	113	264	--	--	NM	31
Georgia	3,846	6,403	-39.9	3,792	6,327	--	--	--	--	54	76
Maryland	1,266	2,471	-48.8	--	--	1,249	2,447	--	--	17	23
North Carolina	3,494	7,058	-50.5	3,332	6,791	134	223	6	11	NM	33
South Carolina	2,161	3,510	-38.4	2,148	3,481	--	13	--	--	13	16
Virginia	976	2,291	-57.4	826	1,844	NM	381	NM	2	51	64
West Virginia	6,180	7,399	-16.5	4,139	5,437	2,000	1,922	--	--	40	40
East South Central	13,621	18,546	-26.6	13,157	18,075	320	330	NM	2	142	139
Alabama	3,448	5,034	-31.5	3,411	4,990	3	10	--	--	34	34
Kentucky	7,689	8,507	-9.6	7,689	8,507	--	--	--	--	--	--
Mississippi	786	1,151	-31.7	469	831	317	320	--	--	--	--
Tennessee	1,698	3,854	-55.9	1,587	3,746	--	--	NM	2	108	106
West South Central	19,388	20,914	-7.3	10,912	11,091	8,252	9,371	--	--	225	451
Arkansas	2,505	2,863	-12.5	2,030	2,390	466	462	--	--	9	11
Louisiana	2,102	2,229	-5.7	1,052	973	1,050	1,255	--	--	--	--
Oklahoma	2,825	2,479	14.0	2,663	2,279	141	166	--	--	NM	35
Texas	11,956	13,343	-10.4	5,167	5,450	6,594	7,488	--	--	195	405
Mountain	18,344	18,404	-3	16,474	16,622	1,835	1,725	--	--	NM	58
Arizona	3,816	3,942	-3.2	3,803	3,914	--	--	--	--	NM	27
Colorado	2,910	3,227	-9.8	2,900	3,214	NM	13	--	--	--	--
Idaho	NM	10	--	--	--	--	--	--	--	NM	10
Montana	1,633	1,512	8.0	NM	31	1,606	1,481	--	--	--	--
Nevada	499	621	-19.7	371	484	128	137	--	--	--	--
New Mexico	2,504	2,287	9.5	2,504	2,287	--	--	--	--	--	--
Utah	2,791	2,776	.5	2,756	2,738	NM	38	--	--	--	--
Wyoming	4,186	4,029	3.9	4,114	3,953	NM	55	--	--	NM	20
Pacific Contiguous	1,465	1,530	-4.2	397	406	1,034	1,091	--	--	35	33
California	156	188	-17.1	--	--	125	159	--	--	30	29
Oregon	397	406	-2.4	397	406	--	--	--	--	--	--
Washington	913	936	-2.4	--	--	909	932	--	--	4	4
Pacific Noncontiguous ..	114	200	-42.9	19	16	68	151	26	25	NM	7
Alaska	59	60	-2.1	19	16	NM	19	26	25	--	--
Hawaii	55	140	-60.4	--	--	54	132	--	--	NM	7
U.S. Total	132,706	167,258	-20.7	99,472	123,456	31,840	42,038	78	88	1,317	1,677

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.7.B. Net Generation from Coal by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	7,169	14,080	-49.1	2,213	3,083	4,908	10,937	--	--	47	60
Connecticut	521	2,604	-80.0	--	--	521	2,604	--	--	--	--
Maine	55	87	-37.5	--	--	38	56	--	--	17	31
Massachusetts	4,380	8,306	-47.3	--	--	4,350	8,277	--	--	30	29
New Hampshire	2,213	3,083	-28.2	2,213	3,083	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	114,803	130,370	-11.9	NM	37	113,224	128,913	2	4	1,514	1,416
New Jersey	4,235	6,418	-34.0	--	--	4,235	6,418	--	--	--	--
New York	10,026	13,583	-26.2	NM	37	9,600	13,175	1	2	363	369
Pennsylvania	100,541	110,369	-8.9	--	--	99,389	109,320	NM	2	1,152	1,047
East North Central	398,611	429,540	-7.2	285,652	308,939	109,196	116,714	399	458	3,365	3,429
Illinois	89,831	93,611	-4.0	11,113	11,854	76,812	79,858	34	47	1,871	1,851
Indiana	104,167	112,328	-7.3	95,420	103,205	8,562	8,928	141	150	43	44
Michigan	58,818	65,604	-10.3	58,048	64,767	349	371	202	235	219	232
Ohio	105,623	117,828	-10.4	81,843	89,928	23,472	27,557	--	--	308	344
Wisconsin	40,172	40,169	.0	39,228	39,186	--	--	21	25	923	958
West North Central	231,022	232,041	-.4	227,805	228,740	--	--	232	305	2,985	2,996
Iowa	38,358	41,283	-7.1	36,273	39,368	--	--	145	195	1,940	1,720
Kansas	31,656	32,505	-2.6	31,656	32,505	--	--	--	--	--	--
Minnesota	28,360	28,083	1.0	27,511	27,176	--	--	--	--	849	906
Missouri	78,342	75,047	4.4	78,197	74,829	--	--	87	109	58	109
Nebraska	24,655	23,363	5.5	24,616	23,215	--	--	--	--	39	148
North Dakota	27,065	28,462	-4.9	26,966	28,349	--	--	--	--	99	113
South Dakota	2,586	3,298	-21.6	2,586	3,298	--	--	--	--	--	--
South Atlantic	325,676	372,661	-12.6	272,273	312,646	50,541	56,931	73	91	2,789	2,993
Delaware	1,457	2,568	-43.3	--	--	1,457	2,568	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	52,506	59,897	-12.3	49,494	56,074	2,727	3,465	--	--	286	358
Georgia	60,171	73,298	-17.9	59,453	72,550	--	--	--	--	718	748
Maryland	21,187	23,668	-10.5	--	--	20,988	23,435	--	--	199	233
North Carolina	59,943	71,951	-16.7	57,242	69,274	2,295	2,242	51	65	356	370
South Carolina	34,178	37,671	-9.3	33,927	37,340	74	126	--	--	177	205
Virginia	20,207	25,459	-20.6	17,191	21,366	2,350	3,366	NM	26	645	702
West Virginia	76,027	78,148	-2.7	54,967	56,041	20,652	21,730	--	--	409	377
East South Central	199,103	211,403	-5.8	194,767	206,125	2,557	3,432	21	27	1,758	1,819
Alabama	57,056	63,050	-9.5	56,530	62,502	81	113	--	--	445	435
Kentucky	91,571	91,054	.6	91,571	91,054	--	--	--	--	--	--
Mississippi	9,730	13,629	-28.6	7,255	10,310	2,476	3,319	--	--	--	--
Tennessee	40,746	43,670	-6.7	39,412	42,260	--	--	21	27	1,313	1,384
West South Central	246,432	233,724	5.4	133,827	129,924	108,069	99,956	--	--	4,536	3,845
Arkansas	29,418	28,152	4.5	25,158	26,422	4,159	1,619	--	--	101	111
Louisiana	24,609	23,924	2.9	11,860	11,226	12,749	12,697	--	--	--	--
Oklahoma	34,517	31,475	9.7	32,204	29,103	1,882	1,962	--	--	431	410
Texas	157,888	150,173	5.1	64,604	63,173	89,280	83,677	--	--	4,004	3,323
Mountain	198,745	206,551	-3.8	180,266	184,218	17,495	20,888	--	--	984	1,445
Arizona	43,678	43,644	.1	43,414	43,348	--	--	--	--	264	296
Colorado	34,169	34,559	-1.1	34,002	34,387	167	172	--	--	--	--
Idaho	78	88	-11.5	--	--	--	--	--	--	78	88
Montana	15,307	18,601	-17.7	297	315	15,011	18,286	--	--	--	--
Nevada	5,391	6,997	-23.0	4,076	5,584	1,315	1,413	--	--	--	--
New Mexico	27,141	25,618	5.9	27,141	25,618	--	--	--	--	--	--
Utah	33,067	34,057	-2.9	32,232	32,840	394	378	--	--	441	840
Wyoming	39,914	42,987	-7.1	39,105	42,127	609	639	--	--	201	221
Pacific Contiguous	10,664	14,754	-27.7	3,334	4,126	6,940	10,238	--	--	391	389
California	2,102	2,100	.1	--	--	1,740	1,751	--	--	363	349
Oregon	3,334	4,126	-19.2	3,334	4,126	--	--	--	--	--	--
Washington	5,229	8,527	-38.7	--	--	5,200	8,487	--	--	29	40
Pacific Noncontiguous ..	2,040	2,166	-5.8	178	189	1,563	1,700	262	227	37	49
Alaska	626	620	.8	178	189	186	204	262	227	--	--
Hawaii	1,414	1,546	-8.5	--	--	1,377	1,496	--	--	37	49
U.S. Total	1,734,265	1,847,290	-6.1	1,300,377	1,378,028	414,493	449,709	989	1,111	18,406	18,441

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	17	92	-81.9	4	16	3	59	NM	7	6	11
Connecticut.....	*	24	--	NM	*	*	24	--	--	NM	*
Maine.....	7	35	-80.8	NM	*	NM	23	NM	*	6	11
Massachusetts	8	24	-66.7	2	8	3	11	NM	4	NM	*
New Hampshire	NM	9	--	NM	7	NM	--	NM	3	NM	*
Rhode Island.....	NM	*	--	NM	*	NM	*	NM	*	--	--
Vermont.....	NM	*	--	NM	*	--	--	--	--	--	--
Middle Atlantic	52	226	-76.8	8	71	35	143	NM	1	9	12
New Jersey.....	NM	30	--	NM	*	1	30	NM	*	NM	*
New York.....	32	134	-76.2	7	70	16	53	NM	*	9	11
Pennsylvania.....	19	61	-68.7	NM	*	19	60	NM	*	NM	1
East North Central.....	63	70	-10.1	49	55	13	10	NM	1	1	4
Illinois.....	9	8	11.8	3	2	5	6	NM	*	NM	*
Indiana.....	15	13	12.2	14	9	NM	*	NM	1	1	3
Michigan.....	10	19	-48.2	9	18	NM	*	NM	*	*	1
Ohio.....	26	27	-1.4	21	22	5	4	--	--	*	*
Wisconsin.....	4	4	-7.6	2	4	2	*	NM	*	NM	*
West North Central	22	18	21.1	20	17	1	*	NM	*	NM	*
Iowa.....	5	4	29.8	5	3	NM	*	NM	*	NM	*
Kansas.....	3	3	13.4	3	3	--	--	--	--	--	--
Minnesota.....	NM	1	--	NM	1	1	*	NM	*	NM	*
Missouri.....	4	5	-19.4	4	5	--	--	NM	*	--	*
Nebraska.....	3	2	26.4	3	2	--	--	--	--	--	--
North Dakota.....	5	3	69.8	5	3	--	--	NM	*	NM	*
South Dakota.....	NM	1	--	NM	*	NM	*	NM	*	--	--
South Atlantic	123	1,051	-88.3	81	860	29	159	NM	1	13	32
Delaware.....	2	19	-89.1	NM	*	2	18	--	--	--	--
District of Columbia	--	5	--	--	--	--	5	--	--	--	--
Florida.....	26	571	-95.5	20	516	NM	50	--	--	5	6
Georgia.....	18	28	-36.1	14	12	*	6	NM	*	3	9
Maryland.....	23	50	-53.8	NM	*	22	43	NM	*	*	6
North Carolina.....	15	51	-70.0	13	45	NM	*	NM	*	NM	5
South Carolina.....	8	33	-75.6	8	33	--	33	NM	*	*	1
Virginia.....	17	284	-94.1	11	249	NM	31	*	*	4	4
West Virginia.....	14	11	32.1	14	5	--	6	--	--	--	--
East South Central.....	49	77	-36.6	47	66	NM	2	--	--	NM	9
Alabama.....	14	26	-46.3	12	16	NM	2	--	--	NM	8
Kentucky.....	15	13	10.3	15	13	--	--	--	--	--	--
Mississippi.....	2	2	40.6	2	1	--	--	--	--	--	--
Tennessee.....	18	36	-50.7	18	36	--	--	--	--	NM	*
West South Central.....	25	18	45.0	10	11	9	4	NM	*	6	2
Arkansas.....	7	7	-5	6	5	*	*	--	--	NM	1
Louisiana.....	4	2	75.7	*	1	2	*	--	--	2	1
Oklahoma.....	2	3	-25.0	2	3	--	--	NM	*	NM	--
Texas.....	12	6	121.1	1	2	7	3	NM	*	4	*
Mountain	21	24	-12.6	20	22	1	2	NM	*	NM	*
Arizona.....	4	4	8.6	4	4	--	--	NM	*	NM	*
Colorado.....	2	4	-52.7	2	4	--	--	--	--	4	*
Idaho.....	NM	*	--	NM	*	--	--	--	--	--	--
Montana.....	1	2	-43.4	NM	*	1	2	--	--	--	--
Nevada.....	2	1	94.8	2	1	*	*	--	--	--	--
New Mexico.....	4	5	-20.7	4	5	--	--	NM	*	NM	*
Utah.....	5	6	-13.8	5	6	--	--	--	--	--	--
Wyoming.....	4	3	12.6	4	3	--	--	--	--	NM	*
Pacific Contiguous	5	10	-52.3	3	4	NM	4	NM	*	NM	2
California.....	3	6	-50.9	2	3	NM	3	NM	*	*	*
Oregon.....	*	*	--	*	*	--	--	--	--	--	--
Washington.....	2	4	-54.8	NM	1	NM	2	NM	*	NM	1
Pacific Noncontiguous ..	747	808	-7.5	596	630	145	156	NM	1	6	21
Alaska.....	78	134	-41.8	75	126	--	--	NM	1	NM	6
Hawaii.....	670	674	-7	521	504	145	156	*	*	3	15
U.S. Total.....	1,125	2,395	-53.0	837	1,752	238	540	5	11	45	92

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 2011 and 2010

(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	617	1,065	-42.0	116	114	358	776	62	69	82	106
Connecticut	156	409	-62.0	2	3	153	405	--	--	NM	1
Maine	173	272	-36.4	NM	2	89	165	NM	3	81	103
Massachusetts	199	296	-32.7	42	43	115	205	42	47	NM	1
New Hampshire	75	72	4.3	57	51	NM	*	16	20	NM	*
Rhode Island	12	12	4.8	11	11	NM	1	NM	*	--	--
Vermont	NM	5	--	NM	5	--	--	--	--	--	--
Middle Atlantic	1,425	2,292	-37.8	482	848	833	1,317	8	20	102	107
New Jersey	99	235	-57.8	NM	7	92	225	NM	*	NM	2
New York	921	1,490	-38.2	477	841	342	533	6	17	96	100
Pennsylvania	405	567	-28.6	NM	1	398	559	NM	3	NM	5
East North Central	775	787	-1.5	649	607	110	145	4	10	12	25
Illinois	83	110	-24.2	27	25	56	84	NM	*	NM	*
Indiana	165	155	6.6	156	138	NM	*	NM	2	7	15
Michigan	178	190	-6.1	173	176	NM	*.1	2	9	2	5
Ohio	316	298	5.8	266	239	48	57	--	--	2	3
Wisconsin	34	35	-2.9	27	29	6	4	NM	*	NM	2
West North Central	286	348	-17.8	276	337	4	4	NM	2	4	5
Iowa	72	80	-10.1	70	77	NM	2	NM	*	NM	*
Kansas	39	45	-12.4	39	45	--	--	--	--	--	--
Minnesota	27	31	-13.9	21	26	2	1	NM	2	NM	2
Missouri	73	118	-38.1	72	117	--	--	NM	*	NM	1
Nebraska	27	31	-12.2	27	31	--	--	--	--	--	--
North Dakota	41	38	6.6	38	36	--	--	NM	*	NM	2
South Dakota	8	6	32.4	8	6	NM	*	NM	*	--	--
South Atlantic	2,927	8,560	-65.8	2,261	7,320	495	1,002	5	5	166	232
Delaware	37	56	-33.9	NM	1	37	55	--	--	--	--
District of Columbia	130	200	-35.1	--	--	130	200	--	--	--	--
Florida	1,368	5,922	-76.9	1,319	5,667	10	209	--	--	38	46
Georgia	134	155	-14.0	72	71	3	20	2	3	56	62
Maryland	220	322	-31.8	5	3	211	310	NM	*	3	9
North Carolina	216	293	-26.5	190	246	NM	5	NM	*	23	43
South Carolina	110	163	-32.7	98	150	--	--	NM	1	11	12
Virginia	525	1,293	-59.4	398	1,034	91	197	1	1	36	61
West Virginia	189	155	22.1	178	148	10	6	--	--	--	--
East South Central	508	621	-18.1	461	510	5	16	--	--	42	96
Alabama	139	200	-30.5	96	98	5	16	--	--	38	86
Kentucky	136	123	10.9	136	123	--	--	--	--	--	--
Mississippi	36	81	-55.4	34	77	--	--	--	--	3	5
Tennessee	197	217	-9.1	195	212	--	--	--	--	NM	5
West South Central	256	285	-10.4	133	166	100	88	NM	1	21	30
Arkansas	56	45	23.7	32	37	21	5	--	--	NM	3
Louisiana	48	106	-54.1	23	78	19	18	--	--	7	10
Oklahoma	16	14	15.4	15	13	--	--	NM	1	NM	*
Texas	136	121	12.0	63	38	60	65	NM	1	11	16
Mountain	247	265	-6.7	221	245	22	16	NM	1	3	3
Arizona	54	66	-18.4	51	63	--	--	NM	*	3	3
Colorado	NM	17	--	NM	17	3	*	*	*	NM	*
Idaho	NM	*	--	NM	*	--	--	--	--	--	--
Montana	15	13	13.1	NM	*	14	13	--	--	--	--
Nevada	15	11	34.8	11	8	4	3	--	--	--	--
New Mexico	36	50	-28.8	35	49	--	--	NM	*	NM	*
Utah	50	50	-3	50	50	--	--	--	--	--	--
Wyoming	55	56	-1.5	55	56	--	--	--	--	NM	*
Pacific Contiguous	80	90	-10.4	47	48	19	26	NM	1	13	15
California	45	54	-17.0	36	41	7	11	NM	*	NM	2
Oregon	8	3	127.3	7	3	--	--	--	--	1	*
Washington	28	32	-14.1	5	4	12	15	NM	*	10	13
Pacific Noncontiguous	8,718	9,024	-3.4	6,909	7,064	1,644	1,727	7	8	NM	225
Alaska	900	937	-4.0	851	885	--	--	5	7	43	45
Hawaii	7,818	8,087	-3.3	6,058	6,179	1,644	1,727	1	1	NM	180
U.S. Total	15,840	23,337	-32.1	11,556	17,258	3,590	5,117	90	117	604	844

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	52	--	--	--	52	--	--	--	NM	--
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	52	--	--	--	--	52	--	--	--	--
Pennsylvania	NM	--	--	--	--	--	--	--	--	NM	--
East North Central	139	177	-21.0	17	40	91	102	--	--	31	35
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	NM	13	--	NM	--	7	6	--	--	NM	6
Ohio	88	103	-14.9	--	--	84	95	--	--	NM	8
Wisconsin	37	61	-39.7	16	40	--	--	--	--	21	21
West North Central	1	10	-88.7	*	9	--	--	1	1	--	--
Iowa	1	7	-85.3	*	6	--	--	1	1	--	--
Kansas	--	2	--	--	2	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	200	344	-41.8	172	304	--	--	--	--	28	40
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	172	304	-43.5	172	304	--	--	--	--	--	--
Georgia	28	40	-28.7	--	--	--	--	--	--	28	40
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	77	176	-56.2	77	176	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	77	176	-56.2	77	176	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	365	251	45.7	332	201	--	7	--	--	NM	42
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	356	236	51.0	332	201	--	--	--	--	NM	35
Oklahoma	NM	*	--	--	--	--	--	--	--	NM	*
Texas	NM	14	--	--	--	--	7	--	--	NM	7
Mountain	44	43	1.1	--	--	44	43	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	44	43	1.1	--	--	44	43	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	48	76	-37.4	--	--	48	76	--	--	--	--
California	48	76	-37.4	--	--	48	76	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous ..	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	875	1,128	-22.4	599	730	182	280	1	1	93	118

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

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	250	519	-51.8	--	--	234	515	--	--	NM	4
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	234	515	-54.6	--	--	234	515	--	--	--	--
Pennsylvania	NM	4	--	--	--	--	--	--	--	NM	4
East North Central	1,867	2,020	-7.6	348	469	1,141	1,125	--	--	378	425
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	175	193	-9.0	NM	20	67	71	--	--	89	102
Ohio	1,145	1,144	.1	--	--	1,075	1,054	--	--	71	90
Wisconsin	547	684	-20.0	329	450	--	--	--	--	217	234
West North Central	91	141	-35.4	88	135	--	--	3	7	--	--
Iowa	72	75	-3.3	69	68	--	--	3	7	--	--
Kansas	19	58	-67.5	19	58	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	8	--	--	8	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	2,313	3,713	-37.7	1,898	3,228	--	--	--	--	415	485
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,898	3,200	-40.7	1,898	3,200	--	--	--	--	--	--
Georgia	415	485	-14.5	--	--	--	--	--	--	415	485
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	28	--	--	28	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	1,596	2,162	-26.2	1,596	2,162	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	1,596	2,162	-26.2	1,596	2,162	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	4,950	3,767	31.4	4,355	2,813	162	455	--	--	433	499
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	4,668	3,175	47.0	4,355	2,813	--	--	--	--	313	362
Oklahoma	NM	5	--	--	--	--	--	--	--	NM	5
Texas	276	587	-53.0	--	--	162	455	--	--	114	132
Mountain	443	395	12.0	--	--	443	395	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	443	395	12.0	--	--	443	395	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	812	1,006	-19.3	--	--	812	1,006	--	--	--	--
California	812	1,006	-19.3	--	--	812	1,006	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous ..	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	12,322	13,724	-10.2	8,286	8,807	2,791	3,497	3	7	1,242	1,414

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.10.A. Net Generation from Natural Gas by State by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	5,020	4,864	3.2	NM	27	4,697	4,530	48	50	267	258
Connecticut.....	1,290	912	41.5	NM	3	1,258	879	NM	5	24	24
Maine.....	724	719	.7	--	--	494	499	NM	*	230	220
Massachusetts	1,662	1,969	-15.6	4	16	1,609	1,901	39	41	NM	11
New Hampshire	637	597	6.7	*	7	635	587	--	--	NM	3
Rhode Island.....	706	666	5.9	--	--	702	664	NM	3	--	--
Vermont.....	*	*	--	*	*	--	--	--	--	--	--
Middle Atlantic	10,069	8,830	14.0	895	1,002	9,009	7,583	55	114	109	131
New Jersey	2,038	2,041	-.2	--	--	1,989	1,979	NM	8	41	54
New York	4,026	3,579	12.5	894	1,001	3,068	2,456	43	100	22	23
Pennsylvania	4,004	3,209	24.8	NM	1	3,953	3,149	NM	5	45	54
East North Central.....	4,897	3,726	31.4	1,602	1,127	3,131	2,412	68	78	96	110
Illinois.....	273	357	-23.5	NM	5	198	275	36	42	27	35
Indiana.....	1,234	931	32.6	998	678	187	199	NM	6	46	48
Michigan.....	1,390	1,240	12.1	29	42	1,327	1,158	22	26	NM	14
Ohio.....	1,391	945	47.2	256	291	1,131	649	--	--	NM	5
Wisconsin.....	608	253	140.2	307	111	288	131	NM	3	NM	8
West North Central	552	782	-29.4	487	712	38	52	19	9	NM	9
Iowa.....	NM	99	--	NM	98	--	*	NM	1	*	*
Kansas.....	70	97	-28.5	70	97	--	--	--	--	--	--
Minnesota.....	217	235	-7.5	168	194	34	28	NM	8	NM	5
Missouri.....	237	342	-30.9	224	318	NM	25	8	*	NM	*
Nebraska.....	4	7	-37.6	4	5	NM	*	*	*	--	2
North Dakota.....	NM	1	--	*	*	--	--	--	--	NM	1
South Dakota.....	NM	*	--	NM	*	--	--	--	--	--	--
South Atlantic	17,734	15,583	13.8	14,149	12,075	3,293	3,314	NM	2	290	191
Delaware.....	484	65	650.1	NM	1	451	64	--	--	30	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	10,932	9,830	11.2	10,166	8,946	581	753	NM	2	183	129
Georgia.....	2,077	2,058	.9	1,012	883	1,010	1,133	--	--	56	42
Maryland.....	105	141	-25.4	--	--	100	137	--	*	NM	4
North Carolina.....	1,176	735	60.1	953	534	219	195	*	*	NM	6
South Carolina.....	1,044	1,064	-1.9	999	960	44	103	--	*	1	1
Virginia.....	1,908	1,670	14.2	1,016	741	882	921	--	--	11	9
West Virginia.....	6	19	-68.8	1	10	4	9	--	--	NM	1
East South Central.....	7,307	7,346	-.5	3,108	3,830	4,036	3,333	NM	18	155	165
Alabama.....	4,519	4,011	12.7	1,222	1,315	3,194	2,604	--	--	103	92
Kentucky.....	58	257	-77.3	39	211	1	14	--	--	18	33
Mississippi.....	2,417	2,584	-6.4	1,545	1,838	841	715	NM	2	30	28
Tennessee.....	312	494	-36.9	302	467	--	--	NM	16	4	12
West South Central.....	22,818	19,698	15.8	5,044	5,294	12,339	9,171	33	40	5,402	5,193
Arkansas.....	777	860	-9.7	118	90	638	749	NM	*	22	21
Louisiana.....	4,005	4,131	-3.0	1,062	1,211	675	798	NM	4	2,264	2,117
Oklahoma.....	2,135	2,529	-15.6	1,552	2,110	571	407	NM	1	NM	11
Texas.....	15,901	12,178	30.6	2,313	1,884	10,456	7,216	26	35	3,105	3,043
Mountain	5,710	5,476	4.3	3,428	2,994	2,180	2,389	18	14	84	79
Arizona.....	1,236	1,662	-25.6	609	593	621	1,064	NM	4	NM	*
Colorado.....	972	821	18.5	484	355	487	465	*	--	NM	1
Idaho.....	212	126	68.4	NM	10	191	112	--	--	2	4
Montana.....	NM	25	--	NM	25	NM	*	--	--	NM	1
Nevada.....	1,883	1,566	20.2	1,381	1,160	478	389	NM	4	19	13
New Mexico.....	826	722	14.4	472	397	348	319	NM	6	NM	*
Utah.....	533	504	5.7	462	450	53	40	NM	*	17	14
Wyoming.....	45	50	-9.4	NM	4	NM	1	--	--	44	45
Pacific Contiguous	12,140	10,918	11.2	4,344	3,571	6,572	6,113	161	152	1,063	1,082
California.....	9,548	8,862	7.7	2,980	2,537	5,360	5,110	160	151	1,049	1,064
Oregon.....	1,667	1,473	13.1	622	539	1,037	922	--	--	NM	12
Washington.....	925	582	58.9	743	495	176	80	NM	1	5	6
Pacific Noncontiguous ..	361	351	2.7	354	345	--	--	*	--	NM	6
Alaska.....	361	351	2.7	354	345	--	--	*	--	NM	6
Hawaii.....	--	--	--	--	--	--	--	--	--	--	--
U.S. Total.....	86,606	77,573	11.6	33,418	30,978	45,296	38,897	413	476	7,480	7,223

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Natural gas includes a small amount of supplemental gaseous fuels.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	63,738	58,623	8.7	361	716	59,873	54,399	567	543	2,938	2,966
Connecticut	15,160	11,716	29.4	NM	31	14,771	11,324	66	70	289	291
Maine	7,319	8,374	-12.6	--	--	4,851	5,861	NM	*	2,468	2,512
Massachusetts	25,987	25,582	1.6	243	506	25,141	24,500	447	441	156	134
New Hampshire	6,657	5,365	24.1	80	175	6,552	5,162	--	--	NM	28
Rhode Island	8,612	7,583	13.6	--	--	8,559	7,552	53	31	--	--
Vermont	3	4	-13.4	3	4	--	--	--	--	--	--
Middle Atlantic	117,931	107,535	9.7	12,822	13,411	103,256	92,058	583	700	1,270	1,367
New Jersey	25,095	24,902	.8	--	--	24,518	24,261	97	102	480	539
New York	50,465	48,916	3.2	12,807	13,396	36,983	34,710	428	544	247	266
Pennsylvania	42,371	33,718	25.7	NM	14	41,755	33,087	58	54	542	562
East North Central	47,310	37,073	27.6	14,574	10,236	30,989	24,996	610	596	1,138	1,246
Illinois	5,949	5,724	3.9	485	487	4,708	4,407	403	385	352	445
Indiana	9,897	6,475	52.8	7,216	3,782	2,122	2,128	40	41	518	524
Michigan	12,996	12,249	6.1	1,055	1,173	11,716	10,839	101	97	125	140
Ohio	12,104	7,128	69.8	2,839	1,587	9,219	5,496	--	--	46	45
Wisconsin	6,365	5,497	15.8	2,979	3,205	3,224	2,126	65	73	96	92
West North Central	12,377	13,156	-5.9	10,622	11,045	1,511	1,893	154	124	90	95
Iowa	1,126	1,312	-14.2	1,102	1,297	NM	*	NM	10	NM	6
Kansas	2,759	2,287	20.6	2,759	2,287	--	--	--	--	--	--
Minnesota	3,182	4,341	-26.7	2,387	3,235	650	943	86	104	59	60
Missouri	4,657	4,690	-.7	3,736	3,729	861	950	58	10	NM	1
Nebraska	473	375	26.2	473	362	NM	*	NM	*	--	12
North Dakota	NM	16	--	NM	*	--	--	--	--	NM	16
South Dakota	162	135	20.6	162	135	--	--	--	--	--	--
South Atlantic	214,652	194,794	10.2	170,169	153,414	41,802	39,131	36	30	2,645	2,219
Delaware	4,834	2,865	68.7	NM	29	4,591	2,836	--	--	210	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	138,547	128,634	7.7	127,045	116,880	9,773	10,205	33	28	1,695	1,520
Georgia	26,522	23,884	11.0	12,923	11,282	13,088	12,112	--	--	510	491
Maryland	2,237	2,897	-22.8	--	--	2,179	2,839	NM	*	57	58
North Carolina	11,144	8,447	31.9	8,516	6,277	2,556	2,122	1	1	71	47
South Carolina	12,762	10,927	16.8	11,561	9,323	1,188	1,593	NM	*	12	11
Virginia	18,353	16,999	8.0	10,061	9,574	8,211	7,341	--	--	81	84
West Virginia	254	140	82.2	31	48	215	83	--	--	NM	8
East South Central	82,800	72,997	13.4	39,870	37,975	41,249	33,398	94	96	1,587	1,528
Alabama	48,068	39,235	22.5	14,050	13,520	33,033	24,778	--	--	985	937
Kentucky	1,496	1,841	-18.7	1,167	1,455	121	163	--	--	209	223
Mississippi	30,007	29,619	1.3	21,570	20,812	8,096	8,457	23	22	319	328
Tennessee	3,229	2,302	40.2	3,083	2,189	--	--	72	74	74	39
West South Central	302,604	284,637	6.3	82,321	76,558	160,520	149,140	480	530	59,283	58,409
Arkansas	12,935	12,469	3.7	2,347	2,020	10,378	10,223	NM	1	209	224
Louisiana	54,209	51,344	5.6	22,085	18,924	7,943	8,715	47	47	24,135	23,657
Oklahoma	33,036	33,942	-2.7	24,179	24,945	8,717	8,862	29	25	111	109
Texas	202,425	186,882	8.3	33,711	30,668	133,482	121,339	403	457	34,828	34,418
Mountain	71,144	81,599	-12.8	40,380	40,447	29,758	40,131	195	208	811	813
Arizona	23,403	29,676	-21.1	9,990	9,753	13,344	19,849	65	68	NM	5
Colorado	10,301	11,062	-6.9	5,116	3,803	5,168	7,242	4	4	NM	13
Idaho	1,151	1,689	-31.9	207	170	902	1,489	--	--	41	30
Montana	NM	57	--	NM	33	NM	20	--	--	NM	4
Nevada	21,785	23,688	-8.0	15,395	16,001	6,141	7,426	59	62	191	199
New Mexico	8,695	8,512	2.2	4,985	4,964	3,637	3,475	67	73	NM	*
Utah	5,312	6,455	-17.7	4,615	5,671	528	629	NM	*	169	155
Wyoming	446	459	-2.9	NM	51	NM	3	--	--	387	405
Pacific Contiguous	100,339	133,533	-24.9	33,217	45,130	53,627	73,628	1,807	1,898	11,689	12,876
California	86,856	107,522	-19.2	26,587	31,252	46,919	61,671	1,793	1,883	11,556	12,716
Oregon	8,453	15,651	-46.0	2,841	6,121	5,535	9,411	--	--	78	119
Washington	5,030	10,359	-51.4	3,789	7,757	1,173	2,546	NM	15	55	41
Pacific Noncontiguous ..	3,698	3,750	-1.4	3,647	3,685	--	--	NM	1	50	65
Alaska	3,698	3,750	-1.4	3,647	3,685	--	--	NM	1	50	65
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	1,016,595	987,697	2.9	407,983	392,616	522,585	508,774	4,526	4,725	81,500	81,583

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Natural gas includes a small amount of supplemental gaseous fuels.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	*	3	--	--	--	*	3	--	--	--	--
Connecticut.....	*	3	--	--	--	*	3	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	75	65	15.8	--	--	8	5	NM	*	67	60
New Jersey	11	13	-11.7	--	--	--	--	NM	*	NM	13
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	64	52	22.6	--	--	8	5	--	--	56	47
East North Central.....	244	257	-5.0	*	*	24	32	--	--	221	225
Illinois.....	NM	21	--	--	--	--	--	--	--	NM	21
Indiana.....	194	186	4.2	--	--	--	--	--	--	194	186
Michigan.....	14	25	-42.2	--	--	14	25	--	--	--	--
Ohio.....	27	25	8.0	*	*	9	7	--	--	17	17
Wisconsin.....	--	--	--	--	--	--	--	--	--	--	--
West North Central	NM	4	--	*	1	--	--	--	--	NM	3
Iowa.....	--	--	--	--	--	--	--	--	--	--	--
Kansas.....	--	--	--	--	--	--	--	--	--	--	--
Minnesota.....	--	--	--	--	--	--	--	--	--	--	--
Missouri.....	*	1	--	*	1	--	--	--	--	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--
North Dakota	NM	3	--	--	--	--	--	--	--	NM	3
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	34	4	736.3	--	--	13	*	--	--	22	4
Delaware.....	18	--	--	--	--	--	--	--	--	18	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	1	1	78.7	--	--	*	*	--	--	*	1
Georgia.....	--	--	--	--	--	--	--	--	--	--	--
Maryland.....	12	--	--	--	--	12	--	--	--	--	--
North Carolina.....	--	--	--	--	--	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	--	--	--	--	--
Virginia.....	--	--	--	--	--	--	--	--	--	--	--
West Virginia.....	3	4	-23.5	--	--	--	--	--	--	3	4
East South Central.....	29	24	20.2	*	1	--	--	--	--	29	23
Alabama.....	27	23	21.2	--	--	--	--	--	--	27	23
Kentucky.....	*	1	--	*	1	--	--	--	--	--	--
Mississippi.....	--	*	--	--	--	--	--	--	--	--	*
Tennessee.....	1	1	54.6	--	--	--	--	--	--	1	1
West South Central.....	400	392	1.9	--	--	185	141	--	--	215	251
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	100	144	-30.4	--	--	23	22	--	--	77	122
Oklahoma.....	--	--	--	--	--	--	--	--	--	--	--
Texas.....	299	248	20.7	--	--	162	119	--	--	137	129
Mountain	34	36	-6.5	--	--	1	1	--	--	33	35
Arizona.....	--	--	--	--	--	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	NM	*	--	--	--	*	*	--	--	NM	*
Nevada.....	1	1	-7.9	--	--	1	1	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--
Utah.....	NM	4	--	--	--	--	--	--	--	NM	4
Wyoming.....	30	31	-4.0	--	--	--	--	--	--	30	31
Pacific Contiguous	183	165	11.1	3	1	32	24	--	--	148	140
California.....	151	141	6.8	3	1	--	*	--	--	148	140
Oregon.....	--	--	--	--	--	--	--	--	--	--	--
Washington.....	32	24	36.9	--	--	32	24	--	--	--	--
Pacific Noncontiguous ..	NM	2	--	--	--	--	--	--	--	NM	2
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	NM	2	--	--	--	--	--	--	--	NM	2
U.S. Total.....	1,005	952	5.6	3	2	263	205	1	*	738	744

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	2	14	-86.7	--	--	2	14	--	--	--	--
Connecticut.....	2	14	-86.7	--	--	2	14	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	786	658	19.5	--	--	75	54	6	3	705	601
New Jersey	131	106	22.7	--	--	--	--	6	3	125	104
New York	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania.....	656	552	18.9	--	--	75	54	--	--	580	497
East North Central.....	2,888	2,858	1.1	*	1	383	405	--	--	2,504	2,453
Illinois.....	101	161	-36.9	--	--	*	2	--	--	101	159
Indiana.....	2,238	2,144	4.4	--	--	--	--	--	--	2,238	2,144
Michigan.....	268	299	-10.5	--	--	268	299	--	--	--	--
Ohio.....	281	254	10.5	*	1	115	104	--	--	165	150
Wisconsin.....	*	*	--	*	*	--	--	--	--	--	--
West North Central	47	43	9.8	7	7	--	--	--	--	40	36
Iowa.....	--	--	--	--	--	--	--	--	--	--	--
Kansas.....	--	--	--	--	--	--	--	--	--	--	--
Minnesota.....	--	--	--	--	--	--	--	--	--	--	--
Missouri.....	7	7	-1.9	7	7	--	--	--	--	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--
North Dakota	40	36	12.1	--	--	--	--	--	--	40	36
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	267	263	1.6	--	--	155	215	--	--	112	48
Delaware.....	75	--	--	--	--	--	--	--	--	75	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	7	8	-18.0	--	--	*	*	--	--	6	8
Georgia.....	--	--	--	--	--	--	--	--	--	--	--
Maryland.....	155	215	-28.0	--	--	155	215	--	--	--	--
North Carolina.....	--	--	--	--	--	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	--	--	--	--	--
Virginia.....	--	--	--	--	--	--	--	--	--	--	--
West Virginia.....	30	40	-23.9	--	--	--	--	--	--	30	40
East South Central.....	125	294	-57.5	3	3	--	--	--	--	123	292
Alabama.....	106	277	-61.8	--	--	--	--	--	--	106	277
Kentucky.....	3	3	-3.0	3	3	--	--	--	--	--	--
Mississippi.....	*	2	--	--	--	--	--	--	--	*	2
Tennessee.....	17	13	24.0	--	--	--	--	--	--	17	13
West South Central.....	4,830	4,852	-4	--	--	2,194	1,929	--	--	2,636	2,923
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	1,324	1,561	-15.2	--	--	255	251	--	--	1,069	1,310
Oklahoma.....	--	--	--	--	--	--	--	--	--	--	--
Texas.....	3,507	3,291	6.6	--	--	1,939	1,678	--	--	1,568	1,612
Mountain	309	323	-4.3	--	--	7	6	--	--	302	317
Arizona.....	--	--	--	--	--	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	NM	2	--	--	--	*	*	--	--	NM	2
Nevada.....	7	6	28.5	--	--	7	6	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--
Utah.....	34	36	-5.3	--	--	--	--	--	--	34	36
Wyoming.....	264	279	-5.3	--	--	--	--	--	--	264	279
Pacific Contiguous	1,994	1,987	.4	28	42	293	293	--	--	1,673	1,652
California.....	1,702	1,695	.4	28	42	NM	1	--	--	1,673	1,652
Oregon.....	--	--	--	--	--	--	--	--	--	--	--
Washington.....	292	292	.0	--	--	292	292	--	--	--	--
Pacific Noncontiguous ..	21	22	-5.7	--	--	--	--	--	--	21	22
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	21	22	-5.7	--	--	--	--	--	--	21	22
U.S. Total.....	11,269	11,313	-4	38	52	3,110	2,915	6	3	8,115	8,343

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	3,215	3,426	-6.1	--	--	3,215	3,426	--	--	--	--
Connecticut.....	1,572	1,529	2.8	--	--	1,572	1,529	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	441	503	-12.2	--	--	441	503	--	--	--	--
New Hampshire	737	927	-20.5	--	--	737	927	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	465	467	-5	--	--	465	467	--	--	--	--
Middle Atlantic	13,892	14,051	-1.1	--	--	13,892	14,051	--	--	--	--
New Jersey	3,135	2,883	8.7	--	--	3,135	2,883	--	--	--	--
New York	3,666	3,920	-6.5	--	--	3,666	3,920	--	--	--	--
Pennsylvania.....	7,092	7,248	-2.2	--	--	7,092	7,248	--	--	--	--
East North Central	13,587	13,891	-2.2	2,401	1,865	11,187	12,027	--	--	--	--
Illinois.....	8,119	8,715	-6.8	--	--	8,119	8,715	--	--	--	--
Indiana.....	--	--	--	--	--	--	--	--	--	--	--
Michigan.....	2,963	2,464	20.2	2,401	1,865	562	600	--	--	--	--
Ohio.....	1,487	1,622	-8.3	--	--	1,487	1,622	--	--	--	--
Wisconsin.....	1,018	1,090	-6.6	--	--	1,018	1,090	--	--	--	--
West North Central	3,974	4,181	-4.9	3,513	3,877	461	305	--	--	--	--
Iowa.....	461	305	51.4	--	--	461	305	--	--	--	--
Kansas.....	896	774	15.8	896	774	--	--	--	--	--	--
Minnesota.....	1,103	1,248	-11.6	1,103	1,248	--	--	--	--	--	--
Missouri.....	922	923	-1	922	923	--	--	--	--	--	--
Nebraska.....	592	932	-36.5	592	932	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	17,211	17,946	-4.1	15,894	16,637	1,317	1,310	--	--	--	--
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	1,700	2,236	-24.0	1,700	2,236	--	--	--	--	--	--
Georgia.....	2,897	2,965	-2.3	2,897	2,965	--	--	--	--	--	--
Maryland.....	1,317	1,310	.6	--	--	1,317	1,310	--	--	--	--
North Carolina.....	3,746	3,827	-2.1	3,746	3,827	--	--	--	--	--	--
South Carolina.....	4,834	4,985	-3.0	4,834	4,985	--	--	--	--	--	--
Virginia.....	2,717	2,624	3.6	2,717	2,624	--	--	--	--	--	--
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--
East South Central	7,170	7,063	1.5	7,170	7,063	--	--	--	--	--	--
Alabama.....	3,709	3,685	.6	3,709	3,685	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	883	931	-5.2	883	931	--	--	--	--	--	--
Tennessee.....	2,579	2,446	5.4	2,579	2,446	--	--	--	--	--	--
West South Central	5,668	6,844	-17.2	2,854	3,000	2,813	3,844	--	--	--	--
Arkansas.....	1,371	1,388	-1.3	1,371	1,388	--	--	--	--	--	--
Louisiana.....	1,483	1,612	-8.0	1,483	1,612	--	--	--	--	--	--
Oklahoma.....	--	--	--	--	--	--	--	--	--	--	--
Texas.....	2,813	3,844	-26.8	--	--	2,813	3,844	--	--	--	--
Mountain	2,962	2,978	-5	2,962	2,978	--	--	--	--	--	--
Arizona.....	2,962	2,978	-5	2,962	2,978	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	4,158	3,303	25.9	4,158	3,303	--	--	--	--	--	--
California.....	3,325	2,495	33.3	3,325	2,495	--	--	--	--	--	--
Oregon.....	--	--	--	--	--	--	--	--	--	--	--
Washington.....	833	808	3.0	833	808	--	--	--	--	--	--
Pacific Noncontiguous ..	--	--	--	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	71,837	73,683	-2.5	38,952	38,722	32,885	34,962	--	--	--	--

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.12.B. Net Generation from Nuclear Energy by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	34,283	38,361	-10.6	--	--	34,283	38,361	--	--	--	--
Connecticut.....	15,928	16,750	-4.9	--	--	15,928	16,750	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	5,085	5,918	-14.1	--	--	5,085	5,918	--	--	--	--
New Hampshire	8,363	10,910	-23.3	--	--	8,363	10,910	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	4,907	4,782	2.6	--	--	4,907	4,782	--	--	--	--
Middle Atlantic	152,465	152,469	.0	--	--	152,465	152,469	--	--	--	--
New Jersey	33,606	32,771	2.5	--	--	33,606	32,771	--	--	--	--
New York	42,712	41,870	2.0	--	--	42,712	41,870	--	--	--	--
Pennsylvania.....	76,147	77,828	-2.2	--	--	76,147	77,828	--	--	--	--
East North Central	155,162	154,900	.2	26,248	23,384	128,914	131,516	--	--	--	--
Illinois.....	95,823	96,190	-4	--	--	95,823	96,190	--	--	--	--
Indiana.....	--	--	--	--	--	--	--	--	--	--	--
Michigan.....	32,889	29,625	11.0	26,248	23,384	6,641	6,241	--	--	--	--
Ohio.....	14,890	15,805	-5.8	--	--	14,890	15,805	--	--	--	--
Wisconsin.....	11,560	13,281	-13.0	--	--	11,560	13,281	--	--	--	--
West North Central	40,801	47,535	-14.2	35,586	43,084	5,215	4,451	--	--	--	--
Iowa.....	5,215	4,451	17.2	--	--	5,215	4,451	--	--	--	--
Kansas.....	7,319	9,556	-23.4	7,319	9,556	--	--	--	--	--	--
Minnesota.....	11,962	13,478	-11.2	11,962	13,478	--	--	--	--	--	--
Missouri.....	9,371	8,996	4.2	9,371	8,996	--	--	--	--	--	--
Nebraska.....	6,933	11,054	-37.3	6,933	11,054	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	187,696	190,741	-1.6	173,299	176,747	14,397	13,994	--	--	--	--
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	22,015	23,936	-8.0	22,015	23,936	--	--	--	--	--	--
Georgia.....	32,306	33,512	-3.6	32,306	33,512	--	--	--	--	--	--
Maryland.....	14,397	13,994	2.9	--	--	14,397	13,994	--	--	--	--
North Carolina.....	40,527	40,740	-.5	40,527	40,740	--	--	--	--	--	--
South Carolina.....	52,903	51,988	1.8	52,903	51,988	--	--	--	--	--	--
Virginia.....	25,548	26,572	-3.9	25,548	26,572	--	--	--	--	--	--
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--
East South Central	76,612	75,323	1.7	76,612	75,323	--	--	--	--	--	--
Alabama.....	39,356	37,941	3.7	39,356	37,941	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	10,337	9,643	7.2	10,337	9,643	--	--	--	--	--	--
Tennessee.....	26,919	27,739	-3.0	26,919	27,739	--	--	--	--	--	--
West South Central	70,458	74,997	-6.1	30,809	33,662	39,648	41,335	--	--	--	--
Arkansas.....	14,194	15,023	-5.5	14,194	15,023	--	--	--	--	--	--
Louisiana.....	16,615	18,639	-10.9	16,615	18,639	--	--	--	--	--	--
Oklahoma.....	--	--	--	--	--	--	--	--	--	--	--
Texas.....	39,648	41,335	-4.1	--	--	39,648	41,335	--	--	--	--
Mountain	31,278	31,200	.2	31,278	31,200	--	--	--	--	--	--
Arizona.....	31,278	31,200	.2	31,278	31,200	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	41,470	41,442	.1	41,470	41,442	--	--	--	--	--	--
California.....	36,663	32,201	13.9	36,663	32,201	--	--	--	--	--	--
Oregon.....	--	--	--	--	--	--	--	--	--	--	--
Washington.....	4,806	9,241	-48.0	4,806	9,241	--	--	--	--	--	--
Pacific Noncontiguous ..	--	--	--	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	790,225	806,968	-2.1	415,302	424,843	374,923	382,126	--	--	--	--

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	841	722	16.5	110	100	651	561	NM	1	79	60
Connecticut.....	NM	36	--	NM	3	NM	33	--	--	--	--
Maine.....	390	327	19.3	--	--	315	271	--	--	75	57
Massachusetts	117	102	15.1	NM	24	90	77	NM	1	NM	*
New Hampshire	138	147	-6.2	31	38	106	109	--	--	NM	1
Rhode Island.....	NM	*	--	--	--	NM	*	--	--	--	--
Vermont.....	151	109	37.7	48	35	99	72	--	--	NM	2
Middle Atlantic	3,051	2,649	15.2	2,390	2,068	654	575	NM	*	NM	5
New Jersey	2	2	42.5	--	--	NM	2	--	--	--	--
New York	2,719	2,369	14.8	2,195	1,927	517	436	NM	*	NM	5
Pennsylvania.....	329	278	18.3	195	140	134	138	--	--	--	--
East North Central.....	390	343	13.7	349	313	NM	17	--	*	NM	13
Illinois.....	NM	7	--	NM	2	NM	4	--	--	--	--
Indiana.....	25	39	-37.4	25	39	--	--	--	--	--	--
Michigan.....	119	98	20.9	108	90	NM	6	--	--	NM	2
Ohio.....	NM	32	--	NM	32	--	--	--	--	--	--
Wisconsin.....	207	167	24.0	185	150	NM	7	--	*	NM	11
West North Central	1,028	901	14.1	993	871	NM	18	--	--	NM	11
Iowa.....	100	71	40.7	99	70	NM	1	--	--	--	--
Kansas.....	NM	1	--	--	--	NM	1	--	--	--	--
Minnesota.....	83	77	8.9	51	49	NM	16	--	--	NM	11
Missouri.....	85	55	55.2	85	55	--	--	--	--	--	--
Nebraska.....	128	98	30.5	128	98	--	--	--	--	--	--
North Dakota.....	193	168	14.7	193	168	--	--	--	--	--	--
South Dakota.....	436	430	1.4	436	430	--	--	--	--	--	--
South Atlantic	1,635	1,205	35.6	1,189	898	375	266	NM	1	70	40
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	NM	15	--	NM	15	--	--	--	--	--	--
Georgia.....	275	231	19.0	272	229	NM	1	--	--	NM	2
Maryland.....	309	214	44.5	--	--	309	214	--	--	--	--
North Carolina.....	549	426	28.9	544	422	NM	3	NM	1	NM	*
South Carolina.....	186	105	76.9	179	102	NM	3	NM	*	--	--
Virginia.....	130	93	40.0	121	88	NM	4	--	--	NM	1
West Virginia.....	165	122	36.0	53	43	47	41	--	--	65	38
East South Central.....	2,765	2,243	23.3	2,764	2,242	NM	1	--	--	--	--
Alabama.....	1,278	850	50.5	1,278	850	--	--	--	--	--	--
Kentucky.....	321	360	-10.7	320	359	NM	1	--	--	--	--
Mississippi.....	--	--	--	--	--	--	--	--	--	--	--
Tennessee.....	1,166	1,034	12.8	1,166	1,034	--	--	--	--	--	--
West South Central.....	827	263	214.9	700	199	126	63	--	--	--	--
Arkansas.....	396	134	196.4	390	132	NM	2	--	--	--	--
Louisiana.....	115	61	90.0	--	--	115	61	--	--	--	--
Oklahoma.....	201	47	324.1	201	47	--	--	--	--	--	--
Texas.....	114	21	448.0	110	20	NM	1	--	--	--	--
Mountain	2,713	2,392	13.4	2,334	2,021	379	372	--	--	--	--
Arizona.....	695	585	18.7	695	585	--	--	--	--	--	--
Colorado.....	98	45	117.4	84	40	NM	5	--	--	--	--
Idaho.....	728	597	21.9	688	566	NM	31	--	--	--	--
Montana.....	933	928	.6	614	596	319	332	--	--	--	--
Nevada.....	149	138	7.9	145	135	NM	3	--	--	--	--
New Mexico.....	NM	17	--	NM	17	--	--	--	--	--	--
Utah.....	62	56	11.0	61	55	NM	1	--	--	--	--
Wyoming.....	28	26	9.1	27	26	NM	*	--	--	--	--
Pacific Contiguous	11,312	12,320	-8.2	11,190	12,133	118	178	4	9	NM	*
California.....	1,805	3,268	-44.8	1,729	3,130	76	138	NM	1	--	--
Oregon.....	3,080	3,060	.7	3,055	3,035	NM	24	--	--	--	--
Washington.....	6,427	5,992	7.3	6,406	5,968	NM	16	4	8	NM	*
Pacific Noncontiguous ..	154	132	16.8	144	125	5	2	--	--	NM	5
Alaska.....	142	124	15.1	142	124	--	--	--	--	--	--
Hawaii.....	NM	8	--	NM	2	5	2	--	--	NM	5
U.S. Total.....	24,715	23,169	6.7	22,163	20,970	2,358	2,054	6	11	188	134

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

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.13.B. Net Generation from Hydroelectric (Conventional) Power by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	8,273	8,026	3.1	1,073	1,029	6,457	6,251	NM	5	737	741
Connecticut	401	391	2.6	NM	32	368	358	--	--	--	--
Maine	3,868	3,810	1.5	--	--	3,168	3,105	--	--	700	706
Massachusetts	1,045	996	4.8	245	238	789	749	NM	5	NM	5
New Hampshire	1,564	1,478	5.8	348	328	1,210	1,144	--	--	NM	5
Rhode Island	NM	4	--	--	--	NM	4	--	--	--	--
Vermont	1,392	1,347	3.3	446	430	918	891	--	--	NM	25
Middle Atlantic	30,453	27,822	9.5	24,333	21,960	6,057	5,801	NM	3	60	58
New Jersey	21	18	15.3	--	--	NM	18	--	--	--	--
New York	27,448	25,472	7.8	22,606	20,889	4,779	4,522	NM	3	60	58
Pennsylvania	2,984	2,332	27.9	1,727	1,072	1,257	1,261	--	--	--	--
East North Central	5,474	4,364	25.4	4,945	3,959	313	241	NM	1	215	163
Illinois	134	119	12.8	NM	43	89	75	--	--	--	--
Indiana	403	454	-11.1	403	454	--	--	--	--	--	--
Michigan	1,718	1,251	37.4	1,571	1,143	110	79	--	--	NM	28
Ohio	402	429	-6.3	402	429	--	--	--	--	--	--
Wisconsin	2,817	2,112	33.4	2,524	1,890	113	86	NM	1	178	135
West North Central	14,523	11,936	21.7	14,091	11,607	269	201	NM	1	164	127
Iowa	1,224	948	29.0	1,212	939	NM	9	--	--	--	--
Kansas	NM	13	--	--	--	NM	13	--	--	--	--
Minnesota	1,124	840	33.8	718	534	243	179	--	--	164	127
Missouri	1,200	1,539	-22.0	1,200	1,539	--	--	--	--	--	--
Nebraska	1,773	1,314	34.9	1,773	1,314	--	--	--	--	--	--
North Dakota	2,580	2,042	26.3	2,580	2,042	--	--	--	--	--	--
South Dakota	6,608	5,239	26.1	6,608	5,239	--	--	--	--	--	--
South Atlantic	14,665	15,167	-3.3	10,913	12,395	3,143	2,225	NM	13	596	534
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	183	177	3.4	183	177	--	--	--	--	--	--
Georgia	3,073	3,322	-7.5	3,038	3,288	NM	11	--	--	NM	22
Maryland	2,541	1,667	52.4	--	--	2,541	1,667	--	--	--	--
North Carolina	4,181	4,757	-12.1	4,133	4,709	NM	34	NM	12	NM	2
South Carolina	1,997	2,376	-16.0	1,933	2,313	63	62	NM	1	--	--
Virginia	1,210	1,500	-19.4	1,132	1,425	65	64	--	--	NM	12
West Virginia	1,480	1,367	8.2	494	482	428	387	--	--	558	498
East South Central	21,760	19,422	12.0	21,751	19,413	NM	9	--	--	--	--
Alabama	9,383	8,704	7.8	9,383	8,704	--	--	--	--	--	--
Kentucky	2,941	2,580	14.0	2,932	2,571	NM	9	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	9,436	8,138	16.0	9,436	8,138	--	--	--	--	--	--
West South Central	7,271	8,838	-17.7	6,123	7,634	1,148	1,204	--	--	--	--
Arkansas	3,089	3,659	-15.6	3,030	3,607	59	52	--	--	--	--
Louisiana	1,044	1,109	-5.8	--	--	1,044	1,109	--	--	--	--
Oklahoma	2,027	2,809	-27.8	2,027	2,809	--	--	--	--	--	--
Texas	1,110	1,262	-12.0	1,066	1,219	NM	43	--	--	--	--
Mountain	41,541	30,863	34.6	36,092	26,362	5,448	4,501	--	--	--	--
Arizona	9,284	6,622	40.2	9,284	6,622	--	--	--	--	--	--
Colorado	2,195	1,578	39.1	1,988	1,430	207	148	--	--	--	--
Idaho	12,841	9,154	40.3	11,873	8,419	968	735	--	--	--	--
Montana	12,516	9,415	32.9	8,320	5,855	4,196	3,559	--	--	--	--
Nevada	2,197	2,157	1.9	2,145	2,118	52	40	--	--	--	--
New Mexico	306	217	40.8	306	217	--	--	--	--	--	--
Utah	978	696	40.7	966	686	NM	9	--	--	--	--
Wyoming	1,224	1,024	19.6	1,211	1,014	NM	10	--	--	--	--
Pacific Contiguous	179,399	132,262	35.6	176,815	130,294	2,507	1,905	73	59	NM	3
California	42,449	33,431	27.0	40,507	31,947	1,929	1,477	NM	7	--	--
Oregon	43,047	30,542	40.9	42,717	30,293	330	249	--	--	--	--
Washington	93,903	68,288	37.5	93,592	68,055	247	178	60	53	NM	3
Pacific Noncontiguous ..	1,716	1,504	14.1	1,629	1,450	25	12	--	--	62	42
Alaska	1,607	1,433	12.1	1,607	1,433	--	--	--	--	--	--
Hawaii	109	70	55.1	NM	17	25	12	--	--	62	42
U.S. Total	325,074	260,203	24.9	297,766	236,104	25,375	22,351	95	80	1,838	1,668

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.14.A. Net Generation from Other Renewables by State by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	731	727	.5	53	57	537	523	11	8	131	139
Connecticut.....	70	63	11.4	--	--	70	63	--	--	--	--
Maine.....	360	386	-6.6	--	--	219	239	10	8	131	139
Massachusetts	121	113	7.1	NM	2	118	110	NM	*	--	--
New Hampshire	118	111	6.7	30	30	88	81	--	--	--	*
Rhode Island.....	13	12	3.7	--	--	13	12	--	--	--	--
Vermont.....	50	43	14.7	20	26	29	18	--	--	--	--
Middle Atlantic	985	955	3.2	NM	*	892	859	35	33	58	63
New Jersey.....	83	73	14.4	NM	*	67	58	15	14	--	--
New York.....	482	446	8.1	--	--	451	414	11	8	21	24
Pennsylvania.....	420	436	-3.7	--	--	374	387	9	10	37	38
East North Central	1,648	1,417	16.3	118	98	1,355	1,163	20	12	156	143
Illinois.....	708	486	45.8	NM	1	707	485	NM	*	--	--
Indiana.....	323	386	-16.2	25	20	295	363	NM	2	NM	1
Michigan.....	267	241	10.7	--	--	194	179	13	7	60	55
Ohio.....	96	67	44.2	NM	1	59	31	--	--	36	34
Wisconsin.....	253	238	6.4	91	76	99	105	NM	3	59	53
West North Central	3,370	2,541	32.6	1,084	704	2,234	1,774	NM	5	47	58
Iowa.....	1,177	930	26.5	609	429	564	497	NM	2	1	2
Kansas.....	322	258	24.7	86	71	236	187	--	--	--	--
Minnesota.....	873	698	25.1	177	85	650	557	NM	1	45	55
Missouri.....	104	82	26.1	4	2	100	80	--	--	NM	*
Nebraska.....	111	55	102.5	29	25	81	28	NM	1	--	--
North Dakota.....	527	383	37.5	123	92	403	291	--	--	NM	1
South Dakota.....	256	134	90.8	56	*	200	133	--	--	--	--
South Atlantic	1,512	1,454	4.0	80	90	579	549	27	24	826	791
Delaware.....	12	12	-3	--	--	12	12	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	403	410	-1.7	9	11	225	222	NM	4	165	173
Georgia.....	296	290	1.9	--	--	12	15	NM	2	282	273
Maryland.....	88	36	147.2	NM	*	70	32	NM	3	14	--
North Carolina.....	184	224	-18.1	NM	1	68	98	--	--	116	126
South Carolina.....	202	183	10.5	41	38	2	2	--	--	159	143
Virginia.....	195	187	4.4	29	40	58	57	18	15	91	75
West Virginia.....	132	112	18.0	--	--	132	112	--	--	--	--
East South Central	527	447	17.9	9	*	28	29	--	--	491	418
Alabama.....	265	206	28.4	NM	*	19	22	--	--	246	184
Kentucky.....	44	28	58.3	8	*	--	--	--	--	35	27
Mississippi.....	124	128	-3.3	*	*	1	--	--	--	124	127
Tennessee.....	95	85	11.3	--	--	9	7	--	--	86	79
West South Central	3,407	3,521	-3.2	42	50	2,891	2,985	NM	5	470	480
Arkansas.....	147	146	.8	--	--	5	5	NM	*	141	140
Louisiana.....	218	234	-6.9	--	--	7	6	--	--	210	227
Oklahoma.....	498	403	23.7	42	50	427	326	--	--	29	27
Texas.....	2,544	2,739	-7.1	NM	*	2,452	2,648	NM	5	89	86
Mountain	1,790	1,568	14.1	261	221	1,487	1,303	NM	*	39	44
Arizona.....	27	40	-31.4	6	3	21	36	NM	*	--	--
Colorado.....	509	425	19.9	7	8	500	417	NM	--	NM	--
Idaho.....	161	128	25.0	--	--	122	92	--	--	39	36
Montana.....	157	88	78.3	NM	6	150	74	--	--	--	8
Nevada.....	244	203	19.8	--	--	244	203	--	--	NM	*
New Mexico.....	153	204	-25.1	--	--	153	204	--	--	--	--
Utah.....	62	70	-10.8	25	23	37	47	--	--	--	--
Wyoming.....	477	410	16.3	217	182	260	228	--	--	--	--
Pacific Contiguous	3,010	2,681	12.3	413	386	2,352	2,070	40	36	205	189
California.....	2,143	1,914	12.0	128	126	1,917	1,702	38	34	60	51
Oregon.....	330	270	22.5	52	22	242	207	NM	2	34	39
Washington.....	536	498	7.7	233	238	193	161	--	--	111	99
Pacific Noncontiguous ..	83	47	78.0	NM	2	55	27	16	17	10	*
Alaska.....	NM	1	--	NM	*	--	--	--	--	NM	*
Hawaii.....	81	46	76.9	1	2	55	27	16	17	10	--
U.S. Total	17,063	15,359	11.1	2,062	1,610	12,408	11,282	159	141	2,433	2,326

* = Value is less than half of the 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: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other".

Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Other renewables include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

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

Table 1.14.B. Net Generation from Other Renewables by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	7,882	8,020	-1.7	544	641	5,620	5,701	117	102	1,602	1,577
Connecticut	755	740	2.1	--	--	755	740	--	--	--	--
Maine	3,983	4,152	-4.1	--	--	2,268	2,477	114	99	1,602	1,576
Massachusetts	1,327	1,274	4.2	NM	16	1,300	1,254	NM	3	--	--
New Hampshire	1,208	1,232	-1.9	285	342	923	890	--	--	NM	*
Rhode Island	143	140	2.1	--	--	143	140	--	--	--	--
Vermont	465	482	-3.5	235	282	231	200	--	--	--	--
Middle Atlantic	10,353	9,910	4.5	NM	*	9,248	8,793	392	388	691	728
New Jersey	955	850	12.4	NM	*	775	684	158	166	--	--
New York	4,961	4,815	3.0	--	--	4,615	4,447	118	112	228	255
Pennsylvania	4,437	4,245	4.5	--	--	3,858	3,662	116	111	463	473
East North Central	17,014	14,390	18.2	1,120	1,093	13,919	11,349	249	228	1,726	1,721
Illinois	7,019	5,138	36.6	10	8	7,008	5,130	NM	*	1	*
Indiana	3,601	3,246	11.0	275	274	3,286	2,932	25	24	15	15
Michigan	2,954	2,832	4.3	--	--	2,078	1,985	180	160	696	687
Ohio	882	700	25.9	17	15	475	302	--	--	389	383
Wisconsin	2,558	2,474	3.4	817	796	1,071	999	44	43	626	635
West North Central	33,465	26,420	26.7	9,912	7,314	22,947	18,473	56	55	549	578
Iowa	10,872	9,360	16.1	5,160	4,440	5,670	4,854	26	27	15	39
Kansas	3,759	3,459	8.7	1,018	819	2,741	2,641	--	--	--	--
Minnesota	8,643	6,640	30.2	1,784	867	6,322	5,234	18	16	518	523
Missouri	1,249	988	26.5	44	37	1,201	947	--	--	4	4
Nebraska	1,089	493	120.8	285	267	792	214	12	12	--	--
North Dakota	5,161	4,108	25.6	1,113	879	4,037	3,216	--	--	12	12
South Dakota	2,692	1,372	96.3	509	5	2,183	1,367	--	--	--	--
South Atlantic	16,438	15,494	6.1	993	957	6,104	5,392	306	288	9,035	8,857
Delaware	145	138	4.9	--	--	145	138	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,695	4,487	4.6	165	127	2,574	2,369	39	40	1,916	1,951
Georgia	3,167	3,181	-4	*	*	139	151	21	20	3,007	3,009
Maryland	909	574	58.4	4	*	710	385	45	40	150	149
North Carolina	2,088	2,083	.2	NM	5	779	772	--	--	1,295	1,306
South Carolina	2,127	1,873	13.5	414	403	22	23	--	--	1,690	1,448
Virginia	2,207	2,220	-6	395	423	635	614	201	188	976	995
West Virginia	1,100	939	17.1	*	--	1,099	939	--	--	--	--
East South Central	6,021	5,309	13.4	97	90	284	325	--	--	5,640	4,894
Alabama	3,060	2,377	28.7	NM	1	205	260	--	--	2,853	2,116
Kentucky	432	440	-1.8	95	89	--	--	--	--	337	351
Mississippi	1,497	1,504	-5	*	*	--	2	--	--	1,496	1,503
Tennessee	1,033	988	4.6	--	--	79	63	--	--	954	924
West South Central	41,419	35,957	15.2	662	706	35,372	29,910	42	44	5,343	5,297
Arkansas	1,667	1,624	2.6	--	--	54	52	4	5	1,608	1,567
Louisiana	2,440	2,468	-1.1	--	--	80	73	--	--	2,360	2,394
Oklahoma	5,700	4,160	37.0	660	705	4,709	3,103	--	--	331	352
Texas	31,613	27,705	14.1	NM	1	30,530	26,681	38	39	1,044	984
Mountain	19,260	14,084	36.8	2,617	1,937	16,208	11,635	NM	4	412	507
Arizona	463	319	45.1	54	37	404	278	4	4	--	--
Colorado	4,873	3,555	37.1	80	67	4,769	3,487	NM	--	NM	--
Idaho	1,898	1,014	87.2	--	--	1,493	606	--	--	405	408
Montana	1,243	1,027	21.0	77	68	1,166	862	--	--	--	97
Nevada	2,956	2,287	29.3	--	--	2,954	2,285	--	--	2	2
New Mexico	2,202	1,855	18.7	--	--	2,202	1,855	--	--	--	--
Utah	916	781	17.3	278	274	638	507	--	--	--	--
Wyoming	4,709	3,247	45.0	2,128	1,491	2,581	1,756	--	--	--	--
Pacific Contiguous	42,238	36,824	14.7	5,698	5,175	33,904	28,914	445	431	2,191	2,303
California	28,484	25,450	11.9	1,710	1,629	25,668	22,751	422	410	684	661
Oregon	5,683	4,757	19.5	790	599	4,503	3,674	23	21	367	462
Washington	8,071	6,617	22.0	3,198	2,947	3,733	2,490	--	--	1,140	1,180
Pacific Noncontiguous ..	903	766	17.8	55	14	559	463	177	174	111	114
Alaska	22	19	15.0	16	13	--	--	--	--	6	6
Hawaii	881	747	17.9	39	2	559	463	177	174	106	107
U.S. Total	194,993	167,173	16.6	21,719	17,927	144,166	120,956	1,808	1,714	27,300	26,576

* = Value is less than half of the 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: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other".

Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Other renewables include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	-26	-34	24.9	--	--	-26	-34	--	--	--	--
Connecticut	1	6	-89.4	--	--	1	6	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-26	-40	34.7	--	--	-26	-40	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-53	-124	57.0	-20	-67	-33	-56	--	--	--	--
New Jersey	-15	-20	24.6	-15	-20	--	--	--	--	--	--
New York	-5	-47	90.0	-5	-47	--	--	--	--	--	--
Pennsylvania.....	-33	-56	41.1	--	--	-33	-56	--	--	--	--
East North Central	-56	-89	37.5	-56	-89	--	--	--	--	--	--
Illinois.....	--	--	--	--	--	--	--	--	--	--	--
Indiana.....	--	--	--	--	--	--	--	--	--	--	--
Michigan.....	-56	-89	37.5	-56	-89	--	--	--	--	--	--
Ohio.....	--	--	--	--	--	--	--	--	--	--	--
Wisconsin.....	--	--	--	--	--	--	--	--	--	--	--
West North Central	3	50	-94.6	3	50	--	--	--	--	--	--
Iowa.....	--	--	--	--	--	--	--	--	--	--	--
Kansas.....	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri.....	3	50	-94.6	3	50	--	--	--	--	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-205	-147	-39.5	-205	-147	--	--	--	--	--	--
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	--	--	--	--	--	--	--	--	--	--	--
Georgia.....	-65	21	-405.1	-65	21	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-46	-54	15.1	-46	-54	--	--	--	--	--	--
Virginia.....	-94	-114	17.8	-94	-114	--	--	--	--	--	--
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--
East South Central	-60	-46	-32.5	-60	-46	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-60	-46	-32.5	-60	-46	--	--	--	--	--	--
West South Central	-6	-11	42.8	-6	-11	--	--	--	--	--	--
Arkansas	4	--	--	4	--	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-10	-11	8.5	-10	-11	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-25	-30	14.9	-25	-30	--	--	--	--	--	--
Arizona	-11	-10	-6.6	-11	-10	--	--	--	--	--	--
Colorado.....	-14	-20	25.9	-14	-20	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	-68	-100	32.2	-68	-100	--	--	--	--	--	--
California.....	-67	-107	37.4	-67	-107	--	--	--	--	--	--
Oregon.....	--	--	--	--	--	--	--	--	--	--	--
Washington.....	*	8	--	*	8	--	--	--	--	--	--
Pacific Noncontiguous ..	--	--	--	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-496	-530	6.3	-438	-439	-59	-91	--	--	--	--

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.15.B. Net Generation from Hydroelectric (Pumped Storage) Power by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	-435	-328	-32.7	--	--	-435	-328	--	--	--	--
Connecticut	6	9	-41.0	--	--	6	9	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	-440	-337	-30.6	--	--	-440	-337	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	-675	-1,431	52.9	-502	-723	-172	-708	--	--	--	--
New Jersey	-197	-194	-1.6	-197	-194	--	--	--	--	--	--
New York	-306	-529	42.3	-306	-529	--	--	--	--	--	--
Pennsylvania	-172	-708	75.7	--	--	-172	-708	--	--	--	--
East North Central	-945	-1,023	7.6	-945	-1,023	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	-945	-1,023	7.6	-945	-1,023	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--
West North Central	167	888	-81.2	167	888	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	167	888	-81.2	167	888	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	-3,080	-2,703	-13.9	-3,080	-2,703	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--	--	--
Georgia	-709	-278	-154.9	-709	-278	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	-890	-935	4.8	-890	-935	--	--	--	--	--	--
Virginia	-1,481	-1,491	.6	-1,481	-1,491	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	-660	-721	8.5	-660	-721	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	-660	-721	8.5	-660	-721	--	--	--	--	--	--
West South Central	-119	-153	22.6	-119	-153	--	--	--	--	--	--
Arkansas	34	-1	NM	34	-1	--	--	--	--	--	--
Louisiana	--	--	--	--	--	--	--	--	--	--	--
Oklahoma	-153	-153	-.2	-153	-153	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--	--	--
Mountain	-122	88	-238.7	-122	88	--	--	--	--	--	--
Arizona	121	209	-42.1	121	209	--	--	--	--	--	--
Colorado	-243	-121	-101.5	-243	-121	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	-44	-118	62.7	-44	-118	--	--	--	--	--	--
California	-96	-171	44.0	-96	-171	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	52	53	-2.6	52	53	--	--	--	--	--	--
Pacific Noncontiguous ..	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	-5,912	-5,501	-7.5	-5,306	-4,466	-607	-1,035	--	--	--	--

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 1.16.A. Net Generation from Other Energy Sources by State by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	175	165	6.2	--	--	164	154	8	6	3	4
Connecticut.....	62	60	2.8	--	--	61	59	--	--	NM	1
Maine.....	36	32	11.7	--	--	26	23	8	6	2	3
Massachusetts	71	68	5.4	--	--	71	68	--	--	--	--
New Hampshire	5	4	24.3	--	--	5	4	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	200	192	4.1	--	--	173	158	27	26	--	8
New Jersey	45	50	-9.2	--	--	33	30	12	11	--	8
New York	80	69	16.2	--	--	72	63	8	6	--	--
Pennsylvania.....	75	73	1.6	--	--	68	65	7	8	--	--
East North Central	63	98	-35.8	5	4	18	16	12	6	29	72
Illinois.....	5	43	-87.9	--	--	4	2	--	--	1	41
Indiana.....	22	26	-15.3	--	--	--	--	NM	1	20	25
Michigan.....	29	23	23.9	2	2	13	13	10	5	3	3
Ohio.....	2	1	25.7	--	--	--	--	--	--	2	1
Wisconsin.....	5	4	26.8	2	2	--	--	NM	*	3	3
West North Central	30	28	8.4	18	13	9	12	NM	2	NM	1
Iowa.....	--	--	--	--	--	--	--	--	--	--	--
Kansas.....	--	--	--	--	--	--	--	--	--	--	--
Minnesota.....	25	23	11.6	14	8	9	12	NM	2	NM	1
Missouri.....	1	2	-34.6	1	1	--	--	--	*	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--
North Dakota.....	3	3	10.9	3	3	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	308	359	-14.1	*	*	174	163	14	12	121	184
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	235	233	.9	--	--	122	113	--	--	113	120
Georgia.....	3	2	39.0	--	--	--	--	--	--	3	2
Maryland.....	23	22	7.7	--	--	23	21	--	*	--	--
North Carolina.....	3	60	-94.5	--	--	3	5	--	--	--	55
South Carolina.....	5	7	-26.2	--	--	--	--	--	--	5	7
Virginia.....	39	35	10.1	--	--	25	24	14	12	--	*
West Virginia.....	*	*	--	*	*	--	--	--	--	--	*
East South Central	1	35	-95.8	*	2	NM	*	--	--	NM	33
Alabama.....	*	32	--	--	--	--	--	--	--	*	32
Kentucky.....	*	2	--	*	2	--	--	--	--	--	--
Mississippi.....	NM	1	--	--	--	NM	*	--	--	NM	1
Tennessee.....	*	*	--	--	--	--	--	--	--	*	*
West South Central	72	78	-7.2	--	--	--	--	--	--	72	78
Arkansas.....	2	2	34.8	--	--	--	--	--	--	2	2
Louisiana.....	31	45	-32.5	--	--	--	--	--	--	31	45
Oklahoma.....	--	--	--	--	--	--	--	--	--	--	--
Texas.....	39	31	27.8	--	--	--	--	--	--	39	31
Mountain	54	71	-23.7	--	--	36	35	--	--	18	36
Arizona.....	*	1	--	--	--	*	1	--	--	--	--
Colorado.....	6	7	-10.6	--	--	2	2	--	--	4	5
Idaho.....	--	8	--	--	--	--	--	--	--	--	8
Montana.....	34	31	7.5	--	--	34	31	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--
Utah.....	14	17	-15.1	--	--	NM	*	--	--	14	16
Wyoming.....	--	7	--	--	--	--	--	--	--	--	7
Pacific Contiguous	66	72	-9.0	--	--	27	24	--	*	39	48
California.....	56	63	-11.4	--	--	17	16	--	*	39	47
Oregon.....	4	4	-7.1	--	--	4	3	--	--	4	1
Washington.....	6	5	18.0	--	--	6	5	--	--	--	--
Pacific Noncontiguous ..	13	34	-63.4	--	21	--	--	13	14	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	13	34	-63.4	--	21	--	--	13	14	--	--
U.S. Total	982	1,131	-13.2	23	39	601	562	75	66	283	464

* = Value is less than half of the 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: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other". Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Other energy sources include non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	1,905	1,867	2.0	--	--	1,773	1,749	95	78	36	41
Connecticut	675	717	-5.9	--	--	662	703	--	--	13	13
Maine.....	380	323	17.7	--	--	261	218	95	78	23	28
Massachusetts	789	771	2.4	--	--	789	771	--	--	--	--
New Hampshire	61	57	6.4	--	--	61	57	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	2,250	2,252	-1	--	--	1,941	1,852	309	305	--	95
New Jersey	510	575	-11.3	--	--	386	350	124	130	--	95
New York	885	832	6.3	--	--	790	744	95	88	--	--
Pennsylvania	855	845	1.2	--	--	765	758	90	87	--	--
East North Central	757	1,087	-30.4	56	51	197	177	161	141	344	719
Illinois.....	48	300	-83.9	--	--	40	17	--	--	9	283
Indiana.....	290	380	-23.7	--	--	--	--	18	18	271	362
Michigan.....	356	332	7.3	26	27	157	160	142	123	31	22
Ohio.....	10	12	-16.8	--	--	--	--	--	--	10	12
Wisconsin	53	63	-16.6	30	24	--	--	NM	*	23	39
West North Central	332	327	1.5	203	177	102	112	21	27	7	12
Iowa.....	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--
Minnesota	275	258	6.7	146	112	102	112	21	22	7	12
Missouri.....	21	32	-33.9	21	27	--	--	*	5	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--
North Dakota	36	37	-3.9	36	37	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	3,562	4,004	-11.1	*	*	1,936	1,816	161	148	1,464	2,041
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	2,766	2,834	-2.4	--	--	1,378	1,252	--	--	1,388	1,581
Georgia	16	18	-10.6	--	--	--	--	--	--	16	18
Maryland	268	270	-8	--	--	268	270	NM	*	--	--
North Carolina	27	407	-93.3	--	--	27	28	--	--	--	379
South Carolina	60	61	-1.4	--	--	--	--	--	--	60	61
Virginia.....	425	414	2.5	--	--	263	266	161	147	--	1
West Virginia.....	*	1	--	*	*	--	--	--	--	--	*
East South Central	21	393	-94.7	9	15	NM	1	--	--	10	377
Alabama	1	366	-99.6	--	--	--	--	--	--	1	366
Kentucky	9	15	-42.1	9	15	--	--	--	--	--	--
Mississippi.....	9	9	7.1	--	--	NM	1	--	--	7	8
Tennessee	1	3	-54.8	--	--	--	--	--	--	1	3
West South Central	779	927	-15.9	--	--	--	--	--	--	779	927
Arkansas	32	28	14.1	--	--	--	--	--	--	32	28
Louisiana	307	559	-45.1	--	--	--	--	--	--	307	559
Oklahoma	--	--	--	--	--	--	--	--	--	--	--
Texas	440	339	29.8	--	--	--	--	--	--	440	339
Mountain	587	686	-14.4	--	--	378	322	--	--	210	363
Arizona	15	15	.1	--	--	15	15	--	--	--	--
Colorado.....	75	70	7.8	--	--	26	22	--	--	49	47
Idaho.....	--	79	--	--	--	--	--	--	--	--	79
Montana.....	333	281	18.4	--	--	333	281	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	164	174	-5.3	--	--	4	4	--	--	160	169
Wyoming.....	--	68	--	--	--	--	--	--	--	--	68
Pacific Contiguous	732	948	-22.8	--	--	320	309	--	*	412	639
California.....	618	839	-26.4	--	--	205	209	--	*	412	630
Oregon.....	44	47	-5.2	--	--	44	38	--	--	--	8
Washington.....	70	62	12.9	--	--	70	62	--	--	--	--
Pacific Noncontiguous ..	139	364	-61.7	--	219	--	8	139	137	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii	139	364	-61.7	--	219	--	8	139	137	--	--
U.S. Total	11,064	12,855	-13.9	267	462	6,649	6,345	886	834	3,261	5,214

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

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

Notes: • Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in "Other".

Biogenic municipal solid waste is included in "Other Renewables." • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Other energy sources include non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuel, and miscellaneous technologies.

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 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	95	84	13.7	NM	4	92	80	NM	*	--	--
Connecticut.....	--	--	--	--	--	--	--	--	--	--	--
Maine.....	75	68	9.6	--	--	75	68	--	--	--	--
Massachusetts	NM	3	--	NM	2	NM	1	NM	*	--	--
New Hampshire	NM	10	--	--	--	NM	10	--	--	--	--
Rhode Island.....	NM	*	--	--	--	NM	*	--	--	--	--
Vermont.....	11	2	501.8	1	2	9	--	--	--	--	--
Middle Atlantic	492	478	2.9	--	--	492	478	--	--	--	--
New Jersey.....	NM	1	--	--	--	NM	1	--	--	--	--
New York.....	286	255	12.2	--	--	286	255	--	--	--	--
Pennsylvania.....	205	222	-7.8	--	--	205	222	--	--	--	--
East North Central.....	1,147	951	20.7	69	57	1,077	894	NM	*	NM	--
Illinois.....	641	432	48.5	NM	1	640	431	--	--	--	--
Indiana.....	295	364	-18.8	--	--	295	363	NM	*	--	--
Michigan.....	52	46	12.0	--	--	52	46	--	--	--	--
Ohio.....	33	1	NM	NM	1	31	--	--	--	NM	--
Wisconsin.....	127	108	17.1	67	55	60	53	--	--	--	--
West North Central	3,185	2,349	35.6	1,041	661	2,142	1,687	NM	1	--	--
Iowa.....	1,162	917	26.8	606	426	556	490	--	--	--	--
Kansas.....	322	254	27.0	86	71	236	182	--	--	--	--
Minnesota.....	716	534	34.1	146	51	569	483	NM	1	--	--
Missouri.....	98	79	23.1	--	--	98	79	--	--	--	--
Nebraska.....	105	49	114.1	24	21	80	28	--	--	--	--
North Dakota.....	526	382	37.6	123	92	403	291	--	--	--	--
South Dakota.....	256	134	90.8	56	*	200	133	--	--	--	--
South Atlantic	167	114	46.6	--	--	167	114	--	--	--	--
Delaware.....	NM	1	--	--	--	NM	1	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	--	--	--	--	--	--	--	--	--	--	--
Georgia.....	--	--	--	--	--	--	--	--	--	--	--
Maryland.....	35	1	NM	--	--	35	1	--	--	--	--
North Carolina.....	--	--	--	--	--	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	--	--	--	--	--
Virginia.....	--	--	--	--	--	--	--	--	--	--	--
West Virginia.....	132	112	18.0	--	--	132	112	--	--	--	--
East South Central.....	6	4	49.6	--	--	6	4	--	--	--	--
Alabama.....	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	--	--	--	--	--	--	--	--
Tennessee.....	6	4	49.6	--	--	6	4	--	--	--	--
West South Central.....	2,875	2,970	-3.2	42	50	2,832	2,920	--	--	--	--
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	--	--	--	--	--	--	--	--	--	--	--
Oklahoma.....	469	375	24.9	42	50	427	326	--	--	--	--
Texas.....	2,406	2,595	-7.3	NM	*	2,406	2,595	NM	--	--	--
Mountain	1,423	1,247	14.1	231	195	1,190	1,052	NM	--	NM	--
Arizona.....	9	23	-61.1	--	--	9	23	--	--	--	--
Colorado.....	499	416	20.0	7	8	490	408	NM	--	NM	--
Idaho.....	105	78	34.7	--	--	105	78	--	--	--	--
Montana.....	157	80	96.8	NM	6	150	74	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	145	199	-27.1	--	--	145	199	--	--	--	--
Utah.....	32	42	-24.8	--	--	32	42	--	--	--	--
Wyoming.....	477	410	16.3	217	182	260	228	--	--	--	--
Pacific Contiguous	1,041	854	21.9	252	227	790	627	--	--	--	--
California.....	419	324	29.4	30	33	389	291	--	--	--	--
Oregon.....	264	202	31.0	46	16	219	186	--	--	--	--
Washington.....	358	329	9.0	176	177	182	151	--	--	--	--
Pacific Noncontiguous ..	37	8	368.4	NM	*	35	7	--	--	--	--
Alaska.....	NM	*	--	NM	*	--	--	--	--	--	--
Hawaii.....	35	7	372.8	--	--	35	7	--	--	--	--
U.S. Total.....	10,469	9,059	15.6	1,639	1,194	8,825	7,864	3	2	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: • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 1.17.B. Net Generation from Wind by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	856	614	39.4	29	30	825	582	NM	2	--	--
Connecticut.....	--	--	--	--	--	--	--	--	--	--	--
Maine.....	713	499	42.9	--	--	713	499	--	--	--	--
Massachusetts	28	22	27.1	18	16	NM	4	NM	2	--	--
New Hampshire	78	76	3.1	--	--	78	76	--	--	--	--
Rhode Island.....	NM	3	--	--	--	NM	3	--	--	--	--
Vermont.....	33	14	138.9	11	14	22	--	--	--	--	--
Middle Atlantic	4,810	4,463	7.8	--	--	4,808	4,463	--	--	NM	--
New Jersey	16	13	25.4	--	--	16	13	--	--	--	--
New York	2,826	2,596	8.8	--	--	2,824	2,596	--	--	NM	--
Pennsylvania.....	1,968	1,854	6.1	--	--	1,968	1,854	--	--	--	--
East North Central	11,360	8,849	28.4	600	562	10,754	8,285	NM	2	NM	--
Illinois.....	6,263	4,454	40.6	10	8	6,253	4,446	--	--	--	--
Indiana.....	3,289	2,934	12.1	--	--	3,286	2,932	NM	2	--	--
Michigan.....	437	360	21.3	--	--	437	360	--	--	--	--
Ohio.....	175	13	NM	16	13	157	--	--	--	NM	--
Wisconsin.....	1,196	1,088	9.9	575	541	621	547	--	--	--	--
West North Central	31,324	24,182	29.5	9,388	6,713	21,924	17,457	12	12	--	--
Iowa.....	10,700	9,170	16.7	5,121	4,407	5,579	4,764	--	--	--	--
Kansas.....	3,759	3,405	10.4	1,018	819	2,741	2,586	--	--	--	--
Minnesota.....	6,826	4,792	42.5	1,397	390	5,417	4,390	12	12	--	--
Missouri.....	1,179	925	27.4	--	--	1,179	925	--	--	--	--
Nebraska.....	1,018	422	141.4	231	213	787	208	--	--	--	--
North Dakota	5,150	4,096	25.7	1,113	879	4,037	3,216	--	--	--	--
South Dakota	2,692	1,372	96.3	509	5	2,183	1,367	--	--	--	--
South Atlantic	1,424	943	51.0	--	--	1,424	943	--	--	--	--
Delaware.....	NM	3	--	--	--	NM	3	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	--	--	--	--	--	--	--	--	--	--	--
Georgia.....	--	--	--	--	--	--	--	--	--	--	--
Maryland.....	319	1	NM	--	--	319	1	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	--	--	--	--	--
Virginia.....	--	--	--	--	--	--	--	--	--	--	--
West Virginia.....	1,099	939	17.1	--	--	1,099	939	--	--	--	--
East South Central	53	41	31.0	--	--	53	41	--	--	--	--
Alabama.....	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	--	--	--	--	--	--	--	--
Tennessee.....	53	41	31.0	--	--	53	41	--	--	--	--
West South Central	35,420	30,059	17.8	662	706	34,759	29,354	--	--	--	--
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	--	--	--	--	--	--	--	--	--	--	--
Oklahoma.....	5,369	3,808	41.0	660	705	4,709	3,103	--	--	--	--
Texas.....	30,051	26,251	14.5	NM	1	30,050	26,251	--	--	--	--
Mountain	14,903	10,484	42.1	2,282	1,624	12,601	8,861	NM	--	NM	--
Arizona.....	249	135	84.4	--	--	249	135	--	--	--	--
Colorado.....	4,729	3,452	37.0	78	65	4,631	3,387	NM	--	NM	--
Idaho.....	1,308	441	196.8	--	--	1,308	441	--	--	--	--
Montana.....	1,243	930	33.6	77	68	1,166	862	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	2,089	1,832	14.0	--	--	2,089	1,832	--	--	--	--
Utah.....	576	448	28.7	--	--	576	448	--	--	--	--
Wyoming.....	4,709	3,247	45.0	2,128	1,491	2,581	1,756	--	--	--	--
Pacific Contiguous	19,254	14,743	30.6	3,855	3,442	15,398	11,301	--	--	--	--
California.....	8,084	6,079	33.0	539	543	7,545	5,536	--	--	--	--
Oregon.....	4,961	3,920	26.6	721	536	4,240	3,384	--	--	--	--
Washington.....	6,209	4,745	30.9	2,595	2,364	3,613	2,381	--	--	--	--
Pacific Noncontiguous ..	342	274	25.0	16	13	326	261	--	--	--	--
Alaska.....	16	13	25.2	16	13	--	--	--	--	--	--
Hawaii.....	326	261	25.0	--	--	326	261	--	--	--	--
U.S. Total	119,747	94,652	26.5	16,832	13,089	102,871	81,547	33	16	10	--

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

Notes: • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 1.18.A. Net Generation from Biomass by State by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	635	643	-1.2	50	54	445	443	10	8	131	139
Connecticut.....	70	63	11.4	--	--	70	63	--	--	--	--
Maine.....	285	317	-10.1	--	--	145	171	10	8	131	139
Massachusetts	118	109	7.6	--	--	118	109	NM	*	--	--
New Hampshire	111	100	10.4	30	30	80	71	--	--	--	*
Rhode Island.....	12	12	4.8	--	--	12	12	--	--	--	--
Vermont.....	39	42	-6.1	19	24	20	18	--	--	--	--
Middle Atlantic	484	475	1.9	--	--	392	380	35	33	57	63
New Jersey.....	77	71	9.6	--	--	62	56	15	14	--	--
New York.....	193	191	1.0	--	--	161	159	11	8	21	24
Pennsylvania.....	214	214	.0	--	--	169	165	9	10	36	38
East North Central.....	499	466	7.1	49	41	276	269	19	12	155	143
Illinois.....	67	54	24.4	--	--	67	54	NM	*	--	--
Indiana.....	28	22	25.5	25	20	--	--	NM	1	NM	1
Michigan.....	215	195	10.4	--	--	143	133	13	7	60	55
Ohio.....	62	65	-4.2	--	--	27	31	--	--	36	34
Wisconsin.....	126	129	-2.5	24	22	40	52	NM	3	59	53
West North Central	185	192	-3.6	42	43	92	87	NM	4	47	58
Iowa.....	15	14	7.0	3	3	8	7	NM	2	1	2
Kansas.....	--	5	--	--	--	--	5	--	--	--	--
Minnesota.....	157	164	-4.2	30	34	81	75	NM	*	45	55
Missouri.....	6	3	109.1	4	2	2	1	--	--	NM	*
Nebraska.....	6	6	8.2	5	4	NM	*	NM	1	--	--
North Dakota.....	NM	1	--	--	--	--	--	--	--	NM	1
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	1,335	1,333	.2	75	85	407	433	27	24	826	791
Delaware.....	11	11	-4.2	--	--	11	11	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	397	404	-1.7	5	6	224	221	NM	4	165	173
Georgia.....	296	290	1.9	--	--	12	15	NM	2	282	273
Maryland.....	53	34	56.5	NM	*	35	31	NM	3	14	--
North Carolina.....	181	223	-19.1	*	*	65	97	--	--	115	126
South Carolina.....	202	183	10.5	41	38	2	2	--	--	159	143
Virginia.....	195	187	4.4	29	40	58	57	18	15	91	75
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--
East South Central.....	521	443	17.6	9	*	22	25	--	--	491	418
Alabama.....	265	206	28.4	NM	*	19	22	--	--	246	184
Kentucky.....	44	28	58.3	8	*	--	--	--	--	35	27
Mississippi.....	124	128	-3.3	*	*	--	1	--	--	124	127
Tennessee.....	89	81	9.3	--	--	2	2	--	--	86	79
West South Central.....	530	548	-3.3	--	--	56	62	NM	5	470	480
Arkansas.....	147	146	.8	--	--	5	5	NM	*	141	140
Louisiana.....	218	234	-6.9	--	--	7	6	--	--	210	227
Oklahoma.....	29	27	7.4	--	--	--	--	--	--	29	27
Texas.....	136	141	-3.6	--	--	44	51	NM	5	89	86
Mountain	73	79	-8.4	2	2	31	32	NM	*	39	44
Arizona.....	13	16	-17.8	2	2	10	13	NM	*	--	--
Colorado.....	5	5	8.5	NM	*	5	5	--	--	--	--
Idaho.....	48	44	8.4	--	--	9	8	--	--	39	36
Montana.....	--	8	--	--	--	--	--	--	--	--	8
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	NM	1	--	--	--	NM	1	--	--	--	--
Utah.....	5	5	4.9	--	--	5	5	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	786	726	8.3	82	85	459	416	40	35	205	189
California.....	543	489	11.0	20	19	425	386	38	33	60	51
Oregon.....	66	68	-3.3	6	5	23	21	NM	2	34	39
Washington.....	178	169	5.2	57	61	11	9	--	--	111	99
Pacific Noncontiguous ..	27	20	37.1	1	2	--	--	16	17	10	*
Alaska.....	NM	*	--	--	--	--	--	--	--	NM	*
Hawaii.....	27	19	37.3	1	2	--	--	16	17	10	--
U.S. Total.....	5,076	4,925	3.1	310	313	2,179	2,149	156	138	2,432	2,326

* = Value is less than half of the 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: • Biomass includes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other miscellaneous biomass. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 1.18.B. Net Generation from Biomass by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	7,015	7,405	-5.3	509	611	4,790	5,119	114	99	1,602	1,577
Connecticut	755	740	2.1	--	--	755	740	--	--	--	--
Maine	3,270	3,653	-10.5	--	--	1,554	1,978	114	99	1,602	1,576
Massachusetts	1,291	1,251	3.2	--	--	1,290	1,250	NM	1	--	--
New Hampshire	1,130	1,157	-2.3	285	342	845	814	--	--	NM	*
Rhode Island	139	137	1.8	--	--	139	137	--	--	--	--
Vermont	430	468	-8.2	224	268	206	200	--	--	--	--
Middle Atlantic	5,416	5,418	.0	--	--	4,343	4,302	390	388	683	728
New Jersey	848	816	3.9	--	--	690	651	158	166	--	--
New York	2,131	2,218	-3.9	--	--	1,787	1,851	118	112	226	255
Pennsylvania	2,436	2,383	2.2	--	--	1,866	1,800	114	110	456	473
East North Central	5,620	5,514	1.9	517	529	3,132	3,039	246	226	1,724	1,721
Illinois	741	670	10.6	--	--	741	670	NM	*	1	*
Indiana	312	312	.2	275	274	--	--	22	22	15	15
Michigan	2,517	2,472	1.8	--	--	1,641	1,625	180	160	696	687
Ohio	687	675	1.8	--	--	300	291	--	--	387	383
Wisconsin	1,362	1,385	-1.7	242	255	450	452	44	43	626	635
West North Central	2,141	2,238	-4.4	524	601	1,023	1,016	44	43	549	578
Iowa	172	190	-9.7	39	33	91	91	26	27	15	39
Kansas	--	54	--	--	--	--	54	--	--	--	--
Minnesota	1,816	1,848	-1.7	387	477	905	844	6	4	518	523
Missouri	70	62	12.2	44	37	22	22	--	--	4	4
Nebraska	71	72	-4	54	53	5	6	12	12	--	--
North Dakota	12	12	-6.0	--	--	--	--	--	--	12	12
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	14,838	14,459	2.6	887	885	4,612	4,429	306	288	9,033	8,857
Delaware	130	136	-3.9	--	--	130	136	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	4,561	4,406	3.5	66	58	2,540	2,357	39	40	1,916	1,951
Georgia	3,167	3,181	-4	*	*	139	151	21	20	3,007	3,009
Maryland	588	572	2.7	4	*	389	384	45	40	150	149
North Carolina	2,058	2,072	-7	8	1	757	764	--	--	1,293	1,306
South Carolina	2,127	1,873	13.5	414	403	22	23	--	--	1,690	1,448
Virginia	2,207	2,220	-6	395	423	635	614	201	188	976	995
West Virginia	*	--	--	*	--	--	--	--	--	--	--
East South Central	5,968	5,268	13.3	97	90	231	284	--	--	5,640	4,894
Alabama	3,060	2,377	28.7	NM	1	205	260	--	--	2,853	2,116
Kentucky	432	440	-1.8	95	89	--	--	--	--	337	351
Mississippi	1,497	1,504	-5	*	*	--	2	--	--	1,496	1,503
Tennessee	980	947	3.5	--	--	26	23	--	--	954	924
West South Central	5,977	5,889	1.5	--	--	591	548	42	44	5,343	5,297
Arkansas	1,667	1,624	2.6	--	--	54	52	4	5	1,608	1,567
Louisiana	2,440	2,468	-1.1	--	--	80	73	--	--	2,360	2,394
Oklahoma	331	352	-5.9	--	--	--	--	--	--	331	352
Texas	1,539	1,445	6.5	--	--	457	422	38	39	1,044	984
Mountain	802	897	-10.6	27	27	366	361	4	4	405	505
Arizona	173	168	2.6	25	24	144	140	4	4	--	--
Colorado	61	60	1.5	NM	2	59	58	--	--	--	--
Idaho	498	501	-8	--	--	92	93	--	--	405	408
Montana	--	97	--	--	--	--	--	--	--	--	97
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	13	14	-2.0	--	--	13	14	--	--	--	--
Utah	57	56	1.9	--	--	57	56	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	8,629	8,711	-9	873	876	5,123	5,105	442	427	2,191	2,303
California	6,092	6,002	1.5	248	229	4,740	4,706	419	406	684	661
Oregon	721	837	-13.9	69	64	262	290	23	21	367	462
Washington	1,817	1,872	-3.0	557	583	120	109	--	--	1,140	1,180
Pacific Noncontiguous ..	327	290	13.0	39	2	--	--	177	174	111	114
Alaska	6	6	-5.6	--	--	--	--	--	--	6	6
Hawaii	322	283	13.4	39	2	--	--	177	174	106	107
U.S. Total	56,733	56,089	1.1	3,474	3,619	24,212	24,203	1,766	1,693	27,280	26,574

* = Value is less than half of the 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: • Biomass includes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, and other miscellaneous biomass. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 1.19.A. Net Generation from Geothermal by Census Division by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
Mountain	265	223	18.9	25	23	240	201	--	--	--	--
Idaho.....	8	7	22.1	--	--	8	7	--	--	--	--
Nevada.....	232	194	19.6	--	--	232	194	--	--	--	--
Utah.....	26	23	11.7	25	23	NM	*	--	--	--	--
Pacific Contiguous	1,154	1,087	6.1	75	74	1,079	1,014	--	--	--	--
California.....	1,154	1,087	6.1	75	74	1,079	1,014	--	--	--	--
Pacific Noncontiguous ..	19	19	.8	--	--	19	19	--	--	--	--
Hawaii	19	19	.8	--	--	19	19	--	--	--	--
U.S. Total.....	1,439	1,330	8.2	100	96	1,339	1,233	--	--	--	--

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

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

Notes: • Totals may not equal sum of components because of independent rounding. • Only States that have geothermal plants are shown. • Percentage difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 1.19.B. Net Generation from Geothermal by Census Division by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
Mountain	3,041	2,419	25.7	278	274	2,763	2,144	--	--	--	--
Idaho.....	92	72	28.5	--	--	92	72	--	--	--	--
Nevada.....	2,666	2,070	28.8	--	--	2,666	2,070	--	--	--	--
Utah.....	283	277	2.1	278	274	5	3	--	--	--	--
Pacific Contiguous	13,435	12,600	6.6	858	844	12,577	11,757	--	--	--	--
California.....	13,435	12,600	6.6	858	844	12,577	11,757	--	--	--	--
Pacific Noncontiguous ..	224	201	11.6	--	--	224	201	--	--	--	--
Hawaii	224	201	11.6	--	--	224	201	--	--	--	--
U.S. Total.....	16,700	15,219	9.7	1,137	1,118	15,563	14,101	--	--	--	--

Notes: • Totals may not equal sum of components because of independent rounding. • Only States that have geothermal plants are shown. • Percentage difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 1.20.A. Net Generation from Solar by Census Division by Sector, December 2011 and 2010
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	% Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	NM	*	--	NM	*	NM	--	NM	*	--	--
Massachusetts	NM	*	--	NM	*	NM	--	NM	*	--	--
Vermont	NM	--	--	--	--	NM	--	--	--	--	--
Middle Atlantic	9	1	635.4	NM	*	8	1	NM	*	NM	*
New Jersey	NM	1	--	NM	*	NM	1	NM	*	--	--
New York	3	--	--	--	--	3	--	--	--	--	--
Pennsylvania	NM	*	--	--	--	NM	*	NM	*	NM	*
East North Central.....	NM	1	--	NM	*	NM	1	--	--	--	--
Illinois	NM	*	--	--	--	NM	*	--	--	--	--
Ohio	NM	*	--	NM	*	NM	*	--	--	--	--
South Atlantic	10	7	35.8	5	5	5	2	--	--	NM	--
Delaware	NM	--	--	--	--	NM	--	--	--	--	--
Florida	6	6	.5	4	5	NM	1	--	--	--	--
Maryland	NM	*	--	--	--	NM	*	--	--	--	--
North Carolina	3	1	195.9	NM	*	3	1	--	--	NM	--
West South Central.....	NM	3	--	--	--	NM	3	--	--	--	--
Texas	NM	3	--	--	--	NM	3	--	--	--	--
Mountain	28	18	54.0	NM	1	25	17	NM	--	NM	*
Arizona	6	1	292.4	NM	1	NM	*	--	--	--	--
Colorado	NM	4	--	--	--	NM	4	NM	--	--	--
Nevada	12	10	23.4	--	--	12	9	--	--	NM	*
New Mexico	6	4	65.7	--	--	6	4	--	--	--	--
Pacific Contiguous	28	14	104.3	NM	*	24	12	NM	1	--	--
California	28	14	103.0	NM	*	24	12	NM	1	--	--
Oregon	NM	--	--	--	--	NM	--	--	--	--	--
Washington	*	--	--	*	--	--	--	--	--	--	--
Pacific Noncontiguous ..	NM	*	--	--	--	NM	*	--	--	--	--
Hawaii	NM	*	--	--	--	NM	*	--	--	--	--
U.S. Total	79	44	78.9	13	7	66	36	*	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: • Totals may not equal sum of components because of independent rounding. • Only States that have solar plants are shown. • Percentage difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 1.20.B. Net Generation from Solar by Census Division by Sector, Year-to-Date through December 2011 and 2010
(Thousand Megawatthours)

Census Division	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	% Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	NM	1	--	NM	1	NM	--	NM	*	--	--
Massachusetts	NM	1	--	NM	1	NM	--	NM	*	--	--
Vermont	NM	--	--	--	--	NM	--	--	--	--	--
Middle Atlantic	128	29	341.6	NM	*	97	28	NM	1	NM	*
New Jersey	NM	21	--	NM	*	NM	20	NM	*	--	--
New York	NM	--	--	--	--	NM	--	--	--	--	--
Pennsylvania	NM	8	--	--	--	NM	7	NM	*	NM	*
East North Central.....	NM	27	--	2	2	NM	25	--	--	--	--
Illinois	14	14	-4	--	--	14	14	--	--	--	--
Ohio	NM	13	--	2	2	NM	11	--	--	--	--
South Atlantic	176	92	91.1	106	72	NM	20	--	--	NM	--
Delaware	NM	--	--	--	--	NM	--	--	--	--	--
Florida	134	80	66.6	100	69	NM	12	--	--	--	--
Maryland	NM	*	--	--	--	NM	*	--	--	--	--
North Carolina	NM	11	--	NM	4	NM	8	--	--	NM	--
West South Central.....	NM	8	--	--	--	NM	8	--	--	--	--
Texas	NM	8	--	--	--	NM	8	--	--	--	--
Mountain	514	284	81.0	NM	13	479	270	NM	--	2	2
Arizona	NM	16	--	NM	13	NM	3	--	--	--	--
Colorado	82	42	93.8	--	--	79	42	NM	--	--	--
Nevada	290	217	33.8	--	--	288	215	--	--	2	2
New Mexico	100	9	NM	--	--	100	9	--	--	--	--
Pacific Contiguous	920	769	19.6	111	13	807	752	NM	4	--	--
California	874	769	13.6	NM	13	806	752	NM	4	--	--
Oregon	NM	--	--	--	--	NM	--	--	--	--	--
Washington	46	--	--	46	--	--	--	--	--	--	--
Pacific Noncontiguous ..	NM	2	--	--	--	NM	2	--	--	--	--
Hawaii	NM	2	--	--	--	NM	2	--	--	--	--
U.S. Total	1,814	1,212	49.6	276	101	1,519	1,105	9	5	10	2

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

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

Notes: • Totals may not equal sum of components because of independent rounding. • Only States that have solar plants are shown. • Percentage difference is calculated before rounding. • See Glossary for definitions. • Negative generation denotes that electric power consumed for plant use exceeds gross generation. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Chapter 2. Consumption of Fossil Fuels

Table 2.1.A. Coal: Consumption for Electricity Generation by Sector, 1997 through December 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	931,949	900,361	18,648	630	12,311
1998	946,295	910,867	23,259	440	11,728
1999	949,802	894,120	43,768	481	11,432
2000	994,933	859,335	123,378	514	11,706
2001	972,691	806,269	155,254	532	10,636
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	269,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009					
January	90,639	66,535	23,688	32	384
February	74,256	54,408	19,485	28	334
March	71,990	53,064	18,520	25	382
April	67,209	49,581	17,250	22	356
May	70,508	52,633	17,472	22	381
June	79,071	59,827	18,809	24	412
July	84,360	63,066	20,850	28	415
August	86,789	64,759	21,563	30	437
September	73,705	55,923	17,365	26	391
October	74,686	55,597	18,635	24	430
November	73,150	54,755	18,012	26	357
December	88,320	65,468	22,427	30	396
Total	934,683	695,615	234,077	317	4,674
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
September	79,573	58,199	20,682	26	666
October	70,918	51,353	18,851	23	690
November	72,756	52,962	19,244	21	529
December	88,645	64,645	23,208	26	765
Total	979,684	721,431	249,814	314	8,125
2011					
January	90,106	66,014	23,291	30	771
February	73,505	54,347	18,466	28	663
March	72,340	54,001	17,670	28	641
April	66,870	49,405	17,006	22	437
May	73,511	54,978	17,765	23	746
June	84,072	62,639	20,721	24	688
July	94,214	69,803	23,585	28	798
August	92,177	68,049	23,291	26	811
September	76,612	55,781	20,039	23	769
October	69,524	50,619	18,161	20	725
November	66,789	48,760	17,500	20	509
December	73,190	54,041	18,592	24	533
Total	932,911	688,436	236,087	297	8,091
Year-to-Date					
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	932,911	688,436	236,087	297	8,091
Rolling 12 Months Ending in December					
2010	979,684	721,431	249,814	314	8,125
2011	932,911	688,436	236,087	297	8,091

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.1.B. Coal: Consumption for Useful Thermal Output by Sector, 1997 through December 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	21,005	--	2,355	1,108	17,542
1998	20,320	--	2,493	1,002	16,824
1999	20,373	--	3,033	1,009	16,330
2000	20,466	--	3,107	1,034	16,325
2001	18,944	--	2,910	916	15,119
2002	17,676	--	2,255	971	14,450
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					
January	2,002	--	416	177	1,410
February	1,782	--	360	151	1,271
March	1,819	--	365	144	1,310
April	1,529	--	293	106	1,131
May	1,584	--	320	95	1,169
June	1,618	--	318	112	1,189
July	1,680	--	326	110	1,244
August	1,683	--	313	113	1,257
September	1,599	--	278	101	1,220
October	1,633	--	288	104	1,240
November	1,686	--	297	125	1,264
December	1,892	--	361	144	1,387
Total	20,507	--	3,935	1,481	15,091
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
September	1,677	--	296	107	1,275
October	1,653	--	287	98	1,267
November	1,740	--	308	107	1,325
December	1,955	--	336	139	1,481
Total	21,727	--	3,808	1,406	16,513
2011					
January	2,074	--	377	148	1,548
February	1,859	--	342	136	1,380
March	1,914	--	338	129	1,447
April	1,762	--	330	102	1,330
May	1,842	--	358	104	1,380
June	1,807	--	340	99	1,368
July	1,865	--	349	106	1,410
August	1,797	--	327	98	1,372
September	1,740	--	311	98	1,331
October	1,782	--	329	97	1,355
November	1,727	--	297	103	1,327
December	1,846	--	338	114	1,394
Total	22,014	--	4,035	1,336	16,643
Year-to-Date					
2009	20,507	--	3,935	1,481	15,091
2010	21,727	--	3,808	1,406	16,513
2011	22,014	--	4,035	1,336	16,643
Rolling 12 Months Ending in December					
2010	21,727	--	3,808	1,406	16,513
2011	22,014	--	4,035	1,336	16,643

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

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;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1997 through December 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	952,955	900,361	21,003	1,738	29,853
1998	966,615	910,867	25,752	1,443	28,553
1999	970,175	894,120	46,801	1,490	27,763
2000	1,015,398	859,335	126,486	1,547	28,031
2001	991,635	806,269	158,163	1,448	25,755
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					
January	92,641	66,535	24,105	208	1,793
February	76,038	54,408	19,846	178	1,605
March	73,810	53,064	18,884	170	1,692
April	68,738	49,581	17,543	128	1,487
May	72,092	52,633	17,792	117	1,550
June	80,689	59,827	19,127	135	1,600
July	86,039	63,066	21,177	137	1,659
August	88,471	64,759	21,876	143	1,694
September	75,305	55,923	17,643	127	1,611
October	76,319	55,597	18,923	129	1,671
November	74,836	54,755	18,308	151	1,622
December	90,212	65,468	22,788	174	1,783
Total	955,190	695,615	238,012	1,798	19,766
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
September	81,250	58,199	20,977	133	1,941
October	72,571	51,353	19,139	121	1,958
November	74,496	52,962	19,552	128	1,854
December	90,600	64,645	23,544	165	2,246
Total	1,001,411	721,431	253,621	1,720	24,638
2011					
January	92,180	66,014	23,669	178	2,320
February	75,364	54,347	18,808	165	2,044
March	74,254	54,001	18,008	158	2,088
April	68,631	49,405	17,336	124	1,767
May	75,353	54,978	18,122	128	2,126
June	85,880	62,639	21,060	124	2,056
July	96,079	69,803	23,934	134	2,208
August	93,974	68,049	23,618	124	2,182
September	78,352	55,781	20,350	121	2,100
October	71,305	50,619	18,490	116	2,080
November	68,515	48,760	17,797	123	1,835
December	75,036	54,041	18,930	138	1,927
Total	954,925	688,436	240,122	1,633	24,733
Year-to-Date					
2009	955,190	695,615	238,012	1,798	19,766
2010	1,001,411	721,431	253,621	1,720	24,638
2011	954,925	688,436	240,122	1,633	24,733
Rolling 12 Months Ending in December					
2010	1,001,411	721,431	253,621	1,720	24,638
2011	954,925	688,436	240,122	1,633	24,733

Notes: • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation by Sector, 1997 through December 2011
(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	139,286	125,146	6,053	784	7,304
1998	198,339	178,614	10,838	795	8,092
1999	185,111	143,830	32,479	927	7,875
2000	176,506	120,129	48,043	816	7,518
2001	197,316	126,367	62,211	991	7,746
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					
January	8,339	4,402	3,648	53	237
February	3,873	2,562	1,069	22	220
March	3,543	2,335	1,022	12	175
April	2,694	2,138	403	12	141
May	3,472	2,868	439	11	154
June	3,464	2,916	411	7	130
July	3,585	2,957	508	9	112
August	4,144	3,153	858	14	119
September	2,745	2,299	331	9	106
October	3,047	2,590	370	10	77
November	2,187	1,749	347	10	81
December	2,467	1,879	473	15	100
Total	43,562	31,847	9,880	184	1,652
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
September	2,844	2,154	622	13	56
October	2,029	1,581	369	10	69
November	2,001	1,487	436	5	73
December	4,170	3,161	903	14	91
Total	40,103	30,806	8,278	164	855
2011					
January	3,170	2,118	973	13	66
February	1,985	1,535	388	9	53
March	2,095	1,694	342	7	52
April	2,407	2,037	300	6	63
May	2,241	1,832	361	7	41
June	2,375	1,758	554	9	55
July	2,870	1,877	934	15	43
August	2,264	1,761	445	9	49
September	1,898	1,498	324	8	68
October	1,776	1,451	265	11	49
November	1,754	1,435	270	7	41
December	1,896	1,474	364	7	50
Total	26,728	20,469	5,521	109	629
Year-to-Date					
2009	43,562	31,847	9,880	184	1,652
2010	40,103	30,806	8,278	164	855
2011	26,728	20,469	5,521	109	629
Rolling 12 Months Ending in December					
2010	40,103	30,806	8,278	164	855
2011	26,728	20,469	5,521	109	629

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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 liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output by Sector, 1997 through December 2011
(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	18,756	--	1,611	779	16,366
1998	22,164	--	806	992	20,366
1999	19,636	--	785	666	18,184
2000	17,644	--	812	771	16,061
2001	14,963	--	576	809	13,577
2002	12,452	--	286	555	11,612
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					
January	1,153	--	213	117	823
February	828	--	116	42	669
March	730	--	106	19	605
April	628	--	103	13	512
May	853	--	102	9	742
June	621	--	85	7	529
July	564	--	88	10	466
August	526	--	91	16	419
September	544	--	87	5	452
October	508	--	109	7	392
November	525	--	99	18	408
December	650	--	103	30	517
Total	8,128	--	1,301	293	6,534
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
September	313	--	88	9	215
October	398	--	95	5	298
November	431	--	128	8	296
December	552	--	97	31	424
Total	4,866	--	1,086	212	3,567
2011					
January	432	--	116	25	291
February	307	--	73	10	225
March	298	--	76	15	207
April	325	--	85	9	231
May	273	--	84	10	180
June	278	--	84	13	181
July	283	--	88	19	175
August	275	--	94	11	171
September	273	--	91	7	175
October	300	--	88	8	204
November	240	--	84	8	148
December	243	--	77	8	158
Total	3,527	--	1,040	141	2,346
Year-to-Date					
2009	8,128	--	1,301	293	6,534
2010	4,866	--	1,086	212	3,567
2011	3,527	--	1,040	141	2,346
Rolling 12 Months Ending in December					
2010	4,866	--	1,086	212	3,567
2011	3,527	--	1,040	141	2,346

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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 liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1997 through December 2011
(Thousand Barrels)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	158,042	125,146	7,664	1,562	23,670
1998	220,503	178,614	11,644	1,787	28,458
1999	204,747	143,830	33,264	1,593	26,059
2000	194,150	120,129	48,855	1,587	23,579
2001	212,279	126,367	62,788	1,801	21,323
2002	146,642	88,596	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					
January	9,492	4,402	3,861	170	1,060
February	4,700	2,562	1,185	64	889
March	4,273	2,335	1,128	31	779
April	3,322	2,138	506	26	653
May	4,325	2,868	541	19	896
June	4,085	2,916	496	14	659
July	4,150	2,957	595	19	578
August	4,670	3,153	949	31	538
September	3,289	2,299	418	15	558
October	3,555	2,590	478	17	469
November	2,713	1,749	447	29	489
December	3,117	1,879	577	44	617
Total	51,690	31,847	11,181	477	8,185
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
September	3,157	2,154	711	22	271
October	2,427	1,581	463	15	367
November	2,433	1,487	564	13	369
December	4,722	3,161	1,000	46	515
Total	44,968	30,806	9,364	376	4,422
2011					
January	3,602	2,118	1,090	38	357
February	2,292	1,535	461	18	278
March	2,392	1,694	418	22	259
April	2,732	2,037	385	15	294
May	2,514	1,832	444	17	221
June	2,653	1,758	638	22	236
July	3,153	1,877	1,023	35	218
August	2,539	1,761	538	20	220
September	2,171	1,498	415	15	243
October	2,075	1,451	353	19	253
November	1,994	1,435	355	15	189
December	2,139	1,474	441	15	208
Total	30,255	20,469	6,561	250	2,975
Year-to-Date					
2009	51,690	31,847	11,181	477	8,185
2010	44,968	30,806	9,364	376	4,422
2011	30,255	20,469	6,561	250	2,975
Rolling 12 Months Ending in December					
2010	44,968	30,806	9,364	376	4,422
2011	30,255	20,469	6,561	250	2,975

Notes: • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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 liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation by Sector, 1997 through December 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	4,086	1,400	1,801	1	884
1998	4,860	1,769	2,230	1	860
1999	4,552	1,608	2,000	1	944
2000	3,744	1,132	2,023	1	588
2001	3,871	1,418	1,890	6	557
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					
January	426	265	132	*	28
February	390	230	133	*	27
March	480	312	143	*	25
April	427	265	139	--	24
May	432	271	136	--	26
June	433	252	154	--	27
July	455	253	170	--	32
August	439	249	160	*	30
September	438	244	163	*	31
October	276	121	126	--	29
November	273	116	127	*	30
December	353	183	143	*	27
Total	4,821	2,761	1,724	1	335
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
September	394	296	75	*	23
October	362	245	92	*	25
November	317	201	89	*	27
December	408	274	108	*	25
Total	4,994	3,325	1,354	2	313
2011					
January	526	393	101	*	32
February	387	260	106	*	21
March	465	305	135	*	25
April	304	195	87	--	21
May	316	199	97	--	20
June	388	273	91	--	24
July	479	342	109	--	28
August	415	299	90	--	26
September	392	296	74	--	23
October	307	220	68	--	19
November	250	156	77	*	17
December	331	234	75	*	22
Total	4,561	3,172	1,110	1	279
Year-to-Date					
2009	4,821	2,761	1,724	1	335
2010	4,994	3,325	1,354	2	313
2011	4,561	3,172	1,110	1	279
Rolling 12 Months Ending in December					
2010	4,994	3,325	1,354	2	313
2011	4,561	3,172	1,110	1	279

* = Value is less than half of the 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: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output by Sector, 1997 through December 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	2,009	--	171	3	1,835
1998	1,336	--	103	3	1,230
1999	1,437	--	128	3	1,307
2000	924	--	120	4	800
2001	661	--	119	--	542
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					
January	83	--	12	1	71
February	84	--	11	1	72
March	79	--	9	1	69
April	68	--	11	--	57
May	68	--	11	--	57
June	81	--	12	--	69
July	91	--	11	--	79
August	92	--	10	1	80
September	93	--	10	1	83
October	88	--	9	--	79
November	93	--	10	1	82
December	87	--	10	2	75
Total	1,007	--	126	8	873
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
September	82	--	2	1	79
October	91	--	9	1	81
November	97	--	11	1	84
December	91	--	9	2	81
Total	1,059	--	98	11	950
2011					
January	75	--	5	1	69
February	103	--	9	1	93
March	107	--	11	1	95
April	105	--	9	--	96
May	118	--	11	--	107
June	87	--	9	--	78
July	87	--	11	--	76
August	82	--	11	--	72
September	73	--	10	--	62
October	81	--	7	--	74
November	109	--	9	1	99
December	77	--	10	1	65
Total	1,105	--	113	6	987
Year-to-Date					
2009	1,007	--	126	8	873
2010	1,059	--	98	11	950
2011	1,105	--	113	6	987
Rolling 12 Months Ending in December					
2010	1,059	--	98	11	950
2011	1,105	--	113	6	987

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1997 through December 2011
(Thousand Tons)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	6,095	1,400	1,972	4	2,719
1998	6,196	1,769	2,333	4	2,090
1999	5,989	1,608	2,127	4	2,251
2000	4,669	1,132	2,143	6	1,388
2001	4,532	1,418	2,009	6	1,099
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					
January	509	265	144	1	98
February	474	230	143	1	99
March	559	312	153	1	94
April	494	265	149	--	81
May	501	271	147	--	83
June	514	252	165	--	96
July	545	253	181	--	112
August	530	249	170	1	110
September	531	244	173	1	114
October	364	121	135	--	108
November	366	116	136	1	112
December	441	183	153	2	103
Total	5,828	2,761	1,850	9	1,209
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
September	475	296	76	1	102
October	453	245	101	1	106
November	414	201	100	2	111
December	499	274	117	2	106
Total	6,053	3,325	1,452	12	1,264
2011					
January	602	393	107	1	100
February	490	260	115	1	115
March	573	305	145	1	121
April	409	195	96	--	117
May	434	199	107	--	128
June	475	273	101	--	101
July	566	342	120	--	104
August	498	299	101	--	98
September	465	296	84	--	85
October	388	220	75	--	93
November	358	156	86	1	116
December	408	234	85	2	88
Total	5,666	3,172	1,223	6	1,265
Year-to-Date					
2009	5,828	2,761	1,850	9	1,209
2010	6,053	3,325	1,452	12	1,264
2011	5,666	3,172	1,223	6	1,265
Rolling 12 Months Ending in December					
2010	6,053	3,325	1,452	12	1,264
2011	5,666	3,172	1,223	6	1,265

Notes: • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report," and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.4.A. Natural Gas: Consumption for Electricity Generation by Sector, 1997 through December 2011
(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	4,564,770	2,968,453	934,742	38,975	622,599
1998	5,081,384	3,258,054	1,157,759	40,693	624,878
1999	5,321,984	3,113,419	1,530,355	39,045	639,165
2000	5,691,481	3,043,094	1,970,977	37,029	640,381
2001	5,832,305	2,686,287	2,456,206	36,248	653,565
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					
January	504,728	197,397	262,573	2,895	41,863
February	470,035	188,726	240,488	2,672	38,149
March	518,595	216,765	257,925	2,752	41,153
April	468,256	188,630	239,017	2,575	38,034
May	533,170	221,387	269,991	2,517	39,276
June	664,674	282,521	336,070	2,780	43,303
July	802,024	329,356	421,170	3,188	48,309
August	864,501	346,858	464,687	3,358	49,598
September	713,414	291,103	372,510	3,051	46,749
October	558,901	229,615	282,576	2,852	43,858
November	478,878	197,075	236,559	2,585	42,660
December	543,893	221,847	272,147	3,053	46,846
Total	7,121,069	2,911,279	3,655,712	34,279	519,799
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
September	723,230	306,156	365,331	3,447	48,295
October	594,338	260,110	287,180	3,471	43,576
November	519,375	219,357	253,331	3,345	43,341
December	590,663	254,209	283,622	4,364	48,467
Total	7,680,185	3,290,993	3,794,423	39,462	555,307
2011					
January	563,832	233,072	278,829	3,413	48,518
February	503,124	203,170	253,401	2,981	43,573
March	503,889	211,803	244,771	2,899	44,416
April	548,297	238,912	261,446	2,925	45,014
May	602,778	265,648	285,846	3,120	48,163
June	728,673	326,977	351,796	3,077	46,823
July	965,584	425,152	487,217	3,538	49,676
August	947,850	415,830	478,457	3,340	50,222
September	709,700	303,177	357,592	2,960	45,971
October	599,942	260,894	292,528	2,946	43,574
November	567,665	235,483	282,333	3,140	46,709
December	639,148	258,104	326,123	3,434	51,486
Total	7,880,481	3,378,222	3,900,340	37,773	564,146
Year-to-Date					
2009	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,880,481	3,378,222	3,900,340	37,773	564,146
Rolling 12 Months Ending in December					
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,880,481	3,378,222	3,900,340	37,773	564,146

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output by Sector, 1997 through December 2011
(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	868,569	--	161,608	47,941	659,021
1998	949,106	--	172,471	46,527	730,108
1999	982,958	--	175,757	44,991	762,210
2000	985,263	--	192,253	47,844	745,165
2001	898,286	--	199,808	42,407	656,071
2002	866,529	--	263,619	44,565	558,345
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					
January	70,174	--	27,456	3,682	39,036
February	60,561	--	24,258	3,138	33,165
March	65,780	--	24,988	3,347	37,444
April	62,311	--	23,748	2,871	35,692
May	64,310	--	24,098	2,808	37,405
June	66,131	--	24,206	3,081	38,844
July	72,266	--	27,491	3,853	40,922
August	75,388	--	28,773	4,095	42,520
September	71,908	--	26,398	3,954	41,555
October	69,324	--	24,822	3,398	41,103
November	64,806	--	23,451	3,347	38,008
December	73,829	--	25,852	3,701	44,276
Total	816,787	--	305,542	41,275	469,970
2010					
January	72,867	--	26,791	4,086	41,990
February	64,030	--	23,665	3,731	36,634
March	68,097	--	25,259	3,612	39,225
April	62,604	--	22,596	3,279	36,729
May	64,675	--	24,150	3,079	37,446
June	64,855	--	24,210	3,254	37,391
July	74,050	--	28,575	4,452	41,023
August	74,748	--	27,921	4,955	41,872
September	67,954	--	25,235	4,034	38,685
October	67,393	--	23,073	3,960	40,361
November	66,220	--	23,851	3,786	38,583
December	74,282	--	26,442	4,096	43,744
Total	821,775	--	301,769	46,324	473,683
2011					
January	75,394	--	30,315	4,193	40,886
February	64,732	--	25,653	3,544	35,535
March	66,535	--	26,119	3,447	36,969
April	66,208	--	25,599	3,345	37,264
May	68,469	--	26,261	3,591	38,617
June	65,677	--	26,223	3,315	36,139
July	71,692	--	29,831	3,706	38,155
August	71,862	--	29,139	3,590	39,132
September	67,352	--	25,677	3,398	38,278
October	66,238	--	25,058	3,511	37,670
November	68,083	--	25,429	3,812	38,842
December	74,306	--	28,061	4,208	42,036
Total	826,548	--	323,364	43,661	459,524
Year-to-Date					
2009	816,787	--	305,542	41,275	469,970
2010	821,775	--	301,769	46,324	473,683
2011	826,548	--	323,364	43,661	459,524
Rolling 12 Months Ending in December					
2010	821,775	--	301,769	46,324	473,683
2011	826,548	--	323,364	43,661	459,524

Notes: • Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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. • Natural gas, including a small amount of supplemental gaseous fuels.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output by Sector, 1997 through December 2011
(Thousand Mcf)

Period	Total (All Sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
1997	5,433,338	2,968,453	1,096,350	86,915	1,281,620
1998	6,030,490	3,258,054	1,330,230	87,220	1,354,986
1999	6,304,942	3,113,419	1,706,112	84,037	1,401,374
2000	6,676,744	3,043,094	2,163,230	84,874	1,385,546
2001	6,730,591	2,686,287	2,656,014	78,655	1,309,636
2002	6,986,081	2,259,684	3,412,213	73,975	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					
January	574,902	197,397	290,029	6,577	80,899
February	530,596	188,726	264,746	5,809	71,315
March	584,375	216,765	282,913	6,100	78,597
April	530,567	188,630	262,765	5,446	73,726
May	597,481	221,387	294,089	5,325	76,680
June	730,805	282,521	360,276	5,861	82,147
July	874,289	329,356	448,661	7,041	89,231
August	939,889	346,858	493,460	7,453	92,118
September	785,321	291,103	398,908	7,005	88,304
October	628,224	229,615	307,398	6,251	84,961
November	543,685	197,075	260,010	5,932	80,668
December	617,722	221,847	297,999	6,754	91,121
Total	7,937,856	2,911,279	3,961,254	75,555	989,769
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
September	791,184	306,156	390,566	7,481	86,980
October	661,732	260,110	310,253	7,431	83,937
November	585,595	219,357	277,182	7,131	81,924
December	664,945	254,209	310,065	8,461	92,210
Total	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011					
January	639,226	233,072	309,144	7,606	89,404
February	567,856	203,170	279,053	6,525	79,108
March	570,424	211,803	270,890	6,346	81,385
April	614,505	238,912	287,045	6,271	82,278
May	671,246	265,648	312,107	6,711	86,780
June	794,349	326,977	378,019	6,391	82,962
July	1,037,276	425,152	517,049	7,244	87,831
August	1,019,712	415,830	507,597	6,931	89,355
September	777,052	303,177	383,268	6,358	84,249
October	666,180	260,894	317,586	6,456	81,244
November	635,749	235,483	307,762	6,952	85,551
December	713,453	258,104	354,184	7,643	93,523
Total	8,707,029	3,378,222	4,223,703	81,433	1,023,670
Year-to-Date					
2009	7,937,856	2,911,279	3,961,254	75,555	989,769
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,707,029	3,378,222	4,223,703	81,433	1,023,670
Rolling 12 Months Ending in December					
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,707,029	3,378,222	4,223,703	81,433	1,023,670

Notes: • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 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. • Natural gas, including a small amount of supplemental gaseous fuels.

Sources: U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and U.S. Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report;" and predecessor forms. Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2.5.A. Consumption of Coal for Electricity Generation by State by Sector, December 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	162	579	-72.1	60	147	100	431	--	--	NM	1
Connecticut	--	148	--	--	--	--	148	--	--	--	--
Maine	1	2	-49.0	--	--	*	1	--	--	*	1
Massachusetts	100	283	-64.5	--	--	100	282	--	--	NM	*
New Hampshire	60	147	-58.9	60	147	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,531	5,626	-37.2	NM	7	3,477	5,557	NM	*	52	61
New Jersey	41	259	-84.3	--	--	41	259	--	--	--	--
New York	160	686	-76.6	NM	7	152	674	--	*	6	5
Pennsylvania	3,330	4,680	-28.8	--	--	3,285	4,624	NM	*	46	56
East North Central	16,565	19,727	-16.0	11,213	13,403	5,252	6,225	6	5	94	95
Illinois	4,659	5,093	-8.5	510	599	4,092	4,436	1	2	57	57
Indiana	4,295	5,171	-16.9	3,875	4,751	415	416	4	3	NM	1
Michigan	2,491	2,656	-6.2	2,464	2,629	19	19	*	--	8	8
Ohio	3,121	4,558	-31.5	2,386	3,196	727	1,354	--	--	8	9
Wisconsin	1,998	2,249	-11.2	1,978	2,228	--	--	NM	*	20	21
West North Central	12,338	13,745	-10.2	12,220	13,599	--	--	6	7	113	138
Iowa	1,915	2,185	-12.3	1,845	2,112	--	--	4	4	66	68
Kansas	1,785	1,674	6.6	1,785	1,674	--	--	--	--	--	--
Minnesota	1,264	1,698	-25.5	1,229	1,651	--	--	--	--	36	48
Missouri	3,786	4,448	-14.9	3,781	4,441	--	--	2	3	NM	4
Nebraska	1,333	1,381	-3.5	1,332	1,373	--	--	--	--	NM	9
North Dakota	2,083	2,163	-3.7	2,076	2,153	--	--	--	--	7	10
South Dakota	173	196	-11.9	173	196	--	--	--	--	--	--
South Atlantic	9,347	14,809	-36.9	7,716	12,449	1,581	2,294	2	4	48	63
Delaware	23	79	-70.2	--	--	23	79	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,485	2,356	-36.9	1,435	2,247	47	103	--	--	NM	6
Georgia	1,912	3,031	-36.9	1,900	3,014	--	--	--	--	12	17
Maryland	560	1,049	-46.6	--	--	556	1,044	--	--	4	6
North Carolina	1,452	2,825	-48.6	1,396	2,733	50	83	2	2	5	7
South Carolina	891	1,437	-38.0	886	1,424	NM	7	--	--	5	6
Virginia	424	960	-55.8	370	782	43	163	NM	1	10	13
West Virginia	2,600	3,073	-15.4	1,729	2,249	861	815	--	--	9	9
East South Central	6,890	9,085	-24.2	6,510	8,715	352	342	NM	*	27	27
Alabama	1,758	2,505	-29.8	1,751	2,494	1	5	--	--	6	7
Kentucky	3,627	3,902	-7.1	3,627	3,902	--	--	--	--	--	--
Mississippi	578	748	-22.7	227	410	351	337	--	--	--	--
Tennessee	928	1,929	-51.9	906	1,908	--	--	NM	*	21	21
West South Central	13,171	13,836	-4.8	7,017	7,005	5,974	6,477	--	--	181	353
Arkansas	1,507	1,679	-10.2	1,251	1,414	254	262	--	--	2	3
Louisiana	1,445	1,512	-4.4	767	714	678	798	--	--	--	--
Oklahoma	1,767	1,546	14.3	1,661	1,411	97	119	--	--	9	17
Texas	8,452	9,099	-7.1	3,338	3,467	4,945	5,298	--	--	170	334
Mountain	10,224	10,186	.4	9,051	9,064	1,164	1,107	--	--	9	15
Arizona	2,062	2,081	-1.0	2,058	2,073	--	--	--	--	NM	9
Colorado	1,598	1,780	-10.2	1,596	1,777	NM	3	--	--	--	--
Idaho	2	2	-37.0	--	--	--	--	--	--	2	2
Montana	1,046	979	6.8	NM	30	1,020	950	--	--	--	--
Nevada	265	327	-18.9	193	252	71	75	--	--	--	--
New Mexico	1,427	1,297	10.0	1,427	1,297	--	--	--	--	--	--
Utah	1,284	1,291	-.5	1,251	1,255	NM	36	--	--	--	--
Wyoming	2,540	2,427	4.6	2,499	2,380	37	43	--	--	3	4
Pacific Contiguous	889	937	-5.2	233	241	648	689	--	--	7	7
California	58	78	-25.3	--	--	52	72	--	--	6	6
Oregon	233	241	-3.5	233	241	--	--	--	--	--	--
Washington	598	618	-3.3	--	--	597	617	--	--	1	1
Pacific Noncontiguous	73	114	-36.0	19	16	43	85	10	10	NM	3
Alaska	44	47	-6.0	19	16	NM	21	10	10	--	--
Hawaii	29	67	-56.9	--	--	28	64	--	--	NM	3
U.S. Total	73,190	88,645	-17.4	54,041	64,645	18,592	23,208	24	26	533	765

* = Value is less than half of the 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: • 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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Natural gas, including a small amount of supplemental gaseous fuels.

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 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	3,103	6,036	-48.6	898	1,247	2,193	4,774	--	--	12	15
Connecticut	317	1,266	-74.9	--	--	317	1,266	--	--	--	--
Maine.....	14	20	-33.1	--	--	7	11	--	--	6	9
Massachusetts	1,873	3,503	-46.5	--	--	1,868	3,497	--	--	6	6
New Hampshire	898	1,247	-28.0	898	1,247	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	53,287	60,223	-11.5	NM	35	52,577	59,476	1	1	671	710
New Jersey	1,839	2,922	-37.0	--	--	1,839	2,922	--	--	--	--
New York	4,773	6,308	-24.3	NM	35	4,653	6,192	1	1	80	80
Pennsylvania	46,675	50,993	-8.5	--	--	46,084	50,362	*	*	591	631
East North Central	210,026	224,480	-6.4	145,274	156,380	63,587	66,895	97	106	1,069	1,099
Illinois.....	54,207	55,933	-3.1	6,488	6,910	47,047	48,333	8	11	664	679
Indiana.....	52,581	56,220	-6.5	47,853	51,365	4,677	4,804	39	39	12	13
Michigan.....	32,387	35,101	-7.7	32,045	34,742	214	224	46	51	83	84
Ohio.....	47,707	53,153	-10.2	35,976	39,530	11,649	13,535	--	--	81	87
Wisconsin	23,145	24,074	-3.9	22,913	23,833	--	--	4	4	228	236
West North Central	146,120	148,048	-1.3	144,724	146,462	--	--	68	83	1,328	1,502
Iowa.....	23,572	25,595	-7.9	22,769	24,780	--	--	42	50	762	765
Kansas.....	20,129	20,965	-4.0	20,129	20,965	--	--	--	--	--	--
Minnesota	16,997	17,085	-5	16,558	16,582	--	--	--	--	439	504
Missouri.....	46,396	44,766	3.6	46,342	44,692	--	--	26	33	27	41
Nebraska.....	15,071	14,271	5.6	15,060	14,167	--	--	--	--	12	104
North Dakota	22,201	23,202	-4.3	22,112	23,113	--	--	--	--	89	89
South Dakota	1,755	2,164	-18.9	1,755	2,164	--	--	--	--	--	--
South Atlantic	140,318	158,882	-11.7	118,114	134,170	21,553	24,024	25	28	627	660
Delaware.....	712	1,223	-41.7	--	--	712	1,223	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	22,669	25,315	-10.5	21,525	23,912	1,086	1,338	--	--	59	65
Georgia.....	29,053	34,437	-15.6	28,894	34,269	--	--	--	--	159	168
Maryland	9,003	9,886	-8.9	--	--	8,952	9,830	--	--	51	56
North Carolina	24,528	29,342	-16.4	23,569	28,404	871	847	14	17	74	74
South Carolina	13,962	15,393	-9.3	13,866	15,249	36	75	--	--	61	69
Virginia.....	8,548	10,593	-19.3	7,425	9,007	986	1,435	10	11	127	140
West Virginia.....	31,842	32,693	-2.6	22,837	23,328	8,910	9,277	--	--	95	88
East South Central	97,212	102,402	-5.1	94,119	98,374	2,737	3,665	5	6	351	357
Alabama.....	28,229	31,025	-9.0	28,100	30,885	36	53	--	--	93	88
Kentucky.....	42,547	41,891	1.6	42,547	41,891	--	--	--	--	--	--
Mississippi.....	6,206	8,589	-27.7	3,504	4,977	2,701	3,612	--	--	--	--
Tennessee	20,231	20,897	-3.2	19,967	20,622	--	--	5	6	259	269
West South Central	165,668	155,461	6.6	84,943	82,203	77,174	70,196	--	--	3,551	3,062
Arkansas.....	17,491	16,566	5.6	15,123	15,581	2,343	956	--	--	26	28
Louisiana	16,713	16,218	3.1	8,421	8,159	8,292	8,058	--	--	--	--
Oklahoma	21,483	19,559	9.8	19,993	18,019	1,311	1,343	--	--	179	196
Texas.....	109,982	103,119	6.7	41,406	40,443	65,229	59,838	--	--	3,347	2,838
Mountain	109,764	113,935	-3.7	98,164	99,953	11,218	13,366	--	--	382	617
Arizona.....	23,300	23,176	.5	23,217	23,084	--	--	--	--	84	92
Colorado.....	18,532	18,770	-1.3	18,489	18,727	43	43	--	--	--	--
Idaho.....	18	21	-14.9	--	--	--	--	--	--	18	21
Montana.....	9,969	12,005	-17.0	277	311	9,692	11,694	--	--	--	--
Nevada.....	2,863	3,588	-20.2	2,136	2,803	727	785	--	--	--	--
New Mexico	15,496	14,536	6.6	15,496	14,536	--	--	--	--	--	--
Utah.....	15,165	15,694	-3.4	14,560	14,865	367	368	--	--	238	460
Wyoming.....	24,421	26,145	-6.6	23,989	25,626	390	475	--	--	43	44
Pacific Contiguous	6,229	8,986	-30.7	1,985	2,417	4,162	6,487	--	--	82	82
California.....	812	832	-2.4	--	--	737	761	--	--	75	71
Oregon.....	1,985	2,417	-17.9	1,985	2,417	--	--	--	--	--	--
Washington.....	3,432	5,737	-40.2	--	--	3,425	5,727	--	--	7	11
Pacific Noncontiguous	1,182	1,230	-3.9	175	189	886	930	102	90	18	21
Alaska.....	475	497	-4.3	175	189	198	218	102	90	--	--
Hawaii.....	707	733	-3.7	--	--	688	712	--	--	18	21
U.S. Total	932,911	979,684	-4.8	688,436	721,431	236,087	249,814	297	314	8,091	8,125

* = Value is less than half of the 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: • 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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal syngas.

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 2011 and 2010
(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	39	179	-78.4	7	32	21	130	NM	8	6	10
Connecticut	8	51	-84.3	NM	*	8	50	--	--	NM	*
Maine	9	67	-86.7	NM	*	3	56	NM	*	5	10
Massachusetts	18	42	-56.5	4	14	11	23	NM	5	NM	*
New Hampshire	NM	18	--	1	16	NM	--	NM	2	NM	*
Rhode Island	NM	*	--	NM	*	NM	*	NM	*	--	--
Vermont	NM	1	--	NM	1	--	--	--	--	--	--
Middle Atlantic	107	420	-74.6	16	131	81	277	NM	1	9	11
New Jersey	NM	64	--	NM	1	4	62	NM	*	NM	*
New York	57	236	-75.6	15	129	34	96	NM	1	8	10
Pennsylvania	44	121	-63.7	NM	*	43	120	NM	1	NM	1
East North Central	117	137	-14.8	92	109	22	21	NM	2	2	5
Illinois	16	14	12.0	6	4	10	11	NM	*	NM	*
Indiana	26	22	19.3	26	18	NM	*	NM	1	1	3
Michigan	19	39	-51.5	18	38	NM	*	*	1	1	1
Ohio	47	50	-5.9	37	39	10	10	--	--	*	*
Wisconsin	8	11	-27.3	5	11	3	*	NM	*	NM	*
West North Central	45	43	5.9	43	41	2	1	NM	*	NM	*
Iowa	10	8	19.9	10	8	NM	*	NM	*	NM	*
Kansas	7	7	-1.7	7	7	--	--	--	--	--	--
Minnesota	4	5	-18.8	NM	4	2	1	NM	*	NM	*
Missouri	9	11	-17.4	9	11	--	--	NM	*	--	*
Nebraska	5	4	26.3	5	4	--	--	--	--	--	--
North Dakota	9	5	67.8	9	5	--	--	NM	*	NM	*
South Dakota	NM	3	--	2	2	NM	*	NM	*	--	--
South Atlantic	226	1,909	-88.2	151	1,572	62	308	NM	1	12	28
Delaware	5	31	-84.1	NM	*	5	31	--	--	--	--
District of Columbia	--	12	--	--	--	--	12	--	--	--	--
Florida	42	1,026	-95.9	NM	919	NM	102	--	--	4	5
Georgia	32	46	-32.1	28	27	NM	11	NM	1	3	8
Maryland	47	98	-52.4	NM	2	46	91	NM	*	*	6
North Carolina	29	105	-72.6	26	100	NM	1	NM	*	NM	4
South Carolina	NM	67	--	NM	66	--	--	NM	*	1	1
Virginia	30	502	-94.0	20	449	NM	49	*	*	3	3
West Virginia	25	20	25.4	25	8	--	12	--	--	--	--
East South Central	100	137	-27.4	98	124	NM	5	--	--	NM	9
Alabama	25	43	-42.8	23	30	NM	5	--	--	NM	8
Kentucky	27	24	9.7	27	24	--	--	--	--	--	--
Mississippi	NM	3	--	NM	3	--	--	--	--	*	*
Tennessee	44	67	-33.8	44	66	--	--	--	--	NM	*
West South Central	69	31	120.4	18	20	39	8	NM	*	11	3
Arkansas	12	11	8.8	11	9	*	1	--	--	NM	1
Louisiana	8	5	51.8	1	4	4	1	--	--	3	1
Oklahoma	4	5	-24.4	4	5	--	--	NM	*	NM	--
Texas	45	10	343.9	2	3	35	7	NM	*	8	1
Mountain	39	48	-19.7	36	44	2	4	NM	*	NM	*
Arizona	7	7	9.6	7	7	--	--	NM	*	NM	*
Colorado	4	12	-65.3	4	12	--	--	--	--	NM	*
Idaho	NM	*	--	NM	*	--	--	--	--	--	--
Montana	2	4	-47.1	NM	*	2	4	--	--	--	--
Nevada	3	2	55.3	3	2	*	*	--	--	--	--
New Mexico	7	8	-17.2	7	8	--	--	NM	*	NM	*
Utah	8	9	-9.1	8	9	--	--	--	--	--	--
Wyoming	7	6	9.5	7	6	--	--	--	--	NM	*
Pacific Contiguous	9	19	-54.6	5	8	3	10	NM	*	*	2
California	5	13	-57.9	5	6	NM	7	NM	*	NM	*
Oregon	*	1	--	*	1	--	--	--	--	--	--
Washington	3	6	-47.7	NM	2	NM	3	NM	*	*	1
Pacific Noncontiguous	1,147	1,246	-8.0	1,007	1,080	130	140	NM	2	9	24
Alaska	136	231	-41.4	130	219	--	--	NM	2	NM	11
Hawaii	1,011	1,014	-3	877	862	130	140	*	*	3	13
U.S. Total	1,896	4,170	-54.5	1,474	3,161	364	903	7	14	50	91

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

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

Notes: • 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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 2011 and 2010
(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	1,211	2,062	-41.3	235	247	836	1,633	64	88	77	95
Connecticut	350	842	-58.4	3	6	346	835	--	--	NM	1
Maine	320	500	-36.0	NM	3	235	396	NM	8	76	92
Massachusetts	369	548	-32.6	74	87	252	400	43	61	NM	1
New Hampshire	140	135	3.8	126	117	NM	1	13	16	NM	*
Rhode Island	23	25	-5.4	21	22	NM	1	NM	2	--	--
Vermont	NM	12	--	NM	12	--	--	--	--	--	--
Middle Atlantic	2,712	4,257	-36.3	915	1,598	1,686	2,522	14	34	98	103
New Jersey	202	417	-51.5	NM	18	186	394	NM	*	NM	4
New York	1,660	2,688	-38.2	902	1,579	660	989	8	26	90	93
Pennsylvania	850	1,152	-26.2	NM	1	839	1,139	NM	7	4	6
East North Central	1,476	1,515	-2.6	1,239	1,184	214	283	6	14	17	35
Illinois	158	205	-23.0	53	50	104	154	NM	*	NM	*
Indiana	298	276	7.8	287	255	NM	*	2	2	9	19
Michigan	360	395	-8.9	351	372	NM	*	3	12	5	11
Ohio	584	552	5.8	480	427	102	122	--	--	2	3
Wisconsin	77	87	-12.3	67	79	8	7	NM	*	NM	2
West North Central	578	731	-20.9	564	715	7	8	NM	3	4	5
Iowa	156	183	-14.7	154	178	NM	5	NM	*	NM	*
Kansas	79	98	-19.4	79	98	--	--	--	--	--	--
Minnesota	55	68	-20.0	46	61	5	3	NM	3	2	2
Missouri	143	236	-39.5	142	235	--	--	NM	*	NM	1
Nebraska	51	57	-11.1	51	57	--	--	--	--	--	--
North Dakota	76	71	7.8	75	69	--	--	NM	*	2	2
South Dakota	19	18	2.5	18	17	NM	1	NM	*	--	--
South Atlantic	5,242	15,278	-65.7	4,093	13,096	989	1,965	8	8	153	209
Delaware	73	103	-29.1	NM	1	72	102	--	--	--	--
District of Columbia	275	434	-36.6	--	--	275	434	--	--	--	--
Florida	2,390	10,431	-77.1	2,337	9,983	19	406	--	--	34	42
Georgia	224	267	-16.1	168	172	NM	37	NM	4	47	54
Maryland	439	659	-33.4	9	10	426	640	NM	1	3	9
North Carolina	401	566	-29.1	374	519	NM	9	NM	*	22	38
South Carolina	207	315	-34.4	185	295	--	--	NM	1	20	19
Virginia	907	2,232	-59.4	711	1,856	165	325	3	2	28	48
West Virginia	327	272	20.5	308	260	19	12	--	--	--	--
East South Central	913	1,079	-15.4	860	945	11	33	--	--	42	100
Alabama	225	306	-26.6	176	181	11	33	--	--	38	92
Kentucky	246	230	6.9	246	230	--	--	--	--	--	--
Mississippi	67	141	-52.7	65	137	--	--	--	--	2	4
Tennessee	375	402	-6.6	374	397	--	--	--	--	NM	5
West South Central	508	548	-7.2	256	326	212	169	NM	2	38	51
Arkansas	96	78	23.5	58	66	36	9	--	--	3	3
Louisiana	96	213	-54.8	49	165	33	31	--	--	14	17
Oklahoma	30	25	20.2	29	24	--	--	NM	*	NM	*
Texas	286	232	23.1	121	72	143	128	NM	2	21	31
Mountain	456	503	-9.3	408	465	45	34	NM	*	3	3
Arizona	99	121	-18.2	95	117	--	--	NM	*	3	3
Colorado	NM	50	--	NM	50	6	*	*	*	NM	*
Idaho	NM	*	--	NM	*	--	--	--	--	--	--
Montana	32	29	7.7	NM	1	31	28	--	--	--	--
Nevada	28	25	12.7	21	19	8	6	--	--	--	--
New Mexico	65	92	-29.9	65	92	--	--	NM	*	NM	*
Utah	79	81	-2.2	79	81	--	--	--	--	--	--
Wyoming	106	104	2.2	106	104	--	--	--	--	NM	*
Pacific Contiguous	142	172	-17.3	85	95	40	59	NM	1	16	17
California	84	115	-27.5	63	81	17	31	NM	1	NM	4
Oregon	12	6	110.6	12	6	--	--	--	--	1	*
Washington	46	51	-8.8	10	8	23	28	NM	1	12	13
Pacific Noncontiguous	13,489	13,957	-3.4	11,815	12,136	1,482	1,571	11	14	NM	235
Alaska	1,563	1,622	-3.7	1,479	1,535	--	--	7	10	76	77
Hawaii	11,926	12,335	-3.3	10,336	10,601	1,482	1,571	4	4	NM	158
U.S. Total	26,728	40,103	-33.4	20,469	30,806	5,521	8,278	109	164	629	855

* = Value is less than half of the 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: • 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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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

Table 2.7.A. Consumption of Petroleum Coke for Electricity Generation by State by Sector, December 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut.....	--	--	--	--	--	--	--	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	19	--	--	--	--	19	--	--	NM	--
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	--	19	--	--	--	--	19	--	--	--	--
Pennsylvania.....	NM	--	--	--	--	--	--	--	--	NM	--
East North Central	51	62	-19.1	9	19	36	37	--	--	6	6
Illinois.....	--	--	--	--	--	--	--	--	--	--	--
Indiana.....	--	--	--	--	--	--	--	--	--	--	--
Michigan.....	NM	4	--	NM	--	3	3	--	--	NM	1
Ohio.....	33	36	-6.2	--	--	33	35	--	--	NM	1
Wisconsin.....	12	23	-47.1	8	19	--	--	--	--	4	4
West North Central	*	4	--	*	4	--	--	*	*	--	--
Iowa.....	*	3	--	*	2	--	--	*	*	--	--
Kansas.....	--	2	--	--	2	--	--	--	--	--	--
Minnesota.....	--	--	--	--	--	--	--	--	--	--	--
Missouri.....	--	--	--	--	--	--	--	--	--	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	69	113	-38.9	65	107	--	--	--	--	5	7
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	65	107	-39.6	65	107	--	--	--	--	--	--
Georgia.....	5	7	-29.1	--	--	--	--	--	--	5	7
Maryland.....	--	--	--	--	--	--	--	--	--	--	--
North Carolina.....	--	--	--	--	--	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	--	--	--	--	--
Virginia.....	--	--	--	--	--	--	--	--	--	--	--
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--
East South Central	29	68	-57.9	29	68	--	--	--	--	--	--
Alabama.....	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	29	68	-57.9	29	68	--	--	--	--	--	--
Mississippi.....	--	--	--	--	--	--	--	--	--	--	--
Tennessee.....	--	--	--	--	--	--	--	--	--	--	--
West South Central	143	93	54.2	132	77	--	4	--	--	11	12
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	140	86	62.4	132	77	--	--	--	--	NM	9
Oklahoma.....	NM	*	--	--	--	--	--	--	--	NM	*
Texas.....	3	7	-51.6	--	--	--	4	--	--	3	3
Mountain	17	16	5.1	--	--	17	16	--	--	--	--
Arizona.....	--	--	--	--	--	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	17	16	5.1	--	--	17	16	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	22	32	-30.5	--	--	22	32	--	--	--	--
California.....	22	32	-30.5	--	--	22	32	--	--	--	--
Oregon.....	--	--	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	331	408	-18.9	234	274	75	108	*	*	22	25

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

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

Notes: • 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. See the technical notes (Appendix C) for further information. • Values for 2010 are final. Values for 2011 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	89	187	-52.5	--	--	85	183	--	--	NM	4
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	85	183	-53.5	--	--	85	183	--	--	--	--
Pennsylvania	NM	4	--	--	--	--	--	--	--	NM	4
East North Central	668	704	-5.1	161	208	435	420	--	--	72	76
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	57	60	-5.0	NM	9	31	33	--	--	17	18
Ohio	415	398	4.1	--	--	403	386	--	--	11	12
Wisconsin	196	245	-20.1	152	199	--	--	--	--	44	46
West North Central	42	72	-42.1	41	70	--	--	1	2	--	--
Iowa	28	28	.2	28	27	--	--	1	2	--	--
Kansas	13	40	-66.8	13	40	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	4	--	--	4	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	766	1,213	-36.9	695	1,132	--	--	--	--	71	81
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	695	1,123	-38.1	695	1,123	--	--	--	--	--	--
Georgia	71	81	-12.7	--	--	--	--	--	--	71	81
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	9	--	--	9	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	608	830	-26.7	608	830	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	608	830	-26.7	608	830	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,861	1,426	30.6	1,667	1,085	63	189	--	--	132	152
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,756	1,186	48.0	1,667	1,085	--	--	--	--	89	101
Oklahoma	NM	1	--	--	--	--	--	--	--	NM	1
Texas	104	238	-56.2	--	--	63	189	--	--	41	50
Mountain	168	150	12.2	--	--	168	150	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	168	150	12.2	--	--	168	150	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	359	413	-13.0	--	--	359	413	--	--	--	--
California	359	413	-13.0	--	--	359	413	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	4,561	4,994	-8.7	3,172	3,325	1,110	1,354	1	2	279	313

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

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

Table 2.8.A. Consumption of Natural Gas for Electricity Generation by State by Sector, December 2011 and 2010
(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	35,713	35,357	1.0	NM	325	33,387	32,700	410	472	1,805	1,859
Connecticut	9,204	6,729	36.8	NM	58	8,935	6,455	NM	44	163	173
Maine	4,985	5,083	-1.9	--	--	3,432	3,489	NM	1	1,553	1,594
Massachusetts	12,007	14,362	-16.4	46	161	11,560	13,752	322	370	79	79
New Hampshire	4,475	4,263	5.0	1	102	4,465	4,147	--	--	NM	14
Rhode Island	5,037	4,914	2.5	--	--	4,995	4,858	NM	57	--	--
Vermont	4	5	-28.5	4	5	--	--	--	--	--	--
Middle Atlantic	75,589	67,199	12.5	8,642	9,620	65,630	55,190	557	1,418	760	971
New Jersey	14,866	15,138	-1.8	--	--	14,493	14,623	NM	51	323	464
New York	32,391	29,591	9.5	8,627	9,607	23,144	18,511	465	1,317	155	156
Pennsylvania	28,331	22,469	26.1	NM	13	27,993	22,056	NM	50	281	350
East North Central	35,180	28,822	22.1	12,066	9,249	21,953	18,237	510	581	652	755
Illinois	2,197	2,817	-22.0	NM	71	1,517	2,190	334	383	146	173
Indiana	9,325	7,527	23.9	7,229	5,231	1,771	1,910	NM	34	307	352
Michigan	9,297	9,259	.4	333	534	8,707	8,434	122	143	136	148
Ohio	9,795	7,247	35.2	1,921	2,447	7,849	4,762	--	--	NM	38
Wisconsin	4,565	1,972	131.5	2,383	966	2,110	941	NM	21	37	44
West North Central	5,221	7,044	-25.9	4,694	6,513	320	407	165	51	42	73
Iowa	283	957	-70.4	275	952	--	*	NM	5	NM	1
Kansas	871	1,251	-30.4	871	1,251	--	--	--	--	NM	--
Minnesota	1,955	1,925	1.6	1,568	1,628	297	225	NM	44	29	28
Missouri	2,033	2,793	-27.2	1,909	2,608	NM	182	100	2	NM	2
Nebraska	59	109	-46.2	59	71	NM	*	NM	*	--	38
North Dakota	NM	4	--	*	*	--	--	--	--	NM	4
South Dakota	NM	3	--	NM	3	--	--	--	--	--	--
South Atlantic	125,158	120,595	3.8	98,301	93,327	24,949	26,179	13	11	1,895	1,077
Delaware	4,075	692	489.1	NM	7	3,709	685	--	--	337	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	75,169	76,458	-1.7	69,408	69,259	4,497	6,348	13	10	1,250	840
Georgia	14,717	14,483	1.6	7,280	5,967	7,243	8,389	--	--	195	127
Maryland	926	1,170	-20.8	--	--	900	1,150	--	*	NM	20
North Carolina	8,530	6,049	41.0	6,984	4,633	1,520	1,380	*	*	26	37
South Carolina	7,689	8,180	-6.0	7,206	7,164	477	1,010	NM	*	6	5
Virginia	13,993	13,356	4.8	7,378	6,184	6,564	7,129	--	--	50	44
West Virginia	58	206	-71.7	16	114	39	88	--	--	NM	5
East South Central	54,351	56,651	-4.1	24,837	31,602	28,374	23,793	NM	127	1,085	1,129
Alabama	32,280	28,957	11.5	9,196	9,876	22,335	18,407	--	--	749	674
Kentucky	633	2,891	-78.1	487	2,511	11	141	--	--	135	239
Mississippi	19,194	20,268	-5.3	12,977	14,859	6,028	5,245	NM	10	179	155
Tennessee	2,244	4,536	-50.5	2,178	4,357	--	--	NM	117	22	61
West South Central	174,616	151,777	15.0	46,927	49,655	89,173	65,849	229	296	38,288	35,977
Arkansas	5,519	6,171	-10.6	1,117	999	4,274	5,048	NM	1	128	123
Louisiana	32,434	33,833	-4.1	11,061	12,527	4,065	5,026	NM	21	17,284	16,258
Oklahoma	17,407	21,025	-17.2	13,220	17,942	4,115	3,023	NM	5	59	55
Texas	119,256	90,749	31.4	21,530	18,187	76,719	52,753	191	269	20,817	19,541
Mountain	44,239	42,401	4.3	26,936	23,985	16,532	17,741	NM	144	593	531
Arizona	9,570	12,961	-26.2	4,901	5,064	4,614	7,862	NM	33	NM	3
Colorado	8,059	6,675	20.7	3,930	3,005	4,112	3,657	*	--	NM	13
Idaho	1,517	908	67.1	NM	105	1,325	760	--	--	27	43
Montana	NM	399	--	NM	396	NM	*	--	--	NM	2
Nevada	13,801	11,436	20.7	10,038	8,399	3,560	2,881	NM	39	NM	116
New Mexico	6,915	5,978	15.7	4,457	3,654	2,384	2,252	NM	72	NM	*
Utah	4,104	3,739	9.8	3,429	3,313	526	322	NM	*	150	104
Wyoming	260	305	-14.8	NM	48	NM	7	--	--	243	249
Pacific Contiguous	85,345	77,101	10.7	31,939	26,305	45,804	43,525	1,318	1,265	6,284	6,007
California	67,232	62,874	6.9	22,246	19,120	37,460	36,578	1,312	1,261	6,214	5,915
Oregon	11,514	10,189	13.0	4,285	3,675	7,188	6,455	--	--	42	59
Washington	6,599	4,038	63.4	5,408	3,510	1,157	491	NM	4	28	33
Pacific Noncontiguous	3,736	3,717	.5	3,652	3,628	--	--	NM	--	NM	88
Alaska	3,736	3,717	.5	3,652	3,628	--	--	NM	--	NM	88
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	639,148	590,663	8.2	258,104	254,209	326,123	283,622	3,434	4,364	51,486	48,467

* = Value is less than half of the 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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Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2.8.B. Consumption of Natural Gas for Electricity Generation by State by Sector, Year-to-Date through December 2011 and 2010
(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	463,252	431,768	7.3	4,255	7,843	434,026	397,817	4,822	4,978	20,149	21,131
Connecticut	109,796	86,600	26.8	NM	664	106,588	83,250	535	569	1,970	2,118
Maine	50,532	58,295	-13.3	--	--	33,550	40,392	NM	9	16,972	17,894
Massachusetts	191,157	190,103	.6	2,456	4,832	183,893	180,408	3,716	3,869	1,093	995
New Hampshire	46,886	39,061	20.0	1,046	2,292	45,725	36,645	--	--	115	125
Rhode Island	64,832	57,653	12.5	--	--	64,270	57,122	561	531	--	--
Vermont	49	55	-10.8	49	55	--	--	--	--	--	--
Middle Atlantic	923,619	854,364	8.1	126,470	134,274	782,353	703,649	5,772	6,516	9,024	9,925
New Jersey	190,328	190,734	-.2	--	--	185,986	185,671	589	626	3,753	4,436
New York	425,087	417,237	1.9	126,312	134,141	292,375	275,831	4,650	5,358	1,750	1,906
Pennsylvania	308,204	246,394	25.1	NM	134	303,992	242,146	533	531	3,520	3,583
East North Central	366,297	300,071	22.1	120,692	92,435	233,408	194,549	4,757	4,654	7,440	8,432
Illinois	50,215	48,315	3.9	5,994	5,698	38,743	36,778	3,586	3,452	1,892	2,388
Indiana	79,684	55,813	42.8	55,526	31,497	20,508	20,445	228	232	3,422	3,639
Michigan	97,924	96,703	1.3	12,047	14,289	84,030	80,366	548	525	1,300	1,523
Ohio	90,471	56,468	60.2	23,329	14,775	66,810	41,366	--	--	332	327
Wisconsin	48,003	42,772	12.2	23,797	26,176	23,317	15,595	395	446	494	556
West North Central	116,003	122,571	-5.4	102,282	106,409	11,910	14,640	1,265	841	547	681
Iowa	10,527	12,666	-16.9	10,352	12,559	NM	*	45	50	NM	56
Kansas	32,052	27,907	14.8	32,052	27,907	--	--	--	--	NM	--
Minnesota	27,921	36,466	-23.4	21,673	27,962	5,401	7,540	505	631	343	333
Missouri	39,319	39,700	-1.0	32,086	32,431	6,507	7,099	714	158	NM	11
Nebraska	4,628	4,157	11.3	4,626	3,947	NM	1	NM	1	--	208
North Dakota	87	75	15.6	NM	2	--	--	--	--	62	73
South Dakota	1,470	1,600	-8.1	1,470	1,600	--	--	--	--	--	--
South Atlantic	1,648,179	1,519,685	8.5	1,292,803	1,187,662	338,277	318,969	177	148	16,921	12,905
Delaware	41,934	24,313	72.5	NM	287	39,178	24,026	--	--	2,424	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,052,351	990,000	6.3	959,496	894,970	81,119	84,644	162	137	11,574	10,249
Georgia	197,457	176,311	12.0	96,881	82,096	98,927	92,715	--	--	1,649	1,500
Maryland	21,840	28,630	-23.7	--	--	21,518	28,311	NM	*	319	319
North Carolina	90,001	73,376	22.7	71,125	57,359	18,419	15,713	5	8	452	296
South Carolina	99,057	86,641	14.3	86,840	71,305	12,137	15,275	NM	4	73	58
Virginia	142,917	138,898	2.9	77,730	81,033	64,799	57,417	--	--	388	448
West Virginia	2,623	1,515	73.1	398	613	2,181	867	--	--	44	34
East South Central	642,862	569,756	12.8	332,056	314,832	298,012	243,415	672	656	12,123	10,854
Alabama	353,020	288,727	22.3	107,383	101,433	237,353	180,123	--	--	8,284	7,170
Kentucky	16,742	20,930	-20.0	13,920	17,547	1,269	1,737	--	--	1,553	1,646
Mississippi	245,854	237,195	3.7	184,438	173,695	59,390	61,555	113	109	1,912	1,836
Tennessee	27,246	22,904	19.0	26,314	22,156	--	--	558	547	373	201
West South Central	2,393,138	2,259,751	5.9	786,513	747,583	1,181,272	1,094,944	3,322	3,828	422,031	413,396
Arkansas	95,628	92,634	3.2	23,087	20,120	71,323	71,221	NM	9	1,208	1,284
Louisiana	460,326	436,612	5.4	224,945	197,299	50,037	55,858	263	263	185,080	183,192
Oklahoma	277,871	289,474	-4.0	214,335	224,873	62,770	63,882	177	156	589	564
Texas	1,559,313	1,441,031	8.2	324,145	305,291	997,143	903,984	2,871	3,400	235,154	228,356
Mountain	555,452	627,378	-11.5	320,013	321,258	227,694	298,503	1,967	2,040	5,778	5,577
Arizona	183,518	224,756	-18.3	80,881	79,553	102,033	144,599	580	574	NM	29
Colorado	84,178	91,311	-7.8	41,177	31,811	42,801	59,300	28	23	NM	177
Idaho	8,436	12,323	-31.5	1,810	1,782	6,161	10,205	--	--	466	336
Montana	NM	727	--	NM	518	NM	186	--	--	NM	22
Nevada	161,933	174,950	-7.4	114,095	118,502	45,673	54,103	567	593	1,598	1,752
New Mexico	72,761	71,063	2.4	46,113	45,537	25,846	24,675	791	848	NM	3
Utah	41,592	49,414	-15.8	35,335	43,000	4,912	5,399	NM	1	1,345	1,014
Wyoming	2,652	2,835	-6.4	NM	556	NM	36	--	--	2,157	2,243
Pacific Contiguous	731,896	954,165	-23.3	254,062	338,965	393,387	527,937	15,013	15,797	69,433	71,466
California	635,883	771,226	-17.5	205,548	240,026	346,632	444,805	14,953	15,727	68,749	70,668
Oregon	59,679	108,444	-45.0	19,864	42,119	39,423	65,750	--	--	391	575
Washington	36,333	74,496	-51.2	28,650	56,820	7,322	17,382	59	70	293	223
Pacific Noncontiguous	39,784	40,677	-2.2	39,077	39,732	--	--	NM	4	700	941
Alaska	39,784	40,677	-2.2	39,077	39,732	--	--	NM	4	700	941
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	7,880,481	7,680,185	2.6	3,378,222	3,290,993	3,900,340	3,794,423	37,773	39,462	564,146	555,307

* = Value is less than half of the 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: • 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. See the technical notes (Appendix C) for further information. • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary estimates based on a sample. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding. • Natural gas, including a small amount of supplemental gaseous fuels.

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

Chapter 3. Fossil-Fuel Stocks for Electricity Generation

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 1997 through December 2011

Period	Electric Power Sector			Electric Utilities			Independent Power Producers		
	Coal (Thousand Tons) ¹	Petroleum Liquids (Thousand Barrels) ²	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons) ¹	Petroleum Liquids (Thousand Barrels) ²	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
1997	98,826	48,792	469	98,826	48,792	469	--	--	--
1998	120,501	53,794	559	120,501	53,794	559	--	--	--
1999	141,604	52,251	372	129,041	44,392	355	12,563	7,859	16
2000	102,296	39,875	211	90,115	29,570	186	12,180	10,306	25
2001	138,496	55,080	390	117,147	35,807	300	21,349	19,273	90
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									
January	156,075	40,444	746	124,894	26,312	680	31,181	14,132	67
February	160,601	40,980	738	127,496	26,354	679	33,105	14,626	59
March	174,223	40,969	715	137,848	26,209	666	36,375	14,760	49
April	185,790	41,073	705	148,301	26,082	659	37,489	14,991	46
May	195,103	41,175	779	155,777	26,293	747	39,327	14,882	32
June	195,656	41,231	763	156,539	26,354	716	39,117	14,876	48
July	193,563	40,957	729	155,786	26,338	645	37,777	14,619	84
August	191,532	40,399	876	155,085	26,183	751	36,446	14,216	125
September	197,208	39,909	963	159,420	25,712	828	37,789	14,196	135
October	199,477	39,248	1,152	162,582	25,184	953	36,895	14,064	198
November	203,765	39,002	1,258	165,738	25,424	1,060	38,027	13,578	198
December	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010									
January	178,091	37,426	1,406	146,174	24,732	1,178	31,917	12,693	228
February	171,026	38,163	1,280	140,533	25,561	1,045	30,493	12,602	235
March	177,742	38,137	1,240	145,182	25,578	983	32,559	12,558	258
April	189,260	37,875	1,243	152,253	25,360	1,022	37,007	12,516	221
May	191,669	37,355	1,188	153,295	25,019	986	38,374	12,336	202
June	181,490	36,623	1,117	146,130	24,305	943	35,359	12,318	174
July	169,504	35,627	1,046	138,240	23,858	907	31,265	11,769	139
August	159,987	35,317	1,112	131,072	23,887	976	28,915	11,430	136
September	163,776	36,208	1,158	133,943	24,857	1,017	29,833	11,350	141
October	175,686	36,857	1,197	143,363	25,309	1,006	32,323	11,548	191
November	183,389	36,926	1,098	149,066	25,660	894	34,323	11,266	204
December	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011									
January	164,840	35,117	801	134,008	24,560	657	30,832	10,557	144
February	161,439	34,664	707	131,081	24,370	594	30,358	10,294	113
March	166,737	34,329	489	134,394	24,265	437	32,344	10,064	53
April	173,999	33,941	522	139,965	24,082	463	34,033	9,859	59
May	174,619	33,877	548	139,331	24,104	490	35,288	9,773	58
June	165,707	35,699	491	132,882	25,872	433	32,825	9,827	58
July	147,967	35,202	462	119,631	25,544	411	28,336	9,658	50
August	139,225	34,968	435	112,793	25,294	379	26,432	9,674	56
September	144,438	34,938	389	117,648	25,232	333	26,790	9,706	57
October	156,906	35,537	413	127,522	25,639	347	29,384	9,898	66
November	168,354	35,657	453	136,123	25,839	391	32,231	9,818	62
December	175,100	35,260	470	141,244	25,646	404	33,856	9,614	66

¹ Anthracite, bituminous, subbituminous, coal synfuel, and lignite; excludes waste coal.

² Distillate fuel oil, residual fuel oil, jet fuel, and kerosene. Data prior to 2004 includes small quantities of waste oil.

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

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Percent Change
New England	1,449	873	66.0	2,901	3,491	-16.9	--	--	--
Connecticut, Maine, New Hampshire, Rhode Island, Vermont ¹	741	448	65.2	1,741	1,948	-10.6	--	--	--
Massachusetts.....	708	425	66.8	1,160	1,543	-24.8	--	--	--
Middle Atlantic	7,774	6,833	13.8	6,409	7,560	-15.2	W	W	W
New Jersey.....	871	460	89.3	1,097	1,421	-22.8	--	--	--
New York.....	879	473	85.7	4,106	4,790	-14.3	--	W	W
Pennsylvania.....	6,024	5,900	2.1	1,207	1,350	-10.6	W	W	W
East North Central	37,566	41,068	-8.5	1,734	2,013	-13.9	W	61	W
Illinois.....	8,990	7,865	14.3	141	160	-11.8	--	--	--
Indiana.....	9,100	10,535	-13.6	127	122	3.7	--	--	--
Michigan.....	6,610	6,852	-3.5	771	1,016	-24.1	W	W	W
Ohio.....	7,535	9,127	-17.4	427	407	4.9	--	--	--
Wisconsin.....	5,330	6,690	-20.3	269	308	-12.8	W	W	W
West North Central	28,514	28,034	1.7	1,317	1,469	-10.3	W	W	W
Iowa.....	7,136	6,150	16.0	165	178	-7.1	W	W	W
Kansas.....	3,669	3,639	.8	287	372	-22.9	--	W	W
Minnesota.....	3,257	2,659	22.5	209	239	-12.7	--	--	--
Missouri.....	8,162	9,342	-12.6	313	320	-2.3	--	--	--
Nebraska.....	3,789	4,114	-7.9	207	221	-6.6	--	--	--
North Dakota, South Dakota ¹	2,501	2,131	17.4	138	139	-1.0	--	--	--
South Atlantic	36,865	32,123	14.8	14,285	11,549	23.7	W	W	W
Delaware, District of Columbia, Maryland ¹	1,985	1,924	3.2	1,280	1,440	-11.1	--	--	--
Florida.....	6,405	6,126	4.5	7,791	5,494	41.8	W	W	W
Georgia.....	7,885	5,959	32.3	899	854	5.4	--	--	--
North Carolina.....	6,596	3,882	69.9	1,043	966	8.0	--	--	--
South Carolina.....	6,545	6,401	2.3	594	611	-2.7	W	W	W
Virginia.....	2,465	1,564	57.6	2,532	2,041	24.0	--	--	--
West Virginia.....	4,984	6,266	-20.5	146	144	.9	W	W	W
East South Central	17,307	19,233	-10.0	2,084	2,319	-10.2	W	W	W
Alabama.....	4,560	5,574	-18.2	318	315	.8	--	--	--
Kentucky.....	7,419	8,546	-13.2	280	273	2.7	W	W	W
Mississippi.....	1,448	1,376	5.3	564	775	-27.2	--	--	--
Tennessee.....	3,879	3,737	3.8	922	956	-3.6	--	--	--
West South Central	24,432	28,070	-13.0	2,611	3,427	-23.8	W	W	W
Arkansas.....	3,590	3,445	4.2	157	184	-14.4	--	--	--
Louisiana.....	2,331	1,909	22.1	609	1,212	-49.8	W	W	W
Oklahoma.....	3,872	5,707	-32.1	195	224	-12.7	--	--	--
Texas.....	14,639	17,009	-13.9	1,649	1,808	-8.8	--	W	W
Mountain	19,313	17,620	9.6	691	694	-4	W	W	W
Arizona.....	2,750	3,047	-9.7	229	235	-2.6	--	--	--
Colorado.....	4,398	3,419	28.6	148	130	13.7	--	--	--
Idaho.....	--	--	--	W	W	W	--	--	--
Montana, New Mexico ¹	W	1,663	W	49	65	-24.5	W	W	W
Nevada.....	W	1,137	W	181	181	.3	--	--	--
Utah.....	4,928	4,866	1.3	45	W	W	--	--	--
Wyoming.....	3,926	3,487	12.6	W	42	W	--	--	--
Pacific ²	W	W	W	3,228	3,182	1.4	W	5	W
California, Oregon, Washington, Hawaii, Alaska ¹	W	W	W	3,228	3,182	1.4	W	5	W
U.S. Total	175,100	174,917	.1	35,260	35,706	-1.2	470	1,019	-53.9

¹ States' data are aggregated in order to protect confidentiality.

² Pacific Contiguous and Pacific Non-Contiguous were aggregated to Pacific to protect Census Division proprietary information.

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

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

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010
Coal (thousand tons)							
New England.....	1,449	873	66.0	W	W	W	W
Middle Atlantic	7,774	6,833	13.8	W	W	W	W
East North Central.....	37,566	41,068	-8.5	27,598	32,160	9,968	8,908
West North Central.....	28,514	28,034	1.7	28,514	28,034	--	--
South Atlantic.....	36,865	32,123	14.8	33,032	28,489	3,833	3,634
East South Central.....	17,307	19,233	-10.0	17,307	19,233	--	--
West South Central.....	24,432	28,070	-13.0	15,125	16,856	9,307	11,215
Mountain	19,313	17,620	9.6	18,129	16,842	1,184	778
Pacific Contiguous.....	W	W	W	W	W	W	W
Pacific Noncontiguous.....	W	W	W	W	W	W	W
U.S. Total	175,100	174,917	.1	141,244	143,744	33,856	31,173
Petroleum Liquids (thousand barrels)							
New England.....	2,901	3,491	-16.9	703	870	2,198	2,622
Middle Atlantic	6,409	7,560	-15.2	2,638	3,217	3,772	4,344
East North Central.....	1,734	2,013	-13.9	1,456	1,691	278	322
West North Central.....	1,317	1,469	-10.3	1,281	1,429	37	40
South Atlantic.....	14,285	11,549	23.7	11,893	8,996	2,392	2,553
East South Central.....	2,084	2,319	-10.2	W	W	W	W
West South Central.....	2,611	3,427	-23.8	1,914	2,772	697	655
Mountain	691	694	-.4	621	628	70	66
Pacific Contiguous	432	547	-21.1	W	W	W	W
Pacific Noncontiguous.....	2,796	2,635	6.1	W	W	W	W
U.S. Total	35,260	35,706	-1.2	25,646	24,798	9,614	10,908
Petroleum Coke (thousand tons)							
New England.....	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
East North Central.....	W	61	W	W	W	W	W
West North Central.....	W	W	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	470	1,019	-53.9	404	850	66	168

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. - See Technical Notes for a discussion of the sample design for the Form EIA-923. • Totals may not equal sum of components because of independent rounding. • Percentage difference is calculated before rounding.

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

Table 3.4. Stocks of Coal by Coal Rank, 1997 through December 2011

Period	Electric Power Sector (Thousand Tons)			Total
	Bituminous Coal ¹	Sub-Bituminous Coal	Lignite Coal	
1997	NA	NA	NA	98,826
1998	NA	NA	NA	120,501
1999	NA	NA	NA	141,604
2000	NA	NA	NA	102,296
2001	NA	NA	NA	138,496
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				
January	62,096	89,016	4,963	156,075
February	65,290	90,218	5,092	160,601
March	76,214	92,447	5,562	174,223
April	83,917	96,067	5,806	185,790
May	89,418	99,637	6,048	195,103
June	90,862	98,761	6,033	195,656
July	89,578	97,889	6,096	193,563
August	89,181	96,568	5,783	191,532
September	93,208	98,206	5,794	197,208
October	95,788	98,254	5,434	199,477
November	98,281	100,194	5,290	203,765
December	91,922	92,448	5,097	189,467
2010				
January	86,354	86,893	4,845	178,091
February	82,469	83,721	4,836	171,026
March	86,698	86,014	5,030	177,742
April	92,621	89,545	7,095	189,260
May	93,069	91,514	7,085	191,669
June	87,123	87,299	7,068	181,490
July	80,465	81,933	7,107	169,504
August	76,303	77,081	6,604	159,987
September	78,201	78,906	6,669	163,776
October	84,103	84,992	6,592	175,686
November	87,548	88,880	6,961	183,389
December	81,108	86,915	6,894	174,917
2011				
January	76,283	82,187	6,370	164,840
February	75,717	79,301	6,422	161,439
March	77,599	82,627	6,512	166,737
April	79,922	87,290	6,787	173,999
May	79,272	88,600	6,746	174,619
June	75,013	84,127	6,567	165,707
July	66,554	75,142	6,271	147,967
August	64,562	68,447	6,215	139,225
September	66,674	71,576	6,187	144,438
October	74,046	76,650	6,210	156,906
November	79,578	82,038	6,738	168,354
December	82,272	86,092	6,736	175,100

¹ Includes bituminous, anthracite, and coal synfuel.
NA = Not available.

Notes: • See Glossary for definitions. • Data excludes all waste coal. • Values for 2010 and prior years are final. Values for 2011 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."

Chapter 4. Receipts and Cost of Fossil Fuels

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 1997 through December 2011

Period	Coal ¹						Petroleum Liquids ²					
	Receipts		Average Cost		Avg. Sulfur %	Percentage of Consumption ³	Receipts		Average Cost		Avg. Sulfur %	Percentage of Consumption ³
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)			(billion Btu)	(1000 barrels)	(dollars/10 ⁶ Btu)	(dollars/barrel)		
1997	18,095,870	880,588	1.27	26.16	1.1	NA	748,634	117,789	2.88	18.30	1.1	NA
1998	19,036,478	929,448	1.25	25.64	1.1	NA	1,048,098	165,191	2.14	13.55	1.1	NA
1999	18,460,617	908,232	1.22	24.72	1.0	NA	833,706	131,407	2.53	16.03	1.1	NA
2000	15,987,811	790,274	1.20	24.28	.9	NA	633,609	99,855	4.45	28.24	1.0	NA
2001	15,285,607	762,815	1.23	24.68	.9	NA	726,135	114,523	3.92	24.86	1.1	NA
2002	17,981,987	884,287	1.25	25.52	.9	88.0	623,354	98,581	3.87	24.45	.9	67.2
2003 ⁴	19,989,772	986,026	1.28	26.00	1.0	95.6	980,983	156,338	4.94	31.02	.8	82.6
2004	20,188,633	1,002,032	1.36	27.42	1.0	95.9	958,046	151,821	5.00	31.58	.9	81.7
2005	20,647,307	1,021,437	1.54	31.20	1.0	95.9	986,258	157,221	7.59	47.61	.8	84.7
2006	21,735,101	1,079,943	1.69	34.09	1.0	102.5	406,869	65,002	8.68	54.35	.7	74.0
2007	21,152,358	1,054,664	1.77	35.48	1.0	98.6	375,260	60,068	9.59	59.93	.7	62.6
2008	21,280,258	1,069,709	2.07	41.14	1.0	100.5	375,684	61,139	15.52	95.38	.6	99.6
2009												
January	1,720,121	87,453	2.23	43.82	1.0	94.4	60,313	9,824	8.12	49.85	.6	103.5
February	1,625,951	81,869	2.27	45.04	1.0	107.7	36,212	5,925	8.08	49.36	.5	126.1
March	1,730,816	86,241	2.29	45.91	1.1	116.8	27,714	4,579	8.27	50.07	.5	107.2
April	1,611,589	80,674	2.22	44.33	1.0	117.4	20,270	3,367	9.12	54.93	.6	101.4
May	1,601,882	80,559	2.23	44.41	1.0	111.8	26,384	4,306	9.36	57.36	.6	99.6
June	1,610,705	81,077	2.22	44.01	1.0	100.5	27,740	4,532	10.58	64.74	.6	110.9
July	1,654,412	84,086	2.19	43.12	1.0	97.7	24,942	4,087	11.36	69.31	.5	98.5
August	1,730,279	87,237	2.21	43.81	1.0	98.6	27,505	4,496	12.17	74.47	.6	96.3
September	1,580,718	80,015	2.18	43.13	1.0	106.3	15,248	2,536	13.31	80.06	.4	77.1
October	1,551,796	78,556	2.17	42.88	1.0	102.9	18,956	3,119	12.86	78.17	.6	87.7
November	1,534,304	77,821	2.13	42.08	1.0	104.0	19,967	3,324	12.78	76.76	.4	122.5
December	1,485,395	75,890	2.14	41.97	1.0	84.1	24,793	4,087	13.22	80.22	.5	131.1
Total	19,437,966	981,477	2.21	43.74	1.0	102.8	330,043	54,181	10.25	62.47	.5	104.8
2010												
January	1,516,857	77,092	2.23	43.79	1.0	83.1	33,911	5,604	13.38	80.98	.5	90.5
February	1,454,951	73,655	2.27	44.80	1.1	89.8	18,686	3,101	13.60	81.93	.5	116.6
March	1,678,040	84,412	2.31	45.98	1.1	107.7	19,184	3,174	13.85	83.71	.4	126.3
April	1,569,056	78,733	2.29	45.71	1.1	113.8	12,112	2,039	14.82	88.02	.4	86.2
May	1,584,118	80,404	2.26	44.59	1.0	103.5	21,833	3,593	13.77	83.68	.6	102.4
June	1,556,526	79,414	2.25	44.05	1.0	89.2	25,290	4,149	13.30	81.08	.6	86.6
July	1,622,967	83,033	2.27	44.37	1.0	85.8	31,476	5,147	13.33	81.53	.5	91.6
August	1,757,445	88,879	2.30	45.43	1.1	92.0	28,352	4,619	13.29	81.55	.6	100.8
September	1,655,524	84,275	2.28	44.70	1.0	103.7	25,145	4,105	13.41	82.16	.6	130.0
October	1,689,804	85,931	2.27	44.57	1.1	118.4	17,375	2,892	14.93	89.71	.4	119.2
November	1,601,707	81,626	2.26	44.27	1.1	109.6	19,248	3,286	15.77	92.35	.4	135.1
December	1,602,665	82,464	2.23	43.34	1.0	91.0	22,447	3,764	16.45	98.12	.4	79.7
Total	19,289,661	979,918	2.27	44.64	1.0	97.9	275,058	45,472	14.02	84.80	.5	101.1
2011												
January	1,599,921	81,889	2.33	45.52	1.1	88.8	21,626	3,590	16.73	100.76	.7	99.7
February	1,450,687	73,674	2.36	46.42	1.1	97.8	15,232	2,550	18.12	108.23	.6	111.3
March	1,560,696	80,229	2.34	45.58	1.0	108.1	18,010	2,984	19.64	118.52	.6	124.7
April	1,450,913	74,238	2.39	46.66	1.1	108.2	17,260	2,856	20.37	123.10	.4	104.6
May	1,467,151	74,551	2.44	47.99	1.1	98.9	21,896	3,573	19.30	118.25	.8	142.1
June	1,487,118	75,686	2.42	47.45	1.1	88.1	18,586	3,096	20.83	125.01	.6	116.7
July	1,505,189	76,804	2.45	47.92	1.1	79.9	16,346	2,735	21.40	127.87	.5	86.8
August	1,663,089	84,453	2.48	48.74	1.1	89.9	14,038	2,338	20.80	124.91	.5	92.1
September	1,609,708	82,588	2.44	47.54	1.1	105.4	13,899	2,313	21.57	129.58	.6	106.6
October	1,605,757	82,272	2.39	46.66	1.2	115.4	18,627	3,089	21.01	126.71	.5	148.9
November	1,521,645	78,646	2.37	45.89	1.2	114.8	16,145	2,735	21.18	125.04	.5	137.2
December	1,549,964	80,550	2.35	45.16	1.2	107.4	14,695	2,481	21.72	128.65	.6	116.0
Total	18,471,837	945,581	2.40	46.79	1.2	99.0	206,361	34,342	20.10	120.75	.6	113.5
Year to Date												
2009	19,437,966	981,477	2.21	43.74	1.0	102.8	330,043	54,181	10.25	62.47	.5	104.8
2010	19,289,661	979,918	2.27	44.64	1.0	97.9	275,058	45,472	14.02	84.80	.5	101.1
2011	18,471,837	945,581	2.40	46.79	1.2	99.0	206,361	34,342	20.10	120.75	.6	113.5
Rolling 12 Months Ending in December												
2010	19,289,661	979,918	2.27	44.64	1.0	97.9	275,058	45,472	14.02	84.80	.5	101.1
2011	18,471,837	945,581	2.40	46.79	1.1	99.0	206,361	34,342	20.10	120.75	.6	113.5

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ The Percent of Consumption calculation can be affected by a variety of factors, some of which may include (for all fuels): combined heat and power plants are reporting fuel receipts related to non-electric generating activities; and (for coal and petroleum) plants may be adding receipts to their stockpiles or may be consuming fuel from existing stocks.

⁴ The years 2002 and beyond include data for electric utilities, independent power producers, and commercial and industrial combined heat and power producers. The years prior to 2002 include data for electric utilities only.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants Report;" 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), 1997 through December 2011 (Continued)

Period	Petroleum Coke					Natural Gas ¹					All Fossil Fuels
	Receipts		Average Cost		Avg. Sulfur %	Percentage of Consumption ²	Receipts		Average Cost	Percentage of Consumption ²	Average Cost
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)			(billion Btu)	(1000 Mcf)	(dollars/10 ⁶ Btu)		(dollars/10 ⁶ Btu)
1997	61,609	2,192	.91	25.64	4.9	NA	2,817,639	2,764,734	2.76	NA	1.52
1998	91,923	3,217	.71	20.36	5.0	NA	2,985,866	2,922,957	2.38	NA	1.44
1999	82,083	2,906	.65	18.47	5.3	NA	2,862,084	2,809,455	2.57	NA	1.44
2000	47,855	1,683	.58	16.62	5.1	NA	2,681,659	2,629,986	4.30	NA	1.74
2001	56,851	2,019	.78	22.07	5.1	NA	2,209,089	2,148,924	4.49	NA	1.73
2002	127,362	4,454	.78	22.32	5.0	60.6	5,749,844	5,607,737	3.56	80.3	1.86
2003 ³	165,378	5,846	.72	20.39	5.3	82.7	5,663,023	5,500,704	5.39	86.8	2.28
2004	196,606	6,967	.83	23.48	5.1	79.9	5,890,750	5,734,054	5.96	85.2	2.48
2005	211,776	7,502	1.11	31.35	5.2	82.3	6,356,868	6,181,717	8.21	88.1	3.25
2006	203,270	7,193	1.33	37.46	5.2	83.4	6,855,680	6,675,246	6.94	90.2	3.02
2007	161,091	5,656	1.51	43.02	5.1	77.5	7,396,233	7,200,316	7.11	90.4	3.23
2008	199,724	7,040	2.11	59.72	5.0	111.5	8,089,467	7,879,046	9.01	102.5	4.12
2009											
January	17,395	610	2.06	58.78	4.7	119.9	604,934	588,823	6.38	102.4	3.42
February	14,628	514	1.82	51.74	5.0	108.4	558,093	543,748	5.38	102.5	3.14
March	16,095	566	1.63	46.25	4.7	101.3	619,344	603,662	4.73	103.3	2.98
April	14,491	508	1.20	34.06	4.8	102.8	562,474	548,302	4.48	103.3	2.85
May	17,458	613	1.68	47.79	4.5	122.5	628,402	612,866	4.48	102.6	2.93
June	14,904	519	1.58	45.47	4.4	101.1	762,794	744,739	4.44	101.9	3.01
July	15,783	552	1.63	46.47	4.3	101.3	910,954	888,228	4.32	101.6	3.02
August	19,857	702	1.81	51.33	4.7	132.3	977,182	953,918	4.15	101.5	2.99
September	18,183	640	1.36	38.62	4.8	120.4	817,447	798,321	3.84	101.7	2.80
October	17,084	605	1.55	43.90	4.6	166.1	665,234	650,035	4.82	103.5	3.04
November	14,211	498	1.30	37.14	4.7	136.3	569,724	557,093	4.87	102.5	2.96
December	17,832	626	1.61	45.98	4.5	142.1	642,748	628,815	5.96	101.8	3.40
Total	197,921	6,954	1.61	45.89	4.6	119.3	8,319,329	8,118,550	4.74	102.3	3.04
2010											
January	15,526	545	1.72	48.97	4.7	103.8	674,318	659,430	6.71	102.5	3.74
February	9,904	347	1.80	51.44	4.6	70.0	591,685	578,727	6.07	102.3	3.45
March	13,712	482	2.09	59.50	4.6	92.3	574,306	561,969	5.29	102.8	3.16
April	14,428	506	2.18	62.25	5.0	110.5	581,459	568,443	4.71	102.2	3.01
May	12,976	455	2.22	63.33	4.8	91.2	677,034	662,077	4.79	102.3	3.12
June	14,387	506	2.15	61.02	5.0	86.3	827,276	809,085	5.12	101.6	3.34
July	16,160	573	2.42	68.18	4.7	93.5	1,033,717	1,011,011	5.18	101.4	3.51
August	17,868	629	2.65	75.40	4.8	123.3	1,083,879	1,060,006	4.92	101.3	3.39
September	15,268	536	2.67	76.05	4.8	112.7	822,221	803,862	4.45	101.6	3.10
October	15,041	526	2.43	69.44	4.7	116.1	693,955	678,492	4.30	102.5	2.94
November	10,931	391	2.22	62.07	5.0	94.4	613,152	600,163	4.35	102.5	2.94
December	13,307	467	2.57	73.40	5.0	93.5	694,392	679,805	5.43	102.2	3.32
Total	169,508	5,963	2.28	64.85	4.8	98.5	8,867,396	8,673,070	5.09	102.0	3.26
2011											
January	12,345	434	2.92	83.17	5.2	72.1	680,488	666,326	5.35	104.2	3.36
February	9,773	342	2.67	76.31	5.3	69.8	608,072	594,661	5.06	104.7	3.26
March	9,917	345	2.94	84.61	5.4	60.2	609,858	597,039	4.61	104.7	3.12
April	10,668	372	2.99	85.60	5.0	91.2	654,807	641,423	4.85	104.4	3.29
May	11,707	411	3.22	91.87	4.9	94.7	709,158	695,061	4.85	103.6	3.38
June	11,571	403	2.57	73.93	5.0	84.8	836,652	819,698	5.03	103.2	3.49
July	16,515	575	3.14	90.16	4.9	101.7	1,081,096	1,057,904	4.96	102.0	3.61
August	14,651	512	2.95	84.36	5.2	102.9	1,073,074	1,049,997	4.72	103.0	3.44
September	13,919	486	2.79	79.99	5.2	104.5	826,622	807,829	4.54	104.0	3.26
October	12,540	437	2.80	80.29	5.2	112.4	710,254	694,917	4.32	104.3	3.12
November	11,514	401	2.18	62.59	5.2	112.0	676,445	662,294	4.08	104.2	3.03
December	12,592	445	2.29	64.90	5.1	108.9	753,801	737,917	4.00	103.4	3.00
Total	147,713	5,163	2.80	80.14	5.1	91.1	9,220,328	9,025,066	4.71	103.7	3.29
Year to Date											
2009	197,921	6,954	1.61	45.89	4.6	119.3	8,319,329	8,118,550	4.74	102.3	3.04
2010	169,508	5,963	2.28	64.85	4.8	98.5	8,867,396	8,673,070	5.09	102.0	3.26
2011	147,713	5,163	2.80	80.14	5.1	91.1	9,220,328	9,025,066	4.71	103.7	3.29
Rolling 12 Months Ending in December											
2010	169,508	5,963	2.28	64.85	4.8	98.5	8,867,396	8,673,070	5.09	102.0	3.26
2011	147,713	5,163	2.80	80.14	5.1	91.1	9,220,328	9,025,066	4.71	103.7	3.29

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² The Percent of Consumption calculation can be affected by a variety of factors, some of which may include (for all fuels): combined heat and power plants are reporting fuel receipts related to non-electric generating activities; and (for coal and petroleum) plants may be adding receipts to their stockpiles or may be consuming fuel from existing stocks.

³ The years 2002 and beyond include data for electric utilities, independent power producers, and commercial and industrial combined heat and power producers. The years prior to 2002 include data for electric utilities only.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 1997 through December 2011

Period	Coal ¹					Petroleum Liquids ²				
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost		Avg. Sulfur %
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)		(billion Btu)	(1000 barrels)	(dollars/10 ⁶ Btu)	(dollars/barrel)	
1997	18,095,870	880,588	1.27	26.16	1.1	748,634	117,789	2.88	18.30	1.1
1998	19,036,478	929,448	1.25	25.64	1.1	1,048,098	165,191	2.14	13.55	1.1
1999	18,460,617	908,232	1.22	24.72	1.0	833,706	131,407	2.53	16.03	1.1
2000	15,987,811	790,274	1.20	24.28	.9	633,609	99,855	4.45	28.24	1.0
2001	15,285,607	762,815	1.23	24.68	.9	726,135	114,523	3.92	24.85	1.1
2002	13,967,326	687,747	1.22	24.74	.9	407,442	63,809	3.74	23.88	1.0
2003	15,292,394	746,594	1.26	25.82	.9	605,651	95,534	4.68	29.66	1.0
2004	15,440,681	758,557	1.34	27.30	.9	592,478	93,034	4.80	30.57	1.0
2005	15,836,924	775,890	1.53	31.22	.9	566,320	89,303	7.17	45.46	.9
2006	16,197,852	797,361	1.69	34.26	.9	269,033	42,415	8.33	52.80	.8
2007	15,561,395	767,377	1.78	36.06	.9	216,349	34,026	9.24	58.73	.8
2008	15,347,396	764,399	2.06	41.32	.9	240,937	38,891	15.83	98.09	.6
2009										
January	1,233,059	62,045	2.24	44.50	1.0	29,873	4,823	8.00	49.53	.6
February	1,166,501	58,135	2.29	45.89	1.0	16,831	2,735	8.22	50.60	.5
March	1,262,590	62,252	2.30	46.57	1.1	13,499	2,206	8.41	51.46	.5
April	1,214,078	60,233	2.24	45.13	1.0	13,236	2,163	8.91	54.54	.6
May	1,189,059	59,231	2.24	45.02	1.0	19,852	3,208	9.27	57.36	.6
June	1,216,354	60,505	2.23	44.93	1.0	19,564	3,162	10.43	64.56	.6
July	1,245,525	62,486	2.20	43.88	1.0	18,610	3,025	11.24	69.15	.5
August	1,295,386	64,546	2.23	44.77	1.0	19,224	3,117	12.09	74.55	.6
September	1,189,015	59,392	2.19	43.88	1.0	10,050	1,659	13.17	79.80	.4
October	1,172,832	58,614	2.19	43.72	1.0	13,372	2,181	12.78	78.32	.5
November	1,141,864	57,441	2.14	42.51	1.0	12,932	2,118	12.87	78.57	.4
December	1,075,756	54,372	2.15	42.48	1.0	15,554	2,561	13.33	80.95	.4
Total	14,402,019	719,253	2.22	44.47	1.0	202,598	32,959	10.44	64.18	.5
2010										
January	1,101,993	55,521	2.21	43.89	1.0	23,632	3,860	13.16	80.54	.5
February	1,073,034	53,695	2.26	45.26	1.1	13,223	2,179	13.59	82.50	.4
March	1,231,470	61,038	2.32	46.85	1.0	11,782	1,943	14.11	85.52	.3
April	1,168,587	57,821	2.30	46.45	1.1	8,388	1,398	14.96	89.76	.2
May	1,168,195	58,565	2.27	45.27	1.0	16,261	2,649	13.61	83.58	.6
June	1,169,040	58,803	2.24	44.62	1.0	18,097	2,937	13.16	81.08	.6
July	1,209,770	60,990	2.27	44.95	1.0	21,588	3,497	13.29	82.07	.5
August	1,294,681	64,603	2.30	46.16	1.0	20,667	3,331	13.08	81.14	.6
September	1,208,559	60,693	2.28	45.47	1.0	18,501	2,988	13.35	82.68	.6
October	1,235,011	61,883	2.29	45.68	1.0	11,210	1,858	14.98	90.39	.4
November	1,172,469	58,841	2.27	45.29	1.1	12,889	2,191	15.82	93.06	.4
December	1,194,186	60,641	2.23	43.90	1.0	13,552	2,267	16.79	100.36	.3
Total	14,226,995	713,094	2.27	45.33	1.0	189,790	31,099	13.94	85.07	.5
2011										
January	1,137,553	57,479	2.34	46.38	1.0	13,522	2,239	16.87	101.92	.5
February	1,040,760	52,278	2.36	46.97	1.1	9,657	1,609	18.31	109.89	.5
March	1,124,121	57,092	2.34	46.15	1.0	13,497	2,224	19.60	118.89	.5
April	1,046,605	52,928	2.40	47.36	1.0	11,494	1,889	20.37	123.95	.4
May	1,058,900	53,332	2.45	48.59	1.0	16,184	2,620	19.10	117.95	.7
June	1,084,836	54,550	2.40	47.66	1.1	13,097	2,165	21.04	127.28	.6
July	1,091,861	54,810	2.45	48.90	1.1	9,105	1,511	21.89	131.92	.5
August	1,194,057	59,731	2.49	49.86	1.1	9,170	1,512	22.80	138.23	.4
September	1,159,586	58,455	2.47	48.91	1.1	9,799	1,619	21.84	132.19	.5
October	1,147,391	57,939	2.42	47.91	1.2	12,447	2,066	21.63	130.32	.5
November	1,081,223	55,161	2.39	46.84	1.2	10,590	1,774	21.72	129.64	.5
December	1,122,579	57,654	2.37	46.14	1.1	9,224	1,558	21.89	129.60	.5
Total	13,289,473	671,409	2.41	47.65	1.2	137,787	22,786	20.41	123.39	.5
Year to Date										
2009	14,402,019	719,253	2.22	44.47	1.0	202,598	32,959	10.44	64.18	.5
2010	14,226,995	713,094	2.27	45.33	1.0	189,790	31,099	13.94	85.07	.5
2011	13,289,473	671,409	2.41	47.65	1.2	137,787	22,786	20.41	123.39	.5
Rolling 12 Months Ending in December										
2010	14,226,995	713,094	2.27	45.33	1.0	189,790	31,099	13.94	85.07	.5
2011	13,289,473	671,409	2.41	47.65	1.1	137,787	22,786	20.41	123.39	.5

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" Beginning with 2008 data, the U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," replaced the following: 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;" U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 1997 through December 2011 (Continued)

Period	Petroleum Coke					Natural Gas ¹			All Fossil Fuels ²
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost	Average Cost
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)		(billion Btu)	(1000 Mcf)	(dollars/10 ⁶ Btu)	(dollars/10 ⁶ Btu)
1997	61,609	2,192	.91	25.64	4.9	2,817,639	2,764,734	2.76	1.52
1998	91,923	3,217	.71	20.36	5.0	2,985,866	2,922,957	2.38	1.44
1999	82,083	2,906	.65	18.47	5.3	2,862,084	2,809,455	2.57	1.44
2000	47,855	1,683	.58	16.62	5.1	2,681,659	2,629,986	4.30	1.74
2001	56,851	2,019	.78	22.07	5.1	2,209,089	2,148,924	4.49	1.73
2002	75,711	2,677	.63	17.68	5.0	1,680,518	1,634,734	3.68	1.53
2003	89,618	3,165	.74	20.94	5.5	1,486,088	1,439,513	5.59	1.74
2004	107,985	3,817	.89	25.15	5.1	1,542,746	1,499,933	6.15	1.87
2005	102,450	3,632	1.29	36.31	5.2	1,835,221	1,780,721	8.32	2.38
2006	99,471	3,516	1.49	42.21	5.1	2,222,289	2,163,113	7.36	2.45
2007	84,812	2,964	1.73	49.57	5.1	2,378,104	2,315,637	7.47	2.61
2008	80,987	2,843	2.13	60.51	5.4	2,856,354	2,784,642	9.15	3.33
2009									
January	10,608	371	2.06	58.77	5.0	208,081	202,538	7.05	3.03
February	7,746	272	1.92	54.69	5.6	197,128	192,399	6.24	2.92
March	8,784	309	1.72	48.78	5.1	227,853	222,311	5.59	2.84
April	8,205	289	1.15	32.78	5.2	199,495	194,561	5.47	2.74
May	11,038	388	1.86	52.96	4.7	232,241	226,655	5.35	2.83
June	7,574	263	1.78	51.22	4.7	293,235	286,460	5.14	2.89
July	7,553	263	1.73	49.77	4.5	343,209	334,815	5.03	2.90
August	10,909	386	1.94	54.90	5.0	360,777	352,110	4.91	2.91
September	10,248	361	1.39	39.40	5.3	299,818	293,133	4.66	2.75
October	9,024	320	1.58	44.49	4.9	237,676	232,677	5.63	2.85
November	7,688	269	1.21	34.68	5.3	205,042	201,085	5.70	2.77
December	9,747	341	1.64	46.90	5.1	228,578	223,896	6.46	3.01
Total	109,126	3,833	1.68	47.84	5.0	3,033,133	2,962,640	5.50	2.87
2010									
January	9,040	317	1.76	50.18	5.4	254,841	249,848	6.93	3.26
February	5,337	188	1.96	55.49	5.1	217,554	213,267	6.39	3.06
March	8,021	284	2.24	63.36	5.0	214,554	210,587	5.72	2.91
April	9,899	347	2.30	65.45	5.0	218,064	213,690	5.20	2.82
May	7,673	269	2.32	66.03	5.0	270,661	265,218	5.20	2.94
June	8,998	317	2.22	63.05	5.3	324,142	317,528	5.42	3.05
July	9,979	354	2.50	70.63	4.7	399,566	391,191	5.47	3.19
August	11,742	410	2.69	76.96	4.9	421,843	413,154	5.24	3.14
September	10,150	355	2.71	77.34	4.9	315,571	308,882	4.81	2.93
October	8,639	301	2.51	72.03	4.9	269,281	263,756	4.77	2.82
November	5,740	208	2.28	62.94	5.2	226,257	222,019	4.73	2.79
December	7,933	277	2.75	78.60	5.0	263,628	258,780	5.64	2.97
Total	103,152	3,628	2.38	67.65	5.0	3,395,962	3,327,919	5.43	2.99
2011									
January	7,843	275	3.08	87.85	5.3	242,440	237,993	5.50	3.03
February	6,172	216	2.92	83.55	5.4	213,523	209,352	5.34	2.98
March	5,962	207	3.26	94.02	5.7	219,104	215,125	4.95	2.94
April	6,570	229	3.31	94.98	5.2	250,040	246,002	5.19	3.09
May	6,525	228	3.56	101.82	5.0	273,638	269,180	5.17	3.20
June	7,186	249	2.66	76.57	5.1	337,272	331,306	5.28	3.24
July	10,212	356	3.22	92.30	4.8	436,190	427,506	5.12	3.32
August	9,132	319	3.08	88.27	5.3	427,489	418,891	4.97	3.26
September	8,697	303	2.79	79.91	5.2	311,141	306,346	4.89	3.10
October	8,093	280	2.82	81.28	5.1	268,114	263,244	4.72	3.02
November	7,320	253	2.11	60.84	5.2	241,920	238,003	4.51	2.92
December	7,243	255	2.11	59.82	5.1	267,660	263,413	4.39	2.88
Total	90,955	3,171	2.91	83.38	5.2	3,488,532	3,426,360	5.01	3.09
Year to Date									
2009	109,126	3,833	1.68	47.84	5.0	3,033,133	2,962,640	5.50	2.87
2010	103,152	3,628	2.38	67.65	5.0	3,395,962	3,327,919	5.43	2.99
2011	90,955	3,171	2.91	83.38	5.2	3,488,532	3,426,360	5.01	3.09
Rolling 12 Months Ending in December									
2010	103,152	3,628	2.38	67.65	5.0	3,395,962	3,327,919	5.43	2.99
2011	90,955	3,171	2.91	83.38	5.2	3,488,532	3,426,360	5.01	3.09

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² Includes blast furnace gas and other gases in years prior to 2001.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" Beginning with 2008 data, the U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," replaced the following: 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;" U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 1997 through December 2011

Period	Coal ¹					Petroleum Liquids ²				
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost		Avg. Sulfur %
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)		(billion Btu)	(1000 barrels)	(dollars/10 ⁶ Btu)	(dollars/barrel)	
1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002	3,710,847	182,482	1.37	27.96	1.2	186,271	30,043	4.19	25.98	.6
2003 ³	4,365,996	223,984	1.34	26.20	1.2	347,546	56,138	5.41	33.50	.6
2004	4,410,775	227,700	1.41	27.27	1.1	337,011	54,152	5.35	33.31	.6
2005	4,459,333	229,071	1.56	30.39	1.1	381,871	61,753	8.30	51.34	.5
2006	5,204,402	266,856	1.69	33.04	1.1	117,524	19,236	9.65	58.98	.5
2007	5,275,454	273,216	1.71	33.11	1.1	125,025	20,486	10.49	64.01	.5
2008	5,395,142	281,258	2.03	38.98	1.0	82,124	13,657	16.30	98.03	.4
2009										
January	446,449	23,567	2.12	40.16	1.0	19,583	3,223	8.25	50.12	.4
February	417,710	21,834	2.15	41.04	1.0	11,257	1,851	7.77	47.23	.4
March	427,194	22,100	2.21	42.73	1.1	8,872	1,474	8.25	49.68	.4
April	358,734	18,683	2.09	40.17	1.1	2,928	505	10.48	60.72	.3
May	377,550	19,715	2.14	41.01	1.1	2,295	402	10.19	58.15	.3
June	355,973	18,831	2.09	39.47	1.1	3,082	527	11.54	67.43	.3
July	368,865	19,773	2.10	39.11	1.0	2,438	421	12.65	73.25	.3
August	393,511	20,796	2.08	39.31	1.1	3,716	629	13.25	78.32	.3
September	352,252	18,832	2.09	39.09	1.0	2,444	422	15.18	87.88	.3
October	341,134	18,223	2.06	38.52	1.0	2,450	423	13.94	80.80	.3
November	352,701	18,574	2.06	39.03	1.1	3,768	665	12.98	73.50	.3
December	371,008	19,758	2.07	38.92	1.1	5,196	866	13.41	80.51	.4
Total	4,563,080	240,687	2.11	39.94	1.1	68,030	11,408	10.02	59.76	.4
2010										
January	376,680	19,830	2.21	42.01	1.1	5,186	895	14.92	86.41	.3
February	343,015	18,198	2.21	41.75	1.0	2,397	416	14.78	85.23	.3
March	401,656	21,348	2.23	41.96	1.1	4,487	747	13.69	82.23	.5
April	359,489	19,062	2.23	41.96	1.1	2,017	354	15.12	86.17	.3
May	374,626	19,964	2.19	41.15	1.1	2,963	508	15.27	89.08	.4
June	342,601	18,471	2.19	40.68	1.1	4,357	738	14.22	83.97	.3
July	370,780	20,113	2.23	41.09	1.0	6,753	1,125	13.66	81.95	.4
August	414,300	21,970	2.23	42.11	1.1	4,622	777	14.55	86.52	.3
September	404,409	21,646	2.20	41.04	1.1	4,031	678	13.97	83.02	.3
October	412,301	22,106	2.15	40.10	1.1	3,720	626	15.45	91.85	.4
November	387,870	20,899	2.15	39.94	1.1	3,898	679	16.19	92.92	.4
December	368,173	19,977	2.18	40.13	1.0	5,167	876	16.62	97.98	.3
Total	4,555,898	243,585	2.20	41.15	1.1	49,598	8,420	14.80	87.19	.3
2011										
January	418,692	22,383	2.23	41.80	1.1	4,770	798	17.39	103.95	.6
February	371,407	19,633	2.29	43.38	1.2	3,198	544	18.54	109.08	.8
March	398,216	21,356	2.29	42.73	1.1	2,235	381	21.28	124.77	.6
April	365,593	19,513	2.30	43.18	1.1	3,345	566	21.41	126.62	.3
May	371,147	19,503	2.36	44.82	1.2	2,952	498	21.50	127.57	.6
June	361,607	19,273	2.40	44.98	1.2	3,441	585	20.82	122.46	.5
July	375,093	20,228	2.36	43.81	1.1	5,380	911	21.13	124.72	.4
August	424,393	22,677	2.36	44.16	1.2	2,884	493	16.58	97.03	.5
September	410,107	22,261	2.32	42.69	1.2	2,412	411	22.22	130.37	.6
October	419,814	22,538	2.26	42.07	1.3	3,976	655	20.15	122.35	.5
November	400,339	21,634	2.26	41.83	1.3	3,445	606	20.69	117.68	.4
December	385,614	20,939	2.22	40.86	1.3	3,461	586	22.32	131.80	.5
Total	4,702,024	251,937	2.30	42.99	1.3	41,499	7,033	20.25	119.48	.5
Year to Date										
2009	4,563,080	240,687	2.11	39.94	1.1	68,030	11,408	10.02	59.76	.4
2010	4,555,898	243,585	2.20	41.15	1.1	49,598	8,420	14.80	87.19	.3
2011	4,702,024	251,937	2.30	42.99	1.3	41,499	7,033	20.25	119.48	.5
Rolling 12 Months Ending in December										
2010	4,555,898	243,585	2.20	41.15	1.1	49,598	8,420	14.80	87.19	.4
2011	4,702,024	251,937	2.30	42.99	1.2	41,499	7,033	20.25	119.48	.5

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Prior to 2002, these data were not collected from Independent Power Producers.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 1997 through December 2011 (Continued)

Period	Petroleum Coke					Natural Gas ¹			All Fossil Fuels ²
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost	Average Cost
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)		(billion Btu)	(1000 Mcf)	(dollars/10 ⁶ Btu)		(dollars/10^{6} Btu)
1997	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002	47,805	1,639	1.03	29.98	4.9	3,198,108	3,126,308	3.55	2.42
2003 ³	59,377	2,086	.60	17.16	4.9	3,335,086	3,244,368	5.33	3.15
2004	73,745	2,609	.72	20.30	5.0	3,491,942	3,403,474	5.86	3.43
2005	92,706	3,277	.90	25.42	5.1	3,675,165	3,578,722	8.20	4.69
2006	85,924	3,031	1.07	30.34	5.1	3,742,865	3,647,102	6.66	3.82
2007	56,580	1,994	1.02	28.95	4.9	4,097,825	3,990,546	6.92	4.06
2008	79,122	2,788	1.47	41.85	4.6	4,061,830	3,956,155	8.93	5.07
2009									
January	3,025	105	1.57	45.18	3.9	297,293	289,321	6.01	3.78
February	3,999	140	1.39	39.94	4.2	273,521	266,236	4.93	3.31
March	4,037	141	1.18	33.71	4.3	294,042	286,461	4.19	3.07
April	3,311	114	1.05	30.45	3.8	270,846	263,955	3.92	2.90
May	3,671	128	1.13	32.50	4.1	304,347	296,712	4.00	2.98
June	4,314	150	1.15	33.16	3.5	371,888	362,969	4.02	3.10
July	5,369	188	1.39	39.58	3.9	461,124	449,506	3.86	3.09
August	5,154	181	1.55	44.13	4.1	506,176	494,315	3.69	3.02
September	4,221	148	1.17	33.45	3.8	410,838	401,063	3.39	2.82
October	4,873	172	1.43	40.59	4.0	324,805	317,184	4.42	3.24
November	3,050	106	1.20	34.73	3.3	266,906	260,688	4.37	3.10
December	4,596	160	1.41	40.51	3.4	305,787	299,310	5.84	3.83
Total	49,619	1,732	1.31	37.63	3.9	4,087,573	3,987,721	4.30	3.18
2010									
January	3,804	133	1.44	41.35	3.4	308,109	301,125	6.75	4.32
February	2,918	101	1.48	42.64	3.5	274,889	268,803	5.95	3.91
March	3,499	121	1.63	47.30	3.3	256,384	250,712	5.06	3.39
April	1,376	47	1.08	31.18	4.3	267,989	261,844	4.48	3.22
May	2,468	86	1.78	50.77	3.8	306,425	299,565	4.55	3.30
June	2,619	91	1.75	50.31	4.0	401,342	392,478	5.01	3.77
July	2,705	95	1.94	55.02	4.5	522,419	510,999	5.04	3.94
August	1,779	64	2.26	63.33	3.9	546,215	534,075	4.72	3.70
September	1,349	47	2.36	67.67	3.0	401,881	393,000	4.27	3.28
October	3,342	117	2.01	57.26	3.9	321,547	314,248	4.00	3.02
November	2,286	80	1.76	50.12	4.2	285,549	279,359	4.23	3.10
December	1,933	67	1.63	46.81	4.7	319,863	312,895	5.49	3.81
Total	30,079	1,050	1.74	49.80	3.8	4,212,611	4,119,103	4.94	3.57
2011									
January	1,463	51	1.79	51.52	4.2	319,075	312,262	5.54	3.75
February	1,357	47	1.53	44.11	4.3	289,373	282,841	5.03	3.56
March	1,490	51	1.70	49.17	3.7	279,499	273,528	4.54	3.28
April	1,955	68	1.87	53.87	3.9	295,782	289,214	4.71	3.47
May	2,823	99	2.24	63.84	4.4	321,800	315,028	4.69	3.51
June	1,823	63	1.60	45.97	4.2	390,133	381,919	4.92	3.78
July	2,183	76	1.96	56.70	4.3	528,025	516,435	4.91	3.95
August	2,027	70	1.71	49.18	4.5	523,849	512,572	4.55	3.61
September	1,687	58	1.83	52.80	4.4	399,972	390,567	4.37	3.38
October	1,613	56	1.79	51.75	4.9	332,097	324,520	4.10	3.16
November	1,453	50	1.35	38.85	5.2	318,812	311,476	3.89	3.06
December	1,766	62	1.48	41.72	4.7	365,902	357,323	3.82	3.09
Total	21,641	753	1.78	51.02	4.4	4,364,318	4,267,688	4.59	3.48
Year to Date									
2009	49,619	1,732	1.31	37.63	3.9	4,087,573	3,987,721	4.30	3.18
2010	30,079	1,050	1.74	49.80	3.8	4,212,611	4,119,103	4.94	3.57
2011	21,641	753	1.78	51.02	4.4	4,364,318	4,267,688	4.59	3.48
Rolling 12 Months Ending in December									
2010	30,079	1,050	1.74	49.80	3.8	4,212,611	4,119,103	4.94	3.57
2011	21,641	753	1.78	51.02	4.4	4,364,318	4,267,688	4.59	3.48

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² Includes blast furnace gas and other gases in years prior to 2001.

³ Prior to 2002, these data were not collected from Independent Power Producers.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 1997 through December 2011

Period	Coal					Petroleum Liquids ¹				
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost		Avg. Sulfur %
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)		(billion Btu)	(1000 barrels)	(dollars/10 ⁶ Btu)	(dollars/barrel)	
1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002	9,580	399	2.10	50.44	2.6	503	91	5.38	29.73	*
2003 ²	8,835	372	1.99	47.24	2.4	248	43	7.00	40.82	*
2004	10,682	451	2.08	49.32	2.5	3,066	527	6.19	35.96	.2
2005	11,081	464	2.57	61.21	2.4	1,684	289	8.28	48.22	.2
2006	12,207	518	2.63	61.95	2.5	798	137	13.50	78.70	.2
2007	12,419	531	2.67	62.46	2.6	249	43	14.04	81.93	.2
2008	43,997	2,009	2.65	58.12	1.7	3,800	633	17.84	107.10	.4
2009										
January	4,051	188	2.88	62.20	1.7	1,089	177	9.18	56.39	.6
February	3,768	174	2.94	63.75	1.9	796	128	7.89	48.95	.7
March	3,839	176	2.85	62.34	1.7	205	35	10.11	60.17	.4
April	3,177	145	2.83	61.89	1.7	147	25	11.29	66.12	.3
May	2,841	130	2.90	63.09	1.6	146	25	11.56	67.68	.3
June	3,275	146	2.90	64.90	1.7	174	30	13.14	77.04	.2
July	3,245	146	2.91	64.59	1.8	120	20	13.69	80.17	.3
August	3,453	155	2.96	65.73	1.5	159	27	14.43	84.56	.3
September	3,282	147	3.06	68.33	1.7	138	24	14.56	85.01	.2
October	3,075	140	2.95	65.07	1.6	175	30	14.65	86.15	.3
November	3,466	160	2.86	62.19	1.6	139	24	15.32	89.88	.2
December	3,711	170	2.80	61.15	1.6	227	38	15.04	89.12	.3
Total	41,182	1,876	2.90	63.68	1.7	3,517	583	10.82	65.26	.5
2010										
January	3,452	162	2.79	59.44	1.7	224	37	14.38	86.22	.4
February	3,364	156	2.87	61.93	1.7	178	30	14.42	86.02	.4
March	3,478	161	2.90	62.65	1.6	368	61	14.78	89.28	.5
April	2,983	137	2.80	61.12	1.4	91	16	17.13	99.62	.2
May	2,820	132	2.71	58.00	1.3	181	30	14.51	87.04	.5
June	2,874	132	2.99	65.29	1.9	181	30	14.57	87.38	.4
July	2,933	132	2.83	62.64	2.0	259	43	14.20	85.58	.3
August	3,381	157	2.79	60.14	1.8	142	24	14.71	88.85	.4
September	3,045	141	2.85	61.82	1.8	159	26	15.03	90.09	.3
October	2,864	133	2.82	60.52	1.6	254	43	16.34	97.50	.3
November	3,365	155	2.86	62.19	1.7	114	19	16.95	100.83	.3
December	3,217	151	2.69	57.30	1.9	242	41	17.22	102.47	.3
Total	37,778	1,747	2.83	61.06	1.7	2,395	400	15.23	91.25	.4
2011										
January	3,222	151	2.76	58.88	1.8	182	31	18.76	110.99	.6
February	3,208	150	2.84	60.83	1.7	163	28	20.20	118.50	.5
March	3,165	151	2.72	57.12	1.6	166	28	21.81	129.01	.5
April	2,485	119	2.73	57.18	1.8	144	24	21.89	131.54	.3
May	2,568	119	3.05	65.81	1.6	178	29	21.15	128.06	.7
June	3,110	142	3.21	70.15	1.7	162	27	22.04	130.88	.6
July	2,602	120	2.93	63.33	1.7	169	29	22.66	134.04	.5
August	2,709	124	3.05	66.80	1.8	150	26	21.10	124.09	.5
September	2,447	114	2.92	62.89	1.7	128	22	21.91	129.16	.5
October	2,601	127	2.68	54.78	1.5	153	26	21.73	128.74	.5
November	2,862	136	2.76	57.88	1.7	193	33	22.02	128.61	.5
December	3,018	143	2.80	59.16	1.7	140	24	22.54	131.81	.5
Total	33,996	1,595	2.87	61.14	1.8	1,927	326	21.44	126.87	.5
Year to Date										
2009	41,182	1,876	2.90	63.68	1.7	3,517	583	10.82	65.26	.5
2010	37,778	1,747	2.83	61.06	1.7	2,395	400	15.23	91.25	.4
2011	33,996	1,595	2.87	61.14	1.8	1,927	326	21.44	126.87	.5
Rolling 12 Months Ending in December										
2010	37,778	1,747	2.82	61.06	1.7	2,395	400	15.24	91.25	.4
2011	33,996	1,595	2.87	61.14	1.7	1,927	326	21.44	126.87	.5

¹ Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

² Prior to 2002, these data were not collected from the Commercial Sector.

NA = Not available.

* = Value is less than half of the 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: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values 2010 and 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 1997 through December 2011 (Continued)

Period	Petroleum Coke					Natural Gas ¹			All Fossil Fuels ²
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost	Average Cost
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)		(billion Btu)	(1000 Mcf)	(dollars/10 ⁶ Btu)		(dollars/10^{6} Btu)
1997	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002	NA	NA	NA	NA	NA	18,671	18,256	3.44	3.03
2003 ³	NA	NA	NA	NA	NA	18,169	17,827	4.96	4.02
2004	NA	NA	NA	NA	NA	16,176	15,804	5.93	4.58
2005	NA	NA	NA	NA	NA	17,600	17,142	8.38	6.25
2006	NA	NA	NA	NA	NA	21,369	20,819	8.33	6.42
2007	NA	NA	NA	NA	NA	23,502	22,955	7.99	6.20
2008	370	14	2.14	58.36	5.5	71,670	69,877	9.01	6.94
2009									
January	39	1	2.04	54.08	5.4	7,139	6,961	6.92	5.77
February	32	1	1.83	52.21	5.4	6,392	6,231	6.20	5.19
March	25	1	1.65	47.07	4.9	6,601	6,442	5.61	4.69
April	--	--	--	--	--	5,830	5,701	4.87	4.26
May	--	--	--	--	--	5,637	5,511	4.69	4.21
June	--	--	--	--	--	6,252	6,113	4.62	4.19
July	1	*	1.61	46.08	4.6	7,449	7,278	4.58	4.18
August	41	1	1.82	51.51	4.9	7,990	7,821	4.37	4.08
September	27	1	1.34	38.11	5.1	7,450	7,285	4.05	3.88
October	--	--	--	--	--	6,757	6,615	5.00	4.54
November	35	1	1.26	35.88	5.1	6,344	6,214	5.26	4.55
December	53	2	1.56	44.39	4.9	7,293	7,135	6.03	5.13
Total	252	9	1.65	46.54	5.1	81,134	79,308	5.18	4.58
2010									
January	38	1	1.69	45.95	5.5	7,928	7,757	6.92	5.82
February	32	1	1.80	48.98	5.5	7,189	7,040	6.55	5.51
March	41	2	2.08	56.61	5.5	7,062	6,916	5.83	5.19
April	20	1	2.15	58.52	5.5	6,394	6,258	5.09	4.48
May	22	1	2.14	61.12	5.5	6,102	5,980	5.10	4.55
June	24	1	2.00	56.93	5.5	6,583	6,449	5.25	4.74
July	30	1	2.33	65.85	5.8	8,579	8,397	5.24	4.83
August	33	1	2.58	73.47	5.8	9,335	9,139	5.09	4.58
September	27	1	2.57	73.21	5.8	7,936	7,765	4.65	4.30
October	42	2	2.33	63.97	5.8	7,954	7,785	4.69	4.47
November	43	2	2.04	55.92	5.8	7,758	7,601	4.67	4.24
December	58	2	2.45	67.15	5.8	9,235	9,043	5.63	5.09
Total	410	15	2.19	60.59	5.7	92,055	90,130	5.39	4.83
2011									
January	42	1	2.84	80.81	5.3	8,306	8,133	5.71	5.10
February	36	1	2.54	72.43	5.5	7,208	7,047	5.57	4.96
March	34	1	2.82	81.17	5.7	6,911	6,772	5.26	4.74
April	25	1	2.68	76.86	5.5	6,753	6,610	5.23	4.82
May	26	1	2.95	83.98	5.8	7,248	7,092	5.15	4.89
June	30	1	2.38	68.28	5.8	6,898	6,760	5.24	4.88
July	42	1	2.96	85.08	5.8	7,722	7,562	5.13	4.86
August	38	1	2.79	79.70	5.8	7,491	7,332	5.06	4.75
September	35	1	2.65	75.79	5.8	6,887	6,730	4.88	4.59
October	31	1	2.65	76.20	5.2	7,065	6,914	4.77	4.47
November	26	1	2.01	57.74	5.3	7,789	7,637	4.58	4.41
December	43	2	2.28	64.54	5.2	8,456	8,282	4.55	4.31
Total	409	14	2.64	75.47	5.6	88,734	86,871	5.09	4.73
Year to Date									
2009	252	9	1.65	46.54	5.1	81,134	79,308	5.18	4.58
2010	410	15	2.19	60.59	5.7	92,055	90,130	5.39	4.83
2011	409	14	2.64	75.47	5.6	88,734	86,871	5.09	4.73
Rolling 12 Months Ending in December									
2010	410	15	2.19	60.59	5.7	92,055	90,130	5.39	4.83
2011	409	14	2.64	75.47	5.6	88,734	86,871	5.09	4.73

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² Includes blast furnace gas and other gases in years prior to 2001.

³ Prior to 2002, these data were not collected from the Commercial Sector.

NA = Not available.

* = Value is less than half of the 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: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values 2010 and 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 1997 through December 2011

Period	Coal ¹					Petroleum Liquids ²				
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost		Avg. Sulfur %
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)		(billion Btu)	(1000 barrels)	(dollars/10 ⁶ Btu)	(dollars/barrel)	
1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002	294,234	13,659	1.45	31.29	1.6	29,137	4,638	3.55	22.33	1.2
2003 ³	322,547	15,076	1.45	31.01	1.4	27,538	4,624	4.85	28.86	1.3
2004	326,495	15,324	1.63	34.79	1.4	25,491	4,107	4.98	30.93	1.4
2005	339,968	16,011	1.94	41.17	1.4	36,383	5,876	6.64	41.13	1.4
2006	320,640	15,208	2.03	42.76	1.5	19,514	3,214	7.57	45.95	1.3
2007	303,091	13,540	2.20	49.16	1.4	33,637	5,514	8.53	52.06	1.3
2008	493,724	22,044	2.72	60.96	1.3	48,822	7,958	12.50	76.69	1.0
2009										
January	36,562	1,654	3.09	68.35	1.3	9,767	1,601	8.12	49.57	.9
February	37,973	1,726	2.95	65.01	1.3	7,327	1,211	8.24	49.88	.7
March	37,194	1,714	2.83	61.39	1.2	5,137	865	7.87	46.78	.8
April	35,600	1,612	2.76	60.96	1.2	3,957	673	8.75	51.40	.9
May	32,431	1,482	2.90	63.53	1.2	4,091	671	9.26	56.49	.8
June	35,103	1,594	2.76	60.80	1.2	4,920	813	10.45	63.24	.8
July	36,776	1,680	2.74	59.98	1.2	3,774	620	11.02	67.06	.8
August	37,929	1,739	2.75	59.95	1.1	4,406	723	11.55	70.39	.9
September	36,169	1,645	2.73	60.01	1.2	2,615	431	12.05	73.10	.9
October	34,755	1,579	2.72	59.97	1.3	2,959	485	12.25	74.72	1.0
November	36,274	1,646	2.72	59.84	1.2	3,129	517	12.05	72.96	.8
December	34,920	1,590	2.75	60.33	1.2	3,816	622	12.43	76.24	.9
Total	431,686	19,661	2.81	61.68	1.2	55,899	9,232	9.83	59.52	.8
2010										
January	34,732	1,580	2.79	61.38	1.3	4,869	811	12.80	76.83	.9
February	35,539	1,606	2.83	62.50	1.2	2,888	477	12.58	76.17	1.2
March	41,435	1,865	2.80	62.26	1.3	2,546	422	12.80	77.21	1.0
April	37,998	1,713	2.76	61.15	1.2	1,616	271	13.57	80.84	1.0
May	38,477	1,743	2.72	59.95	1.2	2,427	406	12.92	77.32	.8
June	42,012	2,008	2.71	56.76	1.1	2,655	444	12.67	75.80	.8
July	39,484	1,797	2.75	60.33	1.2	2,876	482	12.77	76.20	.7
August	45,083	2,150	2.68	56.26	1.2	2,922	487	12.69	76.05	.9
September	39,511	1,795	2.80	61.55	1.2	2,454	412	12.85	76.49	.8
October	39,628	1,808	2.74	60.11	1.2	2,190	366	13.65	81.69	.9
November	38,003	1,732	2.74	60.17	1.2	2,347	396	14.71	87.06	.9
December	37,089	1,694	2.74	60.05	1.3	3,487	579	14.82	89.26	.9
Total	468,991	21,492	2.75	60.08	1.2	33,276	5,554	13.21	79.15	.9
2011										
January	40,454	1,876	2.90	62.55	1.3	3,152	522	14.97	90.36	1.1
February	35,312	1,613	2.94	64.45	1.3	2,214	370	16.55	99.02	1.2
March	35,194	1,630	2.88	62.12	1.3	2,113	351	18.02	108.57	1.1
April	36,230	1,679	2.98	64.35	1.3	2,276	378	18.78	113.09	.8
May	34,536	1,596	3.01	65.07	1.3	2,581	426	17.93	108.59	1.1
June	37,565	1,722	3.05	66.55	1.3	1,886	319	19.24	113.78	.9
July	35,632	1,646	3.00	64.96	1.3	1,692	284	19.46	115.85	1.3
August	41,929	1,923	3.07	66.89	1.3	1,834	307	17.41	104.15	1.0
September	37,568	1,759	2.92	62.42	1.3	1,561	262	18.80	112.19	1.0
October	35,951	1,668	3.01	64.84	1.3	2,051	343	18.90	113.07	.9
November	37,220	1,714	3.02	65.50	1.4	1,918	323	19.04	113.21	1.1
December	38,753	1,814	2.94	62.83	1.5	1,869	314	19.76	117.80	1.2
Total	446,344	20,639	2.98	64.38	1.4	25,147	4,198	18.04	108.08	1.1
Year to Date										
2009	431,686	19,661	2.81	61.68	1.2	55,899	9,232	9.83	59.52	.8
2010	468,991	21,492	2.75	60.08	1.2	33,276	5,554	13.21	79.15	.9
2011	446,344	20,639	2.98	64.38	1.4	25,147	4,198	18.04	108.08	1.1
Rolling 12 Months Ending in December										
2010	468,991	21,492	2.75	60.08	1.2	33,276	5,554	13.21	79.15	.9
2011	446,344	20,639	2.98	64.38	1.3	25,147	4,198	18.04	108.08	1.1

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

² Distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Prior to 2002, these data were not collected from the Industrial Sector.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 1997 through December 2011 (Continued)

Period	Petroleum Coke					Natural Gas ¹			All Fossil Fuels ²
	Receipts		Average Cost		Avg. Sulfur %	Receipts		Average Cost	Average Cost
	(billion Btu)	(1000 tons)	(dollars/10 ⁶ Btu)	(dollars/ton)		(billion Btu)	(1000 Mcf)	(dollars/10 ⁶ Btu)		(dollars/10^{6} Btu)
1997	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998	NA	NA	NA	NA	NA	NA	NA	NA	NA
1999	NA	NA	NA	NA	NA	NA	NA	NA	NA
2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2001	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002	3,846	138	.76	21.20	5.9	852,547	828,439	3.36	2.88
2003	16,383	594	1.04	28.74	5.7	823,681	798,996	5.32	4.20
2004 ³	14,876	540	.98	27.01	5.6	839,886	814,843	6.04	4.76
2005	16,620	594	1.21	33.75	5.4	828,882	805,132	8.00	6.18
2006	17,875	646	1.63	45.05	5.4	869,157	844,211	7.02	5.64
2007	19,700	698	1.96	55.42	5.5	896,803	871,178	6.97	5.78
2008	39,246	1,396	3.34	93.84	4.9	1,099,613	1,068,372	8.95	7.10
2009									
January	3,723	132	2.47	69.67	4.4	92,422	90,002	5.97	5.29
February	2,851	101	2.13	60.08	4.5	81,052	78,882	4.75	4.37
March	3,249	115	1.94	54.76	4.3	90,847	88,448	4.25	3.94
April	2,974	105	1.47	41.48	4.5	86,303	84,086	3.95	3.71
May	2,748	98	1.68	47.32	4.7	86,177	83,988	3.79	3.69
June	3,016	106	1.71	48.63	4.8	91,419	89,197	3.91	3.80
July	2,861	101	1.79	50.71	4.5	99,172	96,629	4.01	3.82
August	3,753	133	1.80	50.73	4.5	102,238	99,672	3.71	3.65
September	3,688	130	1.50	42.30	4.5	99,342	96,840	3.22	3.21
October	3,187	113	1.68	47.23	4.5	95,996	93,558	4.13	3.89
November	3,438	122	1.59	44.65	4.6	91,432	89,106	4.42	4.07
December	3,436	122	1.80	50.60	4.5	101,090	98,473	5.19	4.71
Total	38,924	1,381	1.80	50.82	4.5	1,117,489	1,088,880	4.27	4.02
2010									
January	2,644	94	1.98	55.72	4.5	103,441	100,700	6.06	5.43
February	1,617	57	1.89	53.71	4.8	92,052	89,617	5.62	4.97
March	2,151	76	2.28	64.61	4.8	96,305	93,754	4.89	4.38
April	3,134	110	2.31	65.60	5.1	89,012	86,651	4.19	3.85
May	2,812	99	2.36	67.00	5.0	93,846	91,314	4.37	4.02
June	2,746	97	2.29	64.41	5.0	95,210	92,629	4.58	4.14
July	3,445	123	2.54	71.36	4.7	103,153	100,425	4.82	4.37
August	4,313	153	2.71	76.26	4.7	106,486	103,638	4.69	4.22
September	3,742	133	2.68	75.58	5.0	96,833	94,214	4.02	3.79
October	3,016	106	2.66	75.62	4.9	95,174	92,702	3.92	3.71
November	2,862	101	2.47	69.84	5.2	93,589	91,184	3.74	3.62
December	3,383	120	2.71	76.42	5.2	101,666	99,087	4.65	4.36
Total	35,866	1,269	2.46	69.38	4.9	1,166,768	1,135,917	4.64	4.24
2011									
January	2,997	106	3.05	86.21	5.3	110,667	107,937	4.48	4.26
February	2,208	78	2.68	75.79	5.4	97,968	95,420	4.51	4.27
March	2,431	86	2.93	83.22	5.5	104,345	101,613	4.05	3.95
April	2,117	75	3.04	85.80	5.2	102,233	99,596	4.42	4.26
May	2,333	83	3.48	98.10	5.2	106,472	103,762	4.48	4.35
June	2,531	89	3.04	86.51	5.2	102,349	99,713	4.57	4.34
July	4,078	142	3.58	102.66	5.3	109,159	106,401	4.58	4.35
August	3,454	122	3.33	94.51	5.5	114,245	111,202	4.48	4.24
September	3,500	123	3.27	93.16	5.5	108,622	104,186	4.16	3.98
October	2,803	99	3.32	93.54	5.4	102,978	100,239	3.93	3.90
November	2,714	96	2.82	79.73	5.5	107,923	105,178	3.66	3.68
December	3,540	126	3.08	86.67	5.4	111,783	108,900	3.63	3.64
Total	34,709	1,225	3.17	89.70	5.4	1,278,744	1,244,147	4.24	4.10
Year to Date									
2009	38,924	1,381	1.80	50.82	4.5	1,117,489	1,088,880	4.27	4.02
2010	35,866	1,269	2.46	69.38	4.9	1,166,768	1,135,917	4.64	4.24
2011	34,709	1,225	3.17	89.70	5.4	1,278,744	1,244,147	4.24	4.10
Rolling 12 Months Ending in December									
2010	35,866	1,269	2.46	69.38	4.9	1,166,768	1,135,917	4.64	4.24
2011	34,709	1,225	3.17	89.70	5.4	1,278,744	1,244,147	4.24	4.10

¹ Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

² Includes blast furnace gas and other gases in years prior to 2001.

³ Prior to 2002, these data were not collected from the Industrial Sector.

NA = Not available.

Notes: • Due to different reporting requirements between the Form EIA-923 and historical FERC Form 423, the receipts data from 2008 and on are not directly comparable to prior years. For more information, please see the Technical Notes in Appendix C. • See Glossary for definitions. • Values for 2010 and prior years are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Price data on the Form EIA-423 are proprietary and are only reported at an aggregated level. • Monetary values are expressed in nominal terms. • Mcf = thousand cubic feet.

Sources: U.S. Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, December 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	228	270	-15.6	71	50	149	214	--	--	NM	6
Connecticut.....	--	52	--	--	--	--	52	--	--	--	--
Maine.....	4	7	-42.2	--	--	2	4	--	--	2	3
Massachusetts	153	160	-4.6	--	--	147	157	--	--	NM	3
New Hampshire	71	50	40.6	71	50	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	4,082	4,555	-10.4	NM	716	3,937	3,724	NM	2	140	113
New Jersey	78	163	-52.3	--	--	78	163	--	--	--	--
New York	286	436	-34.3	NM	2	243	414	NM	1	41	18
Pennsylvania.....	3,718	3,957	-6.0	--	714	3,617	3,147	NM	2	NM	94
East North Central.....	17,748	19,125	-7.2	10,449	12,902	6,787	5,714	42	50	470	459
Illinois.....	6,204	6,365	-2.5	503	1,759	5,424	4,327	8	11	270	269
Indiana.....	3,532	3,673	-3.8	3,101	3,236	404	403	19	27	NM	7
Michigan.....	2,377	3,232	-26.4	2,296	3,129	35	58	9	6	NM	39
Ohio.....	3,677	3,793	-3.0	2,709	2,822	925	926	--	--	44	44
Wisconsin.....	1,958	2,063	-5.1	1,841	1,956	--	--	NM	6	111	101
West North Central ...	14,249	13,000	9.6	13,842	12,613	--	--	28	36	380	351
Iowa.....	2,292	2,069	10.8	2,061	1,874	--	--	20	20	210	175
Kansas.....	2,056	1,585	29.7	2,056	1,585	--	--	--	--	--	--
Minnesota.....	1,520	1,280	18.8	1,417	1,195	--	--	--	--	102	85
Missouri.....	4,502	4,237	6.2	4,485	4,202	--	--	7	16	NM	19
Nebraska.....	1,452	1,372	5.8	1,419	1,327	--	--	--	--	NM	46
North Dakota	2,199	2,220	-9	2,174	2,194	--	--	--	--	NM	26
South Dakota	230	237	-3.1	230	237	--	--	--	--	--	--
South Atlantic	11,884	11,942	-5	9,719	9,532	1,783	2,050	12	12	370	348
Delaware.....	45	58	-21.6	--	--	45	58	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	1,933	2,074	-6.8	1,822	1,906	78	138	--	--	32	30
Georgia.....	2,808	2,361	18.9	2,746	2,303	--	--	--	--	62	58
Maryland.....	595	850	-30.1	--	--	558	812	--	--	37	39
North Carolina	1,981	2,002	-1.0	1,839	1,875	88	78	9	9	44	39
South Carolina.....	1,020	1,259	-19.0	982	1,221	NM	11	--	--	25	27
Virginia.....	666	751	-11.4	395	506	128	121	NM	2	140	122
West Virginia.....	2,838	2,588	9.7	1,935	1,722	874	834	--	--	29	32
East South Central.....	7,532	8,706	-13.5	6,959	8,166	376	345	NM	5	192	190
Alabama.....	2,144	2,349	-8.7	2,097	2,300	NM	8	--	--	38	41
Kentucky.....	3,509	3,502	.2	3,509	3,502	--	--	--	--	--	--
Mississippi.....	709	979	-27.5	342	641	367	337	--	--	--	--
Tennessee.....	1,170	1,877	-37.7	1,012	1,723	--	--	NM	5	154	149
West South Central.....	13,810	13,396	3.1	7,674	7,276	6,075	6,064	--	--	NM	57
Arkansas.....	1,493	1,687	-11.5	1,253	1,452	226	230	--	--	NM	5
Louisiana.....	1,374	1,279	7.4	929	708	445	571	--	--	NM	*
Oklahoma.....	1,907	1,947	-2.1	1,716	1,745	143	151	--	--	NM	51
Texas.....	9,036	8,483	6.5	3,775	3,371	5,260	5,112	--	--	--	--
Mountain	9,887	10,321	-4.2	8,619	9,086	1,160	1,125	--	--	108	110
Arizona.....	2,060	2,149	-4.2	2,024	2,112	--	--	--	--	35	37
Colorado.....	1,555	1,333	16.6	1,533	1,315	21	18	--	--	--	--
Idaho.....	NM	19	--	--	--	--	--	--	--	NM	19
Montana.....	1,031	969	6.3	NM	25	1,003	944	--	--	--	--
Nevada.....	109	322	-66.1	49	246	60	77	--	--	--	--
New Mexico.....	1,412	1,274	10.9	1,412	1,274	--	--	--	--	--	--
Utah.....	965	1,492	-35.3	921	1,455	NM	37	--	--	11	--
Wyoming.....	2,737	2,761	-9	2,650	2,659	NM	49	--	--	44	53
Pacific Contiguous	916	989	-7.3	290	269	549	664	--	--	77	55
California.....	145	118	23.5	--	--	79	74	--	--	66	44
Oregon.....	290	269	7.8	290	269	--	--	--	--	--	--
Washington.....	480	602	-20.2	--	--	469	590	--	--	11	12
Pacific Noncontiguous.....	214	159	34.4	NM	29	123	77	54	47	NM	6
Alaska.....	103	95	8.7	NM	29	NM	20	54	47	--	--
Hawaii.....	111	64	72.7	--	--	104	58	--	--	NM	6
U.S. Total.....	80,550	82,464	-2.3	57,654	60,641	20,939	19,977	143	151	1,814	1,694

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

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 through December 2011 and 2010

(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	3,828	5,725	-33.1	1,083	1,063	2,658	4,561	--	--	87	101
Connecticut	349	1,183	-70.5	--	--	349	1,183	--	--	--	--
Maine.....	61	88	-31.2	--	--	38	55	--	--	23	34
Massachusetts	2,335	3,390	-31.1	--	--	2,270	3,323	--	--	64	67
New Hampshire	1,083	1,063	1.9	1,083	1,063	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	54,861	62,518	-12.2	NM	8,498	53,260	52,417	26	24	1,543	1,580
New Jersey	2,062	2,526	-18.3	--	--	2,062	2,526	--	--	--	--
New York	5,548	6,065	-8.5	NM	34	5,106	5,662	NM	3	404	365
Pennsylvania.....	47,251	53,928	-12.4	--	8,464	46,092	44,229	20	21	1,139	1,215
East North Central	206,264	225,132	-8.4	126,945	153,895	73,748	65,500	477	613	5,095	5,125
Illinois.....	66,664	58,595	13.8	6,320	7,724	57,365	47,879	48	66	2,931	2,926
Indiana.....	43,888	54,471	-19.4	38,714	49,090	4,877	4,997	200	284	96	100
Michigan.....	26,869	36,234	-25.8	26,116	35,386	200	242	162	193	391	413
Ohio.....	44,776	51,301	-12.7	32,994	38,432	11,305	12,382	--	--	476	487
Wisconsin.....	24,068	24,531	-1.9	22,801	23,263	--	--	67	70	1,200	1,199
West North Central ...	150,727	150,810	-1	146,179	146,190	--	--	345	404	4,204	4,216
Iowa.....	26,423	26,626	-8	23,836	24,140	--	--	243	265	2,343	2,221
Kansas.....	20,216	20,503	-1.4	20,216	20,503	--	--	--	--	--	--
Minnesota.....	18,308	17,480	4.7	17,209	16,336	--	--	--	--	1,099	1,144
Missouri.....	45,646	44,832	1.8	45,407	44,492	--	--	101	138	138	201
Nebraska.....	14,973	15,192	-1.4	14,623	14,827	--	--	--	--	350	365
North Dakota	23,370	23,973	-2.5	23,096	23,688	--	--	--	--	274	285
South Dakota	1,791	2,203	-18.7	1,791	2,203	--	--	--	--	--	--
South Atlantic	148,631	156,059	-4.8	119,392	126,095	24,708	25,135	130	136	4,401	4,693
Delaware.....	560	832	-32.7	--	--	560	832	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	23,026	26,343	-12.6	20,994	24,062	1,665	1,898	--	--	368	383
Georgia.....	31,225	31,710	-1.5	30,410	30,854	--	--	--	--	815	856
Maryland.....	9,675	10,543	-8.2	--	--	9,249	10,089	--	--	426	454
North Carolina	26,533	26,768	-9	24,934	25,086	1,000	1,041	94	98	506	543
South Carolina	14,503	16,268	-10.8	14,100	15,842	140	146	--	--	264	281
Virginia.....	11,557	12,025	-3.9	8,189	8,235	1,656	1,946	37	38	1,676	1,806
West Virginia.....	31,551	31,568	-1	20,766	22,015	10,438	9,183	--	--	347	370
East South Central	97,993	101,719	-3.7	92,688	95,685	2,986	3,708	55	57	2,264	2,270
Alabama.....	27,537	30,146	-8.7	27,008	29,595	92	96	--	--	437	455
Kentucky.....	41,572	40,771	2.0	41,572	40,771	--	--	--	--	--	--
Mississippi.....	6,645	8,611	-22.8	3,751	4,999	2,894	3,612	--	--	--	--
Tennessee.....	22,239	22,192	.2	20,358	20,320	--	--	55	57	1,827	1,815
West South Central	161,167	154,849	4.1	82,934	81,557	77,452	72,121	--	--	780	1,172
Arkansas.....	17,644	17,473	1.0	15,220	16,402	2,278	919	--	--	147	153
Louisiana.....	15,717	14,310	9.8	8,535	7,960	7,180	6,347	--	--	NM	3
Oklahoma.....	19,857	20,148	-1.4	17,970	18,153	1,341	1,462	--	--	546	532
Texas.....	107,948	102,919	4.9	41,210	39,041	66,654	63,393	--	--	84	484
Mountain	112,520	112,772	-2	99,493	97,695	11,647	13,476	--	--	1,380	1,600
Arizona.....	23,254	22,357	4.0	22,848	21,970	--	--	--	--	406	387
Colorado.....	19,857	18,583	6.9	19,615	18,331	242	252	--	--	--	--
Idaho.....	212	221	-3.9	--	--	--	--	--	--	212	221
Montana.....	10,133	11,876	-14.7	298	310	9,835	11,566	--	--	--	--
Nevada.....	3,105	3,734	-16.8	2,376	2,918	729	815	--	--	--	--
New Mexico.....	15,581	14,441	7.9	15,581	14,441	--	--	--	--	--	--
Utah.....	15,099	14,671	2.9	14,450	13,830	385	368	--	--	264	474
Wyoming.....	25,279	26,890	-6.0	24,324	25,896	457	475	--	--	498	518
Pacific Contiguous	7,596	8,442	-10.0	2,352	2,092	4,437	5,697	--	--	807	654
California.....	1,627	1,396	16.6	--	--	913	858	--	--	714	538
Oregon.....	2,352	2,092	12.4	2,352	2,092	--	--	--	--	--	--
Washington.....	3,617	4,955	-27.0	--	--	3,523	4,839	--	--	94	116
Pacific Noncontiguous	1,994	1,890	5.5	312	325	1,041	971	562	513	78	81
Alaska.....	1,087	1,059	2.6	312	325	212	221	562	513	--	--
Hawaii.....	908	832	9.1	--	--	829	750	--	--	78	81
U.S. Total	945,581	979,918	-3.5	671,409	713,094	251,937	243,585	1,595	1,747	20,639	21,492

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal symfuel.

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 2011 and 2010
(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	112	339	-67.0	NM	12	NM	237	NM	21	NM	69
Connecticut.....	9	101	-90.8	NM	*	9	100	--	--	NM	*
Maine.....	NM	204	--	NM	1	NM	133	NM	2	NM	68
Massachusetts	NM	6	--	NM	1	NM	4	NM	1	NM	*
New Hampshire	NM	20	--	NM	4	NM	*	NM	16	NM	*
Rhode Island.....	NM	6	--	NM	3	NM	*	NM	3	--	--
Vermont.....	NM	2	--	NM	2	--	--	--	--	--	--
Middle Atlantic	245	299	-18.1	22	133	193	129	NM	2	NM	35
New Jersey.....	NM	136	--	NM	117	NM	14	NM	*	NM	5
New York.....	169	81	107.1	21	16	123	38	NM	1	NM	26
Pennsylvania.....	67	81	-17.9	NM	*	63	77	NM	1	NM	3
East North Central.....	159	153	4.2	133	108	18	19	NM	11	4	14
Illinois.....	19	16	19.7	7	4	12	12	NM	*	NM	*
Indiana.....	31	34	-10.5	28	18	NM	*	NM	6	3	10
Michigan.....	49	52	-4.4	44	44	NM	*	NM	5	1	3
Ohio.....	53	43	22.7	46	34	6	7	--	--	1	1
Wisconsin.....	7	8	-7.9	7	7	NM	*	NM	*	NM	*
West North Central ...	66	60	8.5	61	56	NM	*	NM	*	NM	3
Iowa.....	19	15	28.9	19	15	NM	*	NM	*	NM	--
Kansas.....	10	2	316.5	10	2	--	--	--	--	--	--
Minnesota.....	NM	4	--	NM	2	2	*	NM	*	NM	1
Missouri.....	13	14	-7.1	13	14	--	--	NM	*	--	*
Nebraska.....	4	3	25.4	4	3	--	--	--	--	--	--
North Dakota.....	NM	11	--	7	9	--	--	NM	*	NM	1
South Dakota.....	4	10	-59.4	4	10	NM	*	NM	--	--	--
South Atlantic	442	967	-54.3	207	493	111	229	NM	2	123	242
Delaware.....	13	4	258.5	NM	*	13	4	--	--	--	--
District of Columbia	--	11	--	--	--	--	11	--	--	--	--
Florida.....	130	297	-56.1	94	189	NM	68	--	--	NM	40
Georgia.....	69	94	-25.8	46	22	--	6	NM	*	NM	65
Maryland.....	57	62	-7.8	NM	1	53	59	NM	*	3	2
North Carolina.....	NM	145	--	20	83	NM	1	NM	*	NM	60
South Carolina.....	33	92	-64.1	NM	36	NM	--	NM	*	NM	56
Virginia.....	46	218	-79.1	NM	134	31	63	1	1	NM	20
West Virginia.....	45	44	.4	33	28	12	17	--	--	--	--
East South Central.....	268	239	12.1	220	107	1	5	--	--	47	127
Alabama.....	87	135	-35.1	45	10	1	5	--	--	41	120
Kentucky.....	27	24	14.0	27	24	--	--	--	--	--	--
Mississippi.....	6	2	147.6	4	*	--	--	--	--	NM	2
Tennessee.....	147	78	88.6	144	73	--	--	--	--	NM	5
West South Central.....	23	52	-55.5	2	29	10	11	NM	*	NM	11
Arkansas.....	NM	18	--	--	9	--	2	--	--	NM	8
Louisiana.....	NM	3	--	NM	1	4	1	--	--	NM	2
Oklahoma.....	NM	10	--	NM	10	--	--	NM	*	NM	*
Texas.....	17	20	-13.4	2	9	7	9	NM	*	NM	1
Mountain	51	47	10.4	46	42	4	4	NM	*	NM	1
Arizona.....	14	9	49.3	13	9	--	--	NM	*	NM	1
Colorado.....	8	7	20.8	8	7	--	--	NM	*	NM	*
Idaho.....	NM	*	--	NM	*	--	--	--	--	--	--
Montana.....	4	3	16.4	NM	*	4	3	--	--	--	--
Nevada.....	3	1	95.5	2	1	*	*	--	--	--	--
New Mexico.....	5	10	-46.3	5	10	--	--	NM	*	NM	*
Utah.....	9	6	44.7	9	6	NM	*	--	--	--	--
Wyoming.....	9	10	-11.7	9	10	--	--	--	--	NM	*
Pacific Contiguous	NM	44	--	NM	21	NM	13	NM	*	NM	9
California.....	NM	18	--	NM	7	NM	11	NM	*	*	*
Oregon.....	NM	*	--	--	--	--	--	--	--	NM	*
Washington.....	NM	25	--	NM	14	NM	2	NM	*	NM	8
Pacific Noncontiguous.....	1,103	1,565	-29.5	854	1,266	197	228	NM	4	49	68
Alaska.....	141	229	-38.2	133	214	--	--	NM	3	NM	12
Hawaii.....	962	1,337	-28.0	721	1,052	197	228	NM	*	43	56
U.S. Total.....	2,481	3,764	-34.1	1,558	2,267	586	876	24	41	314	579

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

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 through December 2011 and 2010
(Thousand Barrels)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	2,182	2,936	-25.7	102	178	1,257	1,731	184	235	639	792
Connecticut	243	610	-60.2	NM	4	236	600	--	--	NM	6
Maine	1,180	1,267	-6.9	NM	3	538	526	NM	9	630	729
Massachusetts	602	831	-27.5	36	94	481	602	82	80	NM	56
New Hampshire	NM	157	--	20	35	NM	*	NM	120	NM	2
Rhode Island	NM	51	--	NM	22	NM	2	NM	27	--	--
Vermont	NM	20	--	NM	20	--	--	--	--	--	--
Middle Atlantic	3,247	4,160	-22.0	933	1,909	2,018	1,936	28	47	NM	268
New Jersey	504	629	-19.8	207	251	271	352	NM	1	NM	25
New York	1,870	2,665	-29.8	725	1,657	915	766	NM	38	NM	203
Pennsylvania	872	867	.6	NM	1	832	818	NM	8	NM	40
East North Central....	1,629	1,508	8.0	1,320	1,065	198	276	56	59	55	108
Illinois	175	215	-18.5	63	54	112	161	NM	*	NM	*
Indiana	340	333	2.0	305	262	NM	2	NM	9	28	60
Michigan	401	344	16.6	341	273	NM	*	NM	49	10	21
Ohio	640	527	21.6	551	407	82	105	--	--	8	15
Wisconsin	72	89	-19.1	61	68	NM	9	NM	*	NM	12
West North Central ...	695	920	-24.4	639	833	NM	10	NM	6	NM	71
Iowa	165	204	-18.8	163	198	NM	5	NM	*	NM	*
Kansas	89	94	-5.1	89	94	--	--	--	--	--	--
Minnesota	78	108	-27.7	48	66	7	4	NM	4	NM	33
Missouri	200	333	-40.0	197	325	--	--	NM	*	NM	8
Nebraska	44	55	-20.2	44	55	--	--	--	--	--	--
North Dakota	96	104	-7.4	77	72	--	--	NM	2	NM	30
South Dakota	23	23	.4	23	23	NM	1	NM	*	--	--
South Atlantic	9,117	16,052	-43.2	6,506	12,034	928	1,702	NM	16	1,667	2,300
Delaware	96	64	49.2	NM	*	96	64	--	--	--	--
District of Columbia	215	443	-51.5	--	--	215	443	--	--	--	--
Florida	4,742	10,609	-55.3	4,255	9,693	71	386	--	--	416	530
Georgia	684	672	1.8	300	190	5	35	NM	3	376	444
Maryland	362	444	-18.4	NM	9	324	409	NM	2	28	23
North Carolina	671	828	-18.9	303	393	NM	8	NM	1	NM	426
South Carolina	521	753	-30.8	212	241	NM	2	NM	1	308	508
Virginia	1,494	1,981	-24.6	1,131	1,276	175	327	8	8	NM	370
West Virginia	330	258	28.2	296	231	35	27	--	--	--	--
East South Central....	1,627	2,062	-21.1	955	1,136	NM	38	--	--	652	888
Alabama	780	1,002	-22.1	187	187	NM	38	--	--	572	777
Kentucky	256	326	-21.5	256	326	--	--	--	--	--	--
Mississippi	119	158	-24.7	NM	135	--	--	--	--	NM	24
Tennessee	472	576	-18.1	415	488	--	--	--	--	NM	87
West South Central....	392	545	-28.1	168	290	146	121	NM	5	NM	129
Arkansas	83	81	2.1	28	47	38	9	--	--	NM	25
Louisiana	92	240	-61.5	36	170	34	31	--	--	NM	39
Oklahoma	NM	21	--	13	16	--	--	NM	1	NM	4
Texas	200	203	-1.6	90	56	74	82	NM	4	NM	62
Mountain	489	622	-21.4	418	567	58	42	NM	*	NM	12
Arizona	124	112	10.3	113	102	--	--	NM	*	NM	10
Colorado	65	173	-62.6	55	173	9	*	NM	*	NM	*
Idaho	NM	*	--	NM	*	--	--	--	--	--	--
Montana	40	35	15.4	NM	1	39	34	--	--	--	--
Nevada	29	24	20.3	21	18	8	6	--	--	--	--
New Mexico	50	93	-46.2	50	93	--	--	NM	*	NM	*
Utah	82	74	11.2	80	71	NM	3	--	--	--	--
Wyoming	100	111	-10.4	98	109	--	--	--	--	NM	2
Pacific Contiguous	242	379	-36.1	89	109	33	46	NM	2	NM	222
California	74	97	-24.2	58	77	11	16	NM	1	3	3
Oregon	NM	9	--	12	5	--	--	--	--	NM	4
Washington	154	273	-43.5	NM	27	22	30	NM	1	NM	215
Pacific Noncontiguous.....	14,722	16,288	-9.6	11,657	12,977	2,364	2,518	NM	31	673	762
Alaska	1,576	1,659	-4.9	1,470	1,550	--	--	NM	27	81	82
Hawaii	13,146	14,629	-10.1	10,187	11,427	2,364	2,518	NM	4	592	680
U.S. Total.....	34,342	45,472	-24.5	22,786	31,099	7,033	8,420	326	400	4,198	5,554

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut.....	--	--	--	--	--	--	--	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	NM	1	--	--	--	NM	1	--	--	NM	1
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	NM	1	--	--	--	NM	1	--	--	--	--
Pennsylvania.....	NM	1	--	--	--	--	--	--	--	NM	1
East North Central.....	46	60	-22.9	NM	7	6	9	--	--	40	44
Illinois.....	--	--	--	--	--	--	--	--	--	--	--
Indiana.....	--	--	--	--	--	--	--	--	--	--	--
Michigan.....	NM	22	--	NM	1	6	9	--	--	NM	13
Ohio.....	NM	15	--	--	--	--	--	--	--	NM	15
Wisconsin.....	14	22	-34.4	--	6	--	--	--	--	14	16
West North Central ...	2	7	-78.7	--	5	--	--	2	2	--	--
Iowa.....	2	5	-67.7	--	3	--	--	2	2	--	--
Kansas.....	--	2	--	--	2	--	--	--	--	--	--
Minnesota.....	--	--	--	--	--	--	--	--	--	--	--
Missouri.....	--	--	--	--	--	--	--	--	--	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	147	159	-7.8	95	122	--	--	--	--	52	37
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida.....	95	122	-22.1	95	122	--	--	--	--	--	--
Georgia.....	52	37	39.4	--	--	--	--	--	--	52	37
Maryland.....	--	--	--	--	--	--	--	--	--	--	--
North Carolina.....	--	--	--	--	--	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	--	--	--	--	--
Virginia.....	--	--	--	--	--	--	--	--	--	--	--
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--
East South Central.....	13	61	-77.9	13	61	--	--	--	--	--	--
Alabama.....	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	13	61	-77.9	13	61	--	--	--	--	--	--
Mississippi.....	--	--	--	--	--	--	--	--	--	--	--
Tennessee.....	--	--	--	--	--	--	--	--	--	--	--
West South Central.....	170	114	49.4	146	82	--	4	--	--	NM	27
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	168	108	55.8	146	82	--	--	--	--	NM	26
Oklahoma.....	NM	*	--	--	--	--	--	--	--	NM	*
Texas.....	NM	5	--	--	--	4	--	--	--	NM	1
Mountain	25	27	-9.2	--	--	25	27	--	--	--	--
Arizona.....	--	--	--	--	--	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	25	27	-9.2	--	--	25	27	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	NM	38	--	--	--	NM	27	--	--	NM	11
California.....	NM	38	--	--	--	NM	27	--	--	NM	11
Oregon.....	--	--	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous.....	--	--	--	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--	--	--
U.S. Total.....	445	467	-4.6	255	277	62	67	2	2	126	120

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

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent 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 through December 2011 and 2010
(Thousand Tons)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	31	132	-76.3	--	--	23	122	--	--	NM	10
New Jersey	--	--	--	--	--	--	--	--	--	--	--
New York	23	122	-81.2	--	--	23	122	--	--	--	--
Pennsylvania	NM	10	--	--	--	--	--	--	--	NM	10
East North Central	665	748	-11.1	127	194	67	34	--	--	471	520
Illinois	--	--	--	--	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--	--	--	--	--
Michigan	179	203	-12.2	NM	9	32	34	--	--	139	160
Ohio	207	198	4.7	--	--	35	--	--	--	172	198
Wisconsin	279	346	-19.4	119	185	--	--	--	--	160	162
West North Central ...	32	95	-66.0	18	80	--	--	NM	15	--	--
Iowa	30	49	-39.9	15	34	--	--	NM	15	--	--
Kansas	3	44	-93.7	3	44	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	1	--	--	1	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	1,448	1,889	-23.4	1,119	1,630	--	--	--	--	329	259
Delaware	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,119	1,621	-31.0	1,119	1,621	--	--	--	--	--	--
Georgia	329	259	26.9	--	--	--	--	--	--	329	259
Maryland	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	9	--	--	9	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--
East South Central	463	703	-34.2	463	703	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--	--	--
Kentucky	463	703	-34.2	463	703	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,753	1,589	10.3	1,445	1,022	NM	225	--	--	296	342
Arkansas	--	--	--	--	--	--	--	--	--	--	--
Louisiana	1,721	1,340	28.4	1,445	1,022	--	--	--	--	276	319
Oklahoma	NM	7	--	--	--	--	--	--	--	NM	7
Texas	26	242	-89.1	--	--	NM	225	--	--	NM	17
Mountain	274	233	17.6	--	--	274	233	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--
Montana	274	233	17.6	--	--	274	233	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	498	575	-13.4	--	--	377	436	--	--	120	139
California	498	575	-13.4	--	--	377	436	--	--	120	139
Oregon	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	5,163	5,963	-13.4	3,171	3,628	753	1,050	14	15	1,225	1,269

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

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding.

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

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, December 2011 and 2010
(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	37,549	37,295	.7	111	326	33,607	32,915	1,008	1,088	2,824	2,965
Connecticut	9,612	7,220	33.1	61	58	9,063	6,658	NM	115	NM	389
Maine	5,548	5,682	-2.3	--	--	3,492	3,513	NM	1	2,056	2,168
Massachusetts	12,695	15,052	-15.7	46	161	11,600	13,763	674	760	NM	368
New Hampshire	4,495	4,289	4.8	*	102	4,465	4,147	--	--	NM	40
Rhode Island	5,195	5,047	2.9	--	--	4,987	4,835	NM	211	--	--
Vermont	4	5	-28.5	4	5	--	--	--	--	--	--
Middle Atlantic	80,442	73,618	9.3	8,633	9,663	68,773	58,056	850	1,763	2,186	4,137
New Jersey	16,534	18,521	-10.7	--	--	15,577	15,899	NM	143	808	2,479
New York	34,471	31,769	8.5	8,618	9,650	24,712	20,053	643	1,552	NM	513
Pennsylvania	29,437	23,329	26.2	14	13	28,484	22,104	NM	67	880	1,145
East North Central.....	42,220	36,146	16.8	12,179	9,428	25,361	21,914	1,554	1,635	3,126	3,169
Illinois	3,565	4,327	-17.6	201	72	1,859	2,564	626	782	879	908
Indiana	11,107	9,709	14.4	7,351	5,329	2,403	2,965	NM	176	1,240	1,239
Michigan	11,852	11,741	.9	319	536	10,510	10,192	555	551	468	462
Ohio	10,459	7,845	33.3	1,922	2,501	8,352	5,123	--	--	NM	220
Wisconsin	5,237	2,525	107.4	2,387	989	2,237	1,070	259	126	354	340
West North Central ...	6,250	8,020	-22.1	4,812	6,438	516	678	383	225	539	679
Iowa	393	1,148	-65.8	336	1,072	--	*	42	46	NM	30
Kansas	865	1,278	-32.3	865	1,278	--	--	--	--	NM	*
Minnesota	2,673	2,636	1.4	1,587	1,649	430	419	239	178	416	390
Missouri	2,139	2,629	-18.6	1,948	2,361	NM	259	101	2	NM	7
Nebraska	64	266	-76.1	63	74	NM	*	NM	*	--	192
North Dakota	105	60	76.9	NM	*	--	--	--	--	105	59
South Dakota	NM	3	--	NM	3	--	--	--	--	--	--
South Atlantic	132,730	124,253	6.8	98,983	92,926	26,217	26,869	NM	223	7,237	4,235
Delaware	5,371	706	661.2	29	7	3,737	699	--	--	1,604	--
District of Columbia ...	--	--	--	--	--	--	--	--	--	--	--
Florida	78,397	77,668	.9	69,832	68,734	5,285	6,615	NM	222	NM	2,096
Georgia	15,998	15,366	4.1	7,307	5,967	7,248	8,458	--	--	NM	940
Maryland	1,424	1,613	-11.7	--	--	1,219	1,436	--	*	NM	176
North Carolina	8,800	6,314	39.4	6,985	4,633	1,520	1,380	NM	*	NM	301
South Carolina	7,851	8,203	-4.3	7,254	7,128	NM	986	NM	*	NM	89
Virginia	14,718	14,058	4.7	7,561	6,365	6,611	7,209	--	--	NM	484
West Virginia	NM	326	--	16	93	43	86	--	--	NM	147
East South Central.....	58,472	61,908	-5.6	26,450	33,853	28,386	23,815	NM	286	NM	3,954
Alabama	34,134	30,952	10.3	9,421	10,276	22,368	18,419	--	--	NM	2,258
Kentucky	868	3,552	-75.5	472	2,716	11	141	--	--	NM	694
Mississippi	20,935	22,228	-5.8	14,341	16,430	6,007	5,254	NM	33	NM	511
Tennessee	2,534	5,176	-51.0	2,217	4,432	--	--	NM	253	NM	491
West South Central....	227,907	196,075	16.2	47,347	50,538	105,489	80,222	NM	625	74,443	64,690
Arkansas	7,026	7,557	-7.0	1,134	1,008	4,932	5,669	NM	1	NM	880
Louisiana	41,221	42,152	-2.2	11,063	12,542	5,611	6,434	NM	48	24,490	23,128
Oklahoma	18,296	22,075	-17.1	13,494	18,508	4,165	2,998	NM	133	NM	435
Texas	161,363	124,291	29.8	21,657	18,480	90,781	65,121	NM	443	48,516	40,248
Mountain	46,553	43,756	6.4	27,936	24,067	17,058	18,146	NM	170	NM	1,373
Arizona	10,237	13,109	-21.9	5,552	5,206	4,599	7,840	NM	51	NM	11
Colorado	8,263	6,796	21.6	4,000	2,977	NM	3,801	NM	--	NM	18
Idaho	1,632	1,055	54.7	166	106	1,362	789	--	--	104	159
Montana	NM	440	--	NM	396	NM	*	--	--	NM	44
Nevada	14,202	11,637	22.0	10,101	8,386	NM	3,093	NM	42	NM	116
New Mexico	7,156	6,006	19.2	4,650	3,634	NM	2,294	NM	78	NM	*
Utah	NM	3,829	--	3,452	3,333	528	322	NM	*	NM	174
Wyoming	852	885	-3.8	NM	28	NM	7	--	--	835	850
Pacific Contiguous	101,839	95,348	6.8	33,092	28,243	51,915	50,279	NM	3,028	NM	13,797
California	82,518	79,726	3.5	23,208	20,833	43,116	42,770	NM	2,947	NM	13,175
Oregon	11,801	10,690	10.4	4,431	3,856	7,172	6,544	--	--	198	290
Washington	7,519	4,932	52.5	5,453	3,554	1,628	965	145	81	293	332
Pacific Noncontiguous.....	3,955	3,386	16.8	3,869	3,297	--	--	NM	--	85	89
Alaska	3,955	3,386	16.8	3,869	3,297	--	--	NM	--	85	89
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total.....	737,917	679,805	8.5	263,413	258,780	357,323	312,895	8,282	9,043	108,900	99,087

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. • Mcf = thousand cubic feet.

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 through December 2011 and 2010
(Thousand Mcf)

Census Division and State	Total (All Sectors)			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	2011	2010	Percent Change	2011	2010	2011	2010	2011	2010	2011	2010
New England	482,930	452,965	6.6	4,264	7,833	436,385	399,984	10,913	11,557	31,368	33,591
Connecticut	114,562	91,054	25.8	712	655	108,301	84,496	1,400	1,474	4,148	4,430
Maine	56,187	64,912	-13.4	--	--	33,573	40,449	NM	9	22,604	24,454
Massachusetts	198,696	198,154	.3	2,456	4,831	184,790	181,331	7,170	7,642	4,280	4,350
New Hampshire	47,106	39,294	19.9	1,046	2,292	45,725	36,645	--	--	335	357
Rhode Island	66,329	59,496	11.5	--	--	63,997	57,063	2,332	2,433	--	--
Vermont	49	56	-11.2	49	56	--	--	--	--	--	--
Middle Atlantic	971,722	912,445	6.5	126,683	134,390	812,716	734,777	8,585	10,228	23,737	33,251
New Jersey	209,870	217,809	-3.6	--	--	199,186	200,038	1,661	1,742	9,023	16,029
New York	443,860	440,370	.8	126,524	134,259	305,883	292,957	6,212	7,580	5,240	5,575
Pennsylvania	317,992	254,266	25.1	159	132	307,647	241,782	712	706	9,475	11,646
East North Central....	437,329	369,999	18.2	120,983	92,517	270,184	228,762	12,468	12,429	33,694	36,290
Illinois	66,290	63,458	4.5	6,003	5,698	43,751	40,265	6,507	6,440	10,029	11,055
Indiana	99,938	76,940	29.9	55,736	31,617	29,340	29,764	1,284	1,342	13,579	14,217
Michigan	121,915	119,549	2.0	11,699	14,006	103,262	98,521	2,402	1,945	4,553	5,077
Ohio	94,868	60,624	56.5	23,605	14,899	69,071	43,479	--	--	2,192	2,246
Wisconsin	54,318	49,428	9.9	23,940	26,297	24,761	16,732	2,275	2,703	3,342	3,696
West North Central ...	127,018	133,719	-5.0	103,451	106,615	14,725	17,510	3,261	3,095	5,581	6,498
Iowa	11,538	13,899	-17.0	10,831	13,262	NM	*	396	436	310	200
Kansas	32,201	27,872	15.5	32,142	27,872	--	--	--	--	NM	*
Minnesota	35,910	44,678	-19.6	21,827	28,090	7,722	9,727	2,132	2,481	4,230	4,380
Missouri	40,268	39,809	1.2	32,488	31,810	7,000	7,781	730	176	NM	42
Nebraska	4,664	4,873	-4.3	4,659	3,979	NM	2	NM	2	--	890
North Dakota	956	988	-3.3	NM	2	--	--	--	--	931	986
South Dakota	1,481	1,600	-7.5	1,481	1,600	--	--	--	--	--	--
South Atlantic	1,714,514	1,565,538	9.5	1,296,087	1,188,835	354,882	325,825	3,364	3,027	60,181	47,850
Delaware	45,487	24,377	86.6	335	281	39,385	24,095	--	--	5,768	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--
Florida	1,083,589	1,008,943	7.4	960,145	894,178	90,752	87,098	3,310	2,968	29,383	24,699
Georgia	208,610	187,494	11.3	96,875	82,607	99,521	93,362	--	--	12,215	11,525
Maryland	27,326	33,206	-17.7	--	--	25,094	30,840	NM	*	2,226	2,366
North Carolina	93,267	75,495	23.5	71,572	57,351	18,419	15,714	NM	54	3,235	2,376
South Carolina	101,804	87,881	15.8	86,964	71,450	13,631	15,434	NM	5	1,199	992
Virginia	150,515	145,536	3.4	79,743	82,296	65,842	58,428	--	--	4,929	4,812
West Virginia	3,917	2,607	50.2	454	672	2,238	855	--	--	1,225	1,080
East South Central....	685,716	607,804	12.8	346,811	328,212	297,618	243,658	1,909	1,899	39,377	34,035
Alabama	373,341	307,854	21.3	108,972	105,027	238,271	180,525	--	--	26,098	22,301
Kentucky	19,747	23,592	-16.3	14,107	17,532	1,269	1,737	--	--	4,370	4,323
Mississippi	261,070	255,651	2.1	196,432	188,037	58,078	61,396	NM	383	6,132	5,835
Tennessee	31,557	20,708	52.4	27,299	17,616	--	--	1,481	1,516	2,777	1,576
West South Central....	3,051,181	2,793,250	9.2	792,603	752,403	1,371,640	1,266,369	7,497	7,983	879,441	766,495
Arkansas	111,183	106,283	4.6	23,273	20,214	78,006	76,416	NM	11	9,892	9,641
Louisiana	565,909	541,709	4.5	225,047	197,570	67,647	73,229	NM	608	272,557	270,303
Oklahoma	287,255	297,538	-3.5	216,022	227,597	64,319	63,855	NM	1,702	5,077	4,384
Texas	2,086,834	1,847,719	12.9	328,261	307,022	1,161,669	1,052,869	4,990	5,662	591,914	482,167
Mountain	574,287	645,586	-11.0	323,823	325,020	234,546	304,784	NM	2,490	NM	13,292
Arizona	186,787	227,195	-17.8	83,183	81,038	102,536	145,163	NM	878	NM	117
Colorado	85,940	94,173	-8.7	41,432	32,976	44,185	60,891	NM	69	NM	237
Idaho	10,173	13,648	-25.5	1,829	1,795	6,536	10,596	--	--	1,808	1,257
Montana	386	1,131	-65.9	193	518	188	186	--	--	NM	426
Nevada	166,441	178,549	-6.8	114,497	118,784	49,644	57,391	NM	622	NM	1,752
New Mexico	74,044	72,385	2.3	46,786	46,306	26,384	25,169	NM	907	NM	3
Utah	42,656	50,459	-15.5	35,502	43,250	4,990	5,352	NM	15	NM	1,842
Wyoming	7,859	8,046	-2.3	400	352	85	37	--	--	7,375	7,658
Pacific Contiguous	938,853	1,152,627	-18.5	270,913	353,914	474,991	597,434	NM	37,607	156,557	163,672
California	831,171	958,095	-13.2	222,093	255,810	422,682	507,977	NM	36,152	151,264	158,155
Oregon	62,459	111,878	-44.2	20,090	41,942	40,236	66,695	--	--	2,133	3,241
Washington	45,224	82,654	-45.3	28,730	56,162	12,072	22,761	1,261	1,454	3,160	2,276
Pacific Noncontiguous.....	41,516	39,137	6.1	40,742	38,178	--	--	NM	15	749	944
Alaska	41,516	39,137	6.1	40,742	38,178	--	--	NM	15	749	944
Hawaii	--	--	--	--	--	--	--	--	--	--	--
U.S. Total.....	9,025,066	8,673,070	4.1	3,426,360	3,327,919	4,267,688	4,119,103	86,871	90,130	1,244,147	1,135,917

* = Value is less than half of the 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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values for 2001 forward do not include blast furnace gas or other gas. • Mcf = thousand cubic feet.

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 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	W	W	W	3.24	3.75	W	W
Connecticut	--	W	W	--	--	--	W
Maine	W	W	W	--	--	W	W
Massachusetts	4.51	4.21	7.1	--	--	4.51	4.21
New Hampshire	3.24	3.75	-13.6	3.24	3.75	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.55	2.56	-4	NM	2.72	2.55	2.53
New Jersey	3.55	4.10	-13.4	--	--	3.55	4.10
New York	3.27	3.03	7.9	NM	3.72	3.26	3.03
Pennsylvania	2.48	2.44	1.6	--	2.72	2.48	2.37
East North Central	2.33	2.06	12.8	2.51	2.15	2.00	1.83
Illinois	1.74	1.75	-6	1.99	2.17	1.71	1.57
Indiana	W	W	W	2.51	2.24	W	W
Michigan	W	W	W	2.93	1.96	W	W
Ohio	2.50	2.27	10.1	2.28	2.18	3.18	2.54
Wisconsin	2.54	2.24	13.4	2.54	2.24	--	--
West North Central	1.64	1.53	7.0	1.64	1.53	--	--
Iowa	1.45	1.29	12.4	1.45	1.29	--	--
Kansas	1.76	1.60	10.0	1.76	1.60	--	--
Minnesota	1.96	1.86	5.4	1.96	1.86	--	--
Missouri	1.71	1.55	10.3	1.71	1.55	--	--
Nebraska	1.45	1.46	-7	1.45	1.46	--	--
North Dakota	1.37	1.45	-5.5	1.37	1.45	--	--
South Dakota	2.10	2.07	1.4	2.10	2.07	--	--
South Atlantic	3.35	3.28	2.2	3.41	3.35	3.04	2.98
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	3.45	W	3.43	3.43	W	3.69
Georgia	3.64	3.71	-1.9	3.64	3.71	--	--
Maryland	3.72	3.64	2.2	--	--	3.72	3.64
North Carolina	3.74	3.50	6.9	3.75	3.53	3.37	3.01
South Carolina	W	W	W	3.93	3.62	W	W
Virginia	3.53	3.35	5.4	3.48	3.30	3.69	3.54
West Virginia	2.43	W	W	2.52	2.46	2.23	W
East South Central	W	W	W	2.64	2.53	W	W
Alabama	W	W	W	2.82	2.80	W	W
Kentucky	2.41	2.29	5.2	2.41	2.29	--	--
Mississippi	W	W	W	3.84	2.81	W	W
Tennessee	2.72	2.62	3.8	2.72	2.62	--	--
West South Central	1.97	1.88	4.7	2.04	1.86	1.88	1.91
Arkansas	W	W	W	2.05	1.75	W	W
Louisiana	W	W	W	2.64	2.52	W	W
Oklahoma	W	W	W	1.86	1.72	W	W
Texas	1.90	1.90	.0	1.98	1.86	1.84	1.92
Mountain	1.72	1.59	8.3	1.78	1.63	1.31	1.27
Arizona	2.05	1.71	19.9	2.05	1.71	--	--
Colorado	W	W	W	1.61	1.58	W	W
Idaho	--	--	--	--	--	--	--
Montana	1.22	W	W	NM	1.48	1.21	W
Nevada	W	W	W	2.46	2.51	W	W
New Mexico	2.10	2.11	-5	2.10	2.11	--	--
Utah	W	W	W	1.71	1.59	W	W
Wyoming	W	W	W	1.49	1.27	W	W
Pacific	2.30	2.20	4.9	1.74	1.65	2.54	2.40
California	W	W	W	--	--	W	W
Oregon	1.75	1.67	4.8	1.75	1.67	--	--
Washington	W	W	W	--	--	W	W
Alaska	W	W	W	1.67	1.49	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.33	2.22	5.0	2.37	2.23	2.22	2.18

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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal synfuel.

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 through December 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2011	2010	Percent Change	2011	2010	2011	2010
New England	3.84	3.45	11.5	3.56	3.80	3.97	3.35
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	3.19	W	--	--	W	3.19
New Hampshire	3.56	3.80	-6.3	3.56	3.80	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.69	2.53	6.0	4.22	2.66	2.68	2.51
New Jersey	4.17	4.16	.2	--	--	4.17	4.16
New York	3.24	3.02	7.3	4.22	3.76	3.23	3.01
Pennsylvania	2.55	2.40	6.2	--	2.66	2.55	2.34
East North Central	2.31	2.05	12.5	2.47	2.11	2.00	1.91
Illinois	1.73	1.69	2.4	2.01	1.95	1.69	1.64
Indiana	W	W	W	2.47	2.13	W	W
Michigan	W	W	W	2.81	2.09	W	W
Ohio	2.48	2.23	11.2	2.29	2.12	3.08	2.63
Wisconsin	2.51	2.11	19.0	2.51	2.11	--	--
West North Central	1.64	1.49	10.0	1.64	1.49	--	--
Iowa	1.44	1.33	8.3	1.44	1.33	--	--
Kansas	1.75	1.51	15.9	1.75	1.51	--	--
Minnesota	1.94	1.75	10.9	1.94	1.75	--	--
Missouri	1.72	1.58	8.9	1.72	1.58	--	--
Nebraska	1.52	1.41	7.8	1.52	1.41	--	--
North Dakota	1.35	1.25	8.0	1.35	1.25	--	--
South Dakota	2.07	1.95	6.2	2.07	1.95	--	--
South Atlantic	3.41	3.35	2.0	3.47	3.42	3.15	2.98
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.56	3.47	2.6	3.50	3.46	4.35	3.62
Georgia	3.75	3.91	-4.1	3.75	3.91	--	--
Maryland	3.73	3.47	7.5	--	--	3.73	3.47
North Carolina	3.65	3.52	3.7	3.66	3.54	3.46	3.01
South Carolina	W	W	W	3.85	3.71	W	W
Virginia	3.54	3.31	6.9	3.52	3.29	3.61	3.40
West Virginia	2.46	W	W	2.57	2.48	2.23	W
East South Central	2.65	W	W	2.66	2.55	2.25	W
Alabama	W	W	W	2.87	2.81	W	W
Kentucky	2.34	2.26	3.5	2.34	2.26	--	--
Mississippi	W	W	W	3.95	3.20	W	W
Tennessee	2.82	2.64	6.8	2.82	2.64	--	--
West South Central	1.92	1.83	4.8	1.96	1.84	1.88	1.84
Arkansas	W	W	W	1.91	1.71	W	W
Louisiana	W	W	W	2.65	2.40	W	W
Oklahoma	W	W	W	1.76	1.71	W	W
Texas	1.88	1.84	2.2	1.93	1.86	1.84	1.84
Mountain	1.77	W	W	1.80	1.67	1.44	W
Arizona	1.98	1.79	10.6	1.98	1.79	--	--
Colorado	W	W	W	1.72	1.57	W	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.61	1.42	W	W
Nevada	W	W	W	2.60	2.43	W	W
New Mexico	2.07	2.06	.5	2.07	2.06	--	--
Utah	W	W	W	1.78	1.69	W	W
Wyoming	W	W	W	1.43	1.29	W	W
Pacific	2.33	2.22	5.0	1.78	1.64	2.57	2.41
California	W	W	W	--	--	W	W
Oregon	1.79	1.66	7.8	1.79	1.66	--	--
Washington	W	W	W	--	--	W	W
Alaska	W	W	W	1.65	1.46	W	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.38	2.25	5.8	2.41	2.27	2.30	2.20

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal syngas.

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 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	21.47	14.86	44.5	21.98	18.63	21.39	14.69
Connecticut	W	W	W	NM	18.53	W	W
Maine	W	W	W	NM	18.50	W	W
Massachusetts	21.14	17.50	20.8	22.13	18.11	21.02	17.34
New Hampshire	W	W	W	21.82	18.94	W	W
Rhode Island	W	W	W	NM	18.53	W	W
Vermont	NM	18.48	--	NM	18.48	--	--
Middle Atlantic	21.80	16.66	30.9	21.37	15.57	21.84	17.84
New Jersey	22.13	15.29	44.7	NM	15.00	22.02	17.82
New York	21.68	18.15	19.4	21.30	20.04	21.73	17.39
Pennsylvania	22.04	18.06	22.0	NM	18.53	22.04	18.06
East North Central	21.48	18.89	13.7	21.20	18.78	23.57	19.51
Illinois	23.57	19.80	19.0	22.32	19.56	24.37	19.89
Indiana	W	W	W	20.37	18.76	W	W
Michigan	W	W	W	20.71	18.58	W	W
Ohio	22.02	18.96	16.1	22.03	18.96	21.94	18.95
Wisconsin	W	W	W	20.97	18.79	W	W
West North Central	W	18.92	W	21.71	18.91	W	19.65
Iowa	21.64	W	W	21.62	18.57	NM	W
Kansas	21.58	18.78	14.9	21.58	18.78	--	--
Minnesota	W	W	W	23.35	20.67	W	W
Missouri	21.64	18.58	16.5	21.64	18.58	--	--
Nebraska	21.60	19.59	10.3	21.60	19.59	--	--
North Dakota	23.43	19.32	21.3	23.43	19.32	--	--
South Dakota	W	W	W	18.77	18.91	W	W
South Atlantic	22.08	17.19	28.4	22.13	16.75	22.00	18.17
Delaware	W	16.53	W	NM	18.53	W	16.52
District of Columbia	--	W	W	--	--	--	W
Florida	21.77	17.03	27.8	21.77	16.74	NM	17.83
Georgia	22.85	W	W	22.85	18.94	--	W
Maryland	W	18.63	W	NM	18.08	W	18.64
North Carolina	21.69	18.57	16.8	21.70	18.58	NM	18.34
South Carolina	W	16.88	W	22.41	16.88	W	--
Virginia	21.55	15.83	36.1	20.47	14.94	21.66	17.88
West Virginia	W	W	W	22.48	18.50	W	W
East South Central	W	W	W	21.42	18.07	W	W
Alabama	W	W	W	21.58	17.52	W	W
Kentucky	21.78	18.46	18.0	21.78	18.46	--	--
Mississippi	NM	15.71	--	NM	15.71	--	--
Tennessee	21.30	18.03	18.1	21.30	18.03	--	--
West South Central	W	17.38	W	22.46	17.08	W	18.18
Arkansas	--	W	W	--	15.97	--	W
Louisiana	W	W	W	NM	8.98	W	W
Oklahoma	NM	18.31	--	NM	18.31	--	--
Texas	W	W	W	22.54	17.85	W	W
Mountain	W	19.76	W	23.10	19.88	W	18.13
Arizona	20.62	19.30	6.8	20.62	19.30	--	--
Colorado	22.58	18.62	21.3	22.58	18.62	--	--
Idaho	NM	19.41	--	NM	19.41	--	--
Montana	W	W	W	NM	14.97	W	W
Nevada	W	W	W	23.83	20.13	W	W
New Mexico	24.89	21.38	16.4	24.89	21.38	--	--
Utah	W	W	W	24.12	18.88	W	W
Wyoming	25.03	20.16	24.2	25.03	20.16	--	--
Pacific	W	W	W	NM	16.47	W	W
California	NM	W	W	NM	21.02	NM	W
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	NM	21.33	W	W
Alaska	22.79	18.81	21.2	22.79	18.81	--	--
Hawaii	W	W	W	21.86	15.97	W	W
U.S. Total	22.00	16.74	31.4	21.89	16.79	22.32	16.62

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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 through December 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2011	2010	Percent Change	2011	2010	2011	2010
New England	19.19	13.50	42.1	22.38	15.37	18.94	13.32
Connecticut	W	14.54	W	21.99	16.97	W	14.52
Maine	W	W	W	22.63	16.47	W	W
Massachusetts	20.10	W	W	22.60	14.43	19.92	W
New Hampshire	W	W	W	22.42	16.40	W	W
Rhode Island	W	W	W	22.45	16.50	W	W
Vermont	21.86	16.43	33.0	21.86	16.43	--	--
Middle Atlantic	19.99	14.04	42.4	18.86	13.11	20.54	15.00
New Jersey	18.28	14.86	23.0	16.32	13.63	19.98	15.82
New York	19.45	13.38	45.4	19.59	13.03	19.35	14.15
Pennsylvania	22.08	15.49	42.5	NM	16.26	22.08	15.49
East North Central	22.31	16.84	32.5	22.17	16.72	23.26	17.31
Illinois	23.74	17.66	34.4	23.06	17.28	24.12	17.79
Indiana	W	W	W	21.82	16.61	W	W
Michigan	W	W	W	22.25	16.73	W	W
Ohio	22.16	16.72	32.5	22.17	16.75	22.11	16.63
Wisconsin	W	W	W	22.50	16.53	W	W
West North Central	W	16.66	W	22.61	16.66	W	17.07
Iowa	22.81	16.58	37.6	22.80	16.56	NM	17.48
Kansas	22.11	16.28	35.8	22.11	16.28	--	--
Minnesota	W	W	W	23.35	16.91	W	W
Missouri	22.04	16.39	34.5	22.04	16.39	--	--
Nebraska	22.91	17.12	33.8	22.91	17.12	--	--
North Dakota	23.42	17.58	33.2	23.42	17.58	--	--
South Dakota	W	W	W	23.34	18.10	W	W
South Atlantic	18.73	12.96	44.6	18.43	12.62	20.98	15.52
Delaware	22.50	16.24	38.5	NM	16.04	22.50	16.24
District of Columbia	W	W	W	--	--	W	W
Florida	17.82	12.39	43.8	17.78	12.25	20.47	16.04
Georgia	W	W	W	22.85	16.94	W	W
Maryland	21.54	15.98	34.8	21.84	15.93	21.53	15.98
North Carolina	22.05	16.49	33.7	22.06	16.49	NM	16.14
South Carolina	W	W	W	21.45	14.66	W	W
Virginia	17.74	13.23	34.1	17.17	12.56	21.72	16.11
West Virginia	W	W	W	23.12	17.09	W	W
East South Central	W	W	W	21.35	15.84	W	W
Alabama	W	W	W	22.04	16.29	W	W
Kentucky	22.74	16.55	37.4	22.74	16.55	--	--
Mississippi	NM	9.94	--	NM	9.94	--	--
Tennessee	21.55	17.04	26.5	21.55	17.04	--	--
West South Central	W	W	W	19.73	12.38	W	W
Arkansas	W	W	W	21.73	16.12	W	W
Louisiana	W	W	W	14.59	9.57	W	W
Oklahoma	14.74	17.88	-17.6	14.74	17.88	--	--
Texas	22.13	W	W	22.02	16.90	22.25	W
Mountain	W	W	W	23.50	17.81	W	W
Arizona	23.16	18.23	27.0	23.16	18.23	--	--
Colorado	W	W	W	22.17	16.69	W	W
Idaho	NM	17.70	--	NM	17.70	--	--
Montana	W	W	W	NM	15.01	W	W
Nevada	W	W	W	23.94	17.92	W	W
New Mexico	24.99	19.43	28.6	24.99	19.43	--	--
Utah	W	W	W	23.61	17.81	W	W
Wyoming	23.66	17.36	36.3	23.66	17.36	--	--
Pacific	W	W	W	21.16	14.64	W	W
California	W	18.12	W	23.77	18.44	W	16.47
Oregon	23.58	16.27	44.9	23.58	16.27	--	--
Washington	W	W	W	26.27	19.87	W	W
Alaska	22.90	17.18	33.3	22.90	17.18	--	--
Hawaii	W	W	W	20.91	14.31	W	W
U.S. Total	20.37	14.12	44.3	20.41	13.94	20.25	14.80

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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Petroleum liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

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 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010
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	1.68	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	NM	2.02	W	W
Ohio	--	--	--	--	--	--	--
Wisconsin	--	1.64	--	--	1.64	--	--
West North Central	--	1.48	--	--	1.48	--	--
Iowa	--	1.69	--	--	1.69	--	--
Kansas	--	1.26	--	--	1.26	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.29	3.62	-36.7	2.29	3.62	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.29	3.62	-36.7	2.29	3.62	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central .....	.51	.78	-34.6	.51	.78	--	--
Alabama	--	--	--	--	--	--	--
Kentucky .....	.51	.78	-34.6	.51	.78	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.14	W	W	2.14	3.06	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	2.14	3.06	-30.1	2.14	3.06	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	W	W	--	--	--	W
Mountain	W	W	W	--	--	W	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific	2.25	2.41	-6.6	--	--	2.25	2.41
California	2.25	2.41	-6.6	--	--	2.25	2.41
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.98	2.53	-21.7	2.11	2.75	1.48	1.63

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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms.

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 through December 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2011	2010	Percent Change	2011	2010	2011	2010
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	--	--	W	W
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	--	W	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.67	1.55	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	2.13	1.70	W	W
Ohio	W	--	W	--	--	W	--
Wisconsin	1.64	1.54	6.5	1.64	1.54	--	--
West North Central	1.63	1.49	9.0	1.63	1.49	--	--
Iowa	1.60	1.85	-13.5	1.60	1.85	--	--
Kansas	1.76	1.24	41.9	1.76	1.24	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	1.21	--	--	1.21	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.82	3.06	24.9	3.82	3.06	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.82	3.07	24.4	3.82	3.07	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	.90	--	--	.90	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central .....	.53	.79	-32.9	.53	.79	--	--
Alabama	--	--	--	--	--	--	--
Kentucky .....	.53	.79	-32.9	.53	.79	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	W	W	W	3.08	2.59	W	W
Arkansas	--	--	--	--	--	--	--
Louisiana	3.08	2.59	18.9	3.08	2.59	--	--
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	2.60	2.09	24.4	--	--	2.60	2.09
California	2.60	2.09	24.4	--	--	2.60	2.09
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.69	2.24	20.1	2.91	2.38	1.78	1.74

W = Withheld to avoid disclosure of individual company data.

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms.

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 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	Dec 2011	Dec 2010	Percent Change	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	4.14	7.64	-45.9	NM	7.82	4.13	7.64
Connecticut.....	4.12	7.43	-44.5	NM	6.99	4.12	7.44
Maine.....	W	W	W	--	--	W	W
Massachusetts	3.97	7.93	-49.9	NM	8.84	3.96	7.92
New Hampshire	W	W	W	11.30	6.81	W	W
Rhode Island	4.27	7.49	-43.0	--	--	4.27	7.49
Vermont.....	4.21	5.55	-24.1	4.21	5.55	--	--
Middle Atlantic	4.34	7.05	-38.4	4.98	6.88	4.26	7.09
New Jersey	4.37	7.01	-37.7	--	--	4.37	7.01
New York	4.70	6.93	-32.2	4.98	6.88	4.60	6.96
Pennsylvania.....	3.91	7.25	-46.1	NM	5.49	3.91	7.26
East North Central	3.80	4.86	-21.7	3.76	4.99	3.82	4.80
Illinois.....	3.69	4.88	-24.4	NM	6.92	3.64	4.83
Indiana.....	W	4.58	W	3.68	4.80	W	4.20
Michigan.....	4.10	4.88	-16.0	4.71	6.00	4.08	4.82
Ohio.....	W	4.95	W	3.29	4.75	W	5.05
Wisconsin.....	4.11	5.46	-24.7	4.22	5.96	3.99	4.99
West North Central	4.72	5.76	-18.0	4.62	5.76	5.59	5.80
Iowa.....	7.06	W	W	7.06	6.09	--	W
Kansas	4.29	5.01	-14.4	4.29	5.01	--	--
Minnesota	W	W	W	4.73	6.61	W	W
Missouri.....	W	W	W	4.10	5.27	W	W
Nebraska.....	W	W	W	9.95	10.64	W	W
North Dakota	NM	5.99	--	NM	5.99	--	--
South Dakota	NM	6.85	--	NM	6.85	--	--
South Atlantic	4.79	6.56	-26.9	5.05	6.80	3.83	5.72
Delaware.....	W	W	W	NM	5.55	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	5.33	6.60	-19.2	5.48	6.67	3.32	5.83
Georgia	3.82	5.07	-24.7	3.68	4.72	3.96	5.31
Maryland	4.47	7.26	-38.4	--	--	4.47	7.26
North Carolina	W	W	W	5.16	9.32	W	W
South Carolina	W	W	W	3.42	5.65	W	W
Virginia.....	3.78	7.62	-50.4	3.85	9.59	3.70	5.86
West Virginia.....	4.64	4.74	-2.1	3.86	4.77	4.93	4.71
East South Central	3.52	4.68	-24.7	3.56	4.63	3.50	4.74
Alabama	3.51	4.75	-26.1	3.60	4.63	3.48	4.81
Kentucky	W	W	W	7.82	5.16	W	W
Mississippi.....	W	W	W	3.24	4.59	W	W
Tennessee	4.47	4.45	.4	4.47	4.45	--	--
West South Central	3.51	4.48	-21.7	3.61	4.52	3.47	4.46
Arkansas	W	W	W	3.68	5.47	W	W
Louisiana	3.50	4.48	-21.9	3.56	4.56	3.38	4.33
Oklahoma	W	W	W	3.78	4.57	W	W
Texas	3.48	4.46	-22.0	3.53	4.39	3.47	4.48
Mountain	4.09	5.08	-19.5	4.22	5.37	3.87	4.70
Arizona	4.37	5.04	-13.3	4.87	5.98	3.76	4.41
Colorado	4.06	5.09	-20.2	4.09	5.11	4.02	5.07
Idaho.....	W	W	W	6.04	8.50	W	W
Montana.....	W	W	W	NM	5.18	W	W
Nevada.....	4.10	5.46	-24.9	4.20	5.71	NM	4.79
New Mexico	W	W	W	3.99	4.79	W	W
Utah.....	W	W	W	3.64	4.37	W	W
Wyoming.....	W	W	W	NM	5.29	W	W
Pacific	4.11	4.85	-15.3	4.38	5.09	3.92	4.70
California.....	4.09	4.81	-15.0	4.31	4.95	3.97	4.74
Oregon.....	3.51	W	W	3.57	4.56	3.47	W
Washington.....	4.86	W	W	4.97	6.78	4.45	W
Alaska.....	4.87	4.71	3.4	4.87	4.71	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.06	5.56	-27.0	4.39	5.64	3.82	5.49

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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately.

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 through December 2011 and 2010
(Dollars per Million Btu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	2011	2010	Percent Change	2011	2010	2011	2010
New England	4.94	5.37	-8.0	5.69	5.37	4.93	5.37
Connecticut	4.98	5.60	-11.1	NM	5.48	4.98	5.60
Maine	W	W	W	--	--	W	W
Massachusetts	4.88	5.26	-7.2	5.73	5.21	4.87	5.26
New Hampshire	W	W	W	6.01	5.66	W	W
Rhode Island	5.01	5.37	-6.7	--	--	5.01	5.37
Vermont	5.22	5.69	-8.3	5.22	5.69	--	--
Middle Atlantic	5.13	5.46	-6.1	5.28	5.50	5.11	5.46
New Jersey	5.10	5.52	-7.6	--	--	5.10	5.52
New York	5.42	5.62	-3.6	5.28	5.50	5.48	5.68
Pennsylvania	4.74	5.14	-7.8	NM	5.16	4.74	5.14
East North Central	4.62	4.98	-7.2	4.70	5.26	4.59	4.87
Illinois	4.84	5.09	-4.9	NM	5.66	4.76	5.01
Indiana	4.46	4.87	-8.4	4.41	4.91	4.57	4.83
Michigan	4.71	4.91	-4.1	5.16	5.78	4.66	4.78
Ohio	4.44	4.87	-8.8	4.48	4.84	4.42	4.88
Wisconsin	4.85	5.37	-9.7	5.20	5.55	4.51	5.08
West North Central	5.07	5.44	-6.8	5.05	5.47	5.20	5.25
Iowa	W	W	W	5.40	5.64	W	W
Kansas	4.67	4.97	-6.0	4.67	4.97	--	--
Minnesota	W	W	W	5.51	5.96	W	W
Missouri	W	W	W	4.92	5.20	W	W
Nebraska	W	W	W	5.63	7.12	W	W
North Dakota	NM	6.31	--	NM	6.31	--	--
South Dakota	5.13	5.45	-5.9	5.13	5.45	--	--
South Atlantic	5.39	6.04	-10.6	5.57	6.23	4.77	5.34
Delaware	W	W	W	NM	5.15	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	5.71	6.43	-11.2	5.83	6.51	4.45	5.62
Georgia	4.63	5.09	-9.0	4.51	4.98	4.75	5.19
Maryland	5.27	5.58	-5.6	--	--	5.27	5.58
North Carolina	W	W	W	5.86	6.49	W	W
South Carolina	4.30	W	W	4.25	4.77	4.59	W
Virginia	4.95	5.55	-10.8	4.89	5.56	5.03	5.55
West Virginia	4.74	4.95	-4.2	4.78	4.87	4.73	5.02
East South Central	4.34	4.82	-10.0	4.41	4.86	4.25	4.75
Alabama	4.29	4.75	-9.7	4.40	4.76	4.24	4.75
Kentucky	W	W	W	5.99	5.82	W	W
Mississippi	W	W	W	4.28	4.82	W	W
Tennessee	4.61	4.95	-6.9	4.61	4.95	--	--
West South Central	4.30	4.62	-6.8	4.39	4.69	4.25	4.59
Arkansas	4.62	5.00	-7.6	5.58	6.19	4.34	4.69
Louisiana	4.31	4.67	-7.7	4.35	4.68	4.16	4.65
Oklahoma	4.42	4.68	-5.6	4.45	4.73	4.33	4.53
Texas	4.26	4.57	-6.8	4.30	4.57	4.25	4.58
Mountain	4.80	5.02	-4.4	4.98	5.33	4.55	4.70
Arizona	4.93	4.77	3.4	5.52	5.33	4.45	4.46
Colorado	4.80	5.03	-4.6	4.83	4.99	4.77	5.05
Idaho	W	W	W	5.41	6.26	W	W
Montana	W	W	W	5.00	5.24	W	W
Nevada	4.82	5.57	-13.5	4.96	5.94	4.50	4.81
New Mexico	W	W	W	4.82	4.87	W	W
Utah	W	W	W	4.18	4.34	W	W
Wyoming	W	W	W	5.29	5.67	W	W
Pacific	4.62	4.84	-4.6	4.90	5.00	4.45	4.74
California	4.60	4.87	-5.5	4.88	5.01	4.46	4.80
Oregon	W	4.46	W	4.04	4.50	W	4.44
Washington	W	5.36	W	5.48	5.79	W	4.31
Alaska	4.99	4.33	15.2	4.99	4.33	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.78	5.16	-7.4	5.01	5.43	4.59	4.94

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 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding. • Monetary values are expressed in nominal terms. • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately.

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 2011
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	228	1.0	9.0	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	4	.8	6.8	--	--	--	--	--	--
Massachusetts.....	153	.9	10.3	--	--	--	--	--	--
New Hampshire.....	71	1.2	6.5	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,232	2.9	10.3	54	.3	5.7	--	--	--
New Jersey	78	1.5	9.2	--	--	--	--	--	--
New York.....	263	2.8	10.5	23	.3	5.7	--	--	--
Pennsylvania	2,891	3.0	10.3	31	.3	5.7	--	--	--
East North Central	7,235	2.7	9.5	10,513	.3	4.9	--	--	--
Illinois	454	2.9	9.6	5,750	.2	4.7	--	--	--
Indiana	2,708	2.6	9.0	824	.3	5.1	--	--	--
Michigan	577	1.1	9.3	1,800	.3	5.2	--	--	--
Ohio	3,218	3.1	10.1	459	.3	5.1	--	--	--
Wisconsin.....	278	1.3	8.7	1,680	.3	4.9	--	--	--
West North Central	196	3.2	9.7	11,947	.3	5.0	2,106	.8	10.0
Iowa	48	3.5	7.4	2,244	.3	4.8	--	--	--
Kansas.....	34	3.6	16.2	2,022	.3	5.0	--	--	--
Minnesota.....	8	2.2	10.6	1,512	.4	5.8	--	--	--
Missouri	107	3.0	8.6	4,395	.3	4.9	--	--	--
Nebraska	--	--	--	1,452	.3	4.8	--	--	--
North Dakota.....	--	--	--	93	.3	5.7	2,106	.8	10.0
South Dakota.....	--	--	--	230	.3	5.4	--	--	--
South Atlantic	10,495	1.8	10.7	1,318	.2	4.8	--	--	--
Delaware	45	.8	9.4	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida.....	1,933	2.1	9.2	--	--	--	--	--	--
Georgia.....	1,584	1.3	10.1	1,224	.2	4.8	--	--	--
Maryland.....	537	1.7	11.1	58	.2	4.4	--	--	--
North Carolina.....	1,981	1.1	11.4	--	--	--	--	--	--
South Carolina.....	1,020	1.6	10.1	--	--	--	--	--	--
Virginia	666	1.0	10.0	--	--	--	--	--	--
West Virginia.....	2,730	2.7	11.8	36	.2	4.9	--	--	--
East South Central	5,145	2.4	10.6	2,035	.3	5.0	351	.5	15.1
Alabama	1,034	1.8	10.7	1,110	.3	4.9	--	--	--
Kentucky.....	3,259	2.7	10.8	250	.3	5.2	--	--	--
Mississippi.....	290	1.6	10.2	69	.3	5.0	351	.5	15.1
Tennessee.....	563	1.9	9.2	607	.3	5.3	--	--	--
West South Central	119	1.6	16.3	9,630	.3	5.0	4,060	1.0	16.3
Arkansas.....	13	2.2	10.6	1,480	.3	4.8	--	--	--
Louisiana.....	36	3.0	8.5	986	.3	5.1	351	.6	14.2
Oklahoma.....	70	.8	21.4	1,837	.3	5.0	--	--	--
Texas.....	--	--	--	5,327	.3	5.1	3,709	1.0	16.5
Mountain	2,574	.6	13.4	7,226	.5	9.4	28	.9	14.4
Arizona.....	749	.7	10.5	1,310	.6	8.8	--	--	--
Colorado.....	325	.5	11.3	1,230	.3	5.7	--	--	--
Idaho	17	2.2	10.6	1	.3	5.7	--	--	--
Montana	--	--	--	978	.7	9.4	28	.9	14.4
Nevada	35	.3	9.2	74	.3	5.2	--	--	--
New Mexico.....	521	.7	23.2	891	.8	22.6	--	--	--
Utah.....	883	.5	11.3	49	1.0	9.1	--	--	--
Wyoming.....	44	2.2	10.6	2,693	.5	7.2	--	--	--
Pacific Contiguous	145	2.7	10.2	771	.4	7.3	--	--	--
California	145	2.7	10.2	--	--	--	--	--	--
Oregon	--	--	--	290	.4	5.2	--	--	--
Washington.....	--	--	--	480	.3	8.6	--	--	--
Pacific Noncontiguous	111	.5	7.9	87	.3	5.7	--	--	--
Alaska	--	--	--	87	.3	5.7	--	--	--
Hawaii.....	111	.5	7.9	--	--	--	--	--	--
U.S. Total	29,481	2.2	10.5	43,580	.3	5.8	6,545	.9	14.2

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding.

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

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State, December 2011
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	71	1.2	6.5	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts.....	--	--	--	--	--	--	--	--	--
New Hampshire.....	71	1.2	6.5	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	2	2.8	10.8	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York.....	2	2.8	10.8	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
East North Central	5,985	2.7	9.6	4,464	.3	5.0	--	--	--
Illinois	183	3.5	10.9	320	.2	4.5	--	--	--
Indiana	2,370	2.6	8.7	730	.3	5.2	--	--	--
Michigan	526	1.1	9.3	1,771	.3	5.2	--	--	--
Ohio	2,709	3.3	10.3	--	--	--	--	--	--
Wisconsin.....	198	1.4	8.8	1,643	.3	4.9	--	--	--
West North Central	129	3.1	10.6	11,606	.3	5.0	2,106	.8	10.0
Iowa	3	3.5	7.4	2,058	.3	4.9	--	--	--
Kansas	34	3.6	16.2	2,022	.3	5.0	--	--	--
Minnesota.....	1	2.2	10.6	1,416	.4	5.8	--	--	--
Missouri	90	3.0	8.6	4,395	.3	4.9	--	--	--
Nebraska	--	--	--	1,419	.3	4.8	--	--	--
North Dakota.....	--	--	--	67	.3	5.7	2,106	.8	10.0
South Dakota.....	--	--	--	230	.3	5.4	--	--	--
South Atlantic	8,459	1.7	10.5	1,260	.2	4.8	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida	1,822	2.1	9.1	--	--	--	--	--	--
Georgia.....	1,521	1.3	10.1	1,224	.2	4.8	--	--	--
Maryland.....	--	--	--	--	--	--	--	--	--
North Carolina.....	1,839	1.1	11.4	--	--	--	--	--	--
South Carolina.....	982	1.7	10.1	--	--	--	--	--	--
Virginia	395	.9	9.8	--	--	--	--	--	--
West Virginia.....	1,899	2.4	11.5	36	.2	4.9	--	--	--
East South Central	4,924	2.4	10.7	2,035	.3	5.0	--	--	--
Alabama	988	1.8	10.8	1,110	.3	4.9	--	--	--
Kentucky	3,259	2.7	10.8	250	.3	5.2	--	--	--
Mississippi.....	273	1.6	10.4	69	.3	5.0	--	--	--
Tennessee.....	404	2.2	9.2	607	.3	5.3	--	--	--
West South Central	59	2.0	8.9	6,584	.3	5.0	1,031	1.3	18.7
Arkansas.....	--	--	--	1,253	.3	4.8	--	--	--
Louisiana.....	36	3.0	8.5	542	.3	5.2	351	.6	14.2
Oklahoma.....	23	.5	9.6	1,693	.3	5.0	--	--	--
Texas	--	--	--	3,096	.3	5.1	679	1.7	21.0
Mountain	2,481	.6	13.5	6,109	.5	9.5	28	.9	14.4
Arizona.....	749	.7	10.5	1,275	.6	8.8	--	--	--
Colorado.....	304	.5	11.3	1,230	.3	5.7	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	28	.9	14.4
Nevada	35	.3	9.2	14	.3	5.7	--	--	--
New Mexico.....	521	.7	23.2	891	.8	22.6	--	--	--
Utah.....	872	.5	11.3	49	1.0	9.1	--	--	--
Wyoming.....	--	--	--	2,650	.5	7.2	--	--	--
Pacific Contiguous	--	--	--	290	.4	5.2	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	290	.4	5.2	--	--	--
Washington.....	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	12	.3	5.7	--	--	--
Alaska	--	--	--	12	.3	5.7	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--
U.S. Total	22,111	2.0	10.5	32,361	.3	5.9	3,165	1.0	12.7

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding.

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

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, December 2011
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	149	.9	10.2	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	2	.8	6.8	--	--	--	--	--	--
Massachusetts.....	147	.9	10.3	--	--	--	--	--	--
New Hampshire.....	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	3,135	2.9	10.3	23	.3	5.7	--	--	--
New Jersey	78	1.5	9.2	--	--	--	--	--	--
New York.....	220	3.0	10.5	23	.3	5.7	--	--	--
Pennsylvania	2,838	3.0	10.3	--	--	--	--	--	--
East North Central	884	2.5	9.5	5,903	.2	4.7	--	--	--
Illinois	87	1.0	7.4	5,336	.2	4.7	--	--	--
Indiana	310	3.1	10.8	94	.2	4.8	--	--	--
Michigan	21	1.6	10.1	14	.2	4.7	--	--	--
Ohio	466	2.5	9.0	459	.3	5.1	--	--	--
Wisconsin.....	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota.....	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--
South Atlantic	1,654	2.3	11.4	58	.2	4.4	--	--	--
Delaware	45	.8	9.4	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida	78	1.4	11.2	--	--	--	--	--	--
Georgia.....	--	--	--	--	--	--	--	--	--
Maryland.....	500	1.6	10.4	58	.2	4.4	--	--	--
North Carolina.....	88	1.1	11.4	--	--	--	--	--	--
South Carolina.....	12	1.7	10.1	--	--	--	--	--	--
Virginia	128	.8	10.4	--	--	--	--	--	--
West Virginia.....	802	3.2	12.4	--	--	--	--	--	--
East South Central	25	2.4	9.1	--	--	--	351	.5	15.1
Alabama	8	1.8	10.7	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	17	2.7	8.3	--	--	--	351	.5	15.1
Tennessee.....	--	--	--	--	--	--	--	--	--
West South Central	47	.9	28.0	2,998	.3	5.0	3,029	.9	15.6
Arkansas.....	--	--	--	226	.3	5.0	--	--	--
Louisiana.....	--	--	--	445	.3	5.0	--	--	--
Oklahoma.....	47	.9	28.0	96	.2	4.7	--	--	--
Texas	--	--	--	2,231	.3	5.0	3,029	.9	15.6
Mountain	21	.5	11.5	1,080	.7	9.1	--	--	--
Arizona.....	--	--	--	--	--	--	--	--	--
Colorado.....	21	.5	11.5	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	978	.7	9.4	--	--	--
Nevada	--	--	--	60	.3	5.1	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	43	.5	7.1	--	--	--
Pacific Contiguous	79	1.6	10.3	469	.3	8.7	--	--	--
California	79	1.6	10.3	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	469	.3	8.7	--	--	--
Pacific Noncontiguous	104	.5	7.9	20	.3	5.7	--	--	--
Alaska	--	--	--	20	.3	5.7	--	--	--
Hawaii.....	104	.5	7.9	--	--	--	--	--	--
U.S. Total	6,098	2.6	10.5	10,552	.3	5.4	3,380	.9	15.5

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Totals may not equal sum of components because of independent rounding.

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

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Combined Heat and Power Producers by State, December 2011
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--
Massachusetts.....	--	--	--	--	--	--	--	--	--
New Hampshire.....	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	2	2.9	10.5	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York.....	*	2.8	10.8	--	--	--	--	--	--
Pennsylvania	2	3.0	10.4	--	--	--	--	--	--
East North Central	42	2.1	8.4	--	--	--	--	--	--
Illinois	8	3.2	9.1	--	--	--	--	--	--
Indiana	19	2.6	9.0	--	--	--	--	--	--
Michigan	9	.6	6.4	--	--	--	--	--	--
Ohio	--	--	--	--	--	--	--	--	--
Wisconsin.....	6	1.3	8.7	--	--	--	--	--	--
West North Central	28	3.3	7.7	--	--	--	--	--	--
Iowa	20	3.5	7.4	--	--	--	--	--	--
Kansas.....	--	--	--	--	--	--	--	--	--
Minnesota.....	--	--	--	--	--	--	--	--	--
Missouri	7	2.8	8.6	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--
South Atlantic	12	1.1	11.0	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida.....	--	--	--	--	--	--	--	--	--
Georgia.....	--	--	--	--	--	--	--	--	--
Maryland.....	--	--	--	--	--	--	--	--	--
North Carolina.....	9	1.1	11.4	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	--	--	--
Virginia	3	.9	10.0	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--
East South Central	5	1.9	9.2	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee.....	5	1.9	9.2	--	--	--	--	--	--
West South Central	--	--	--	--	--	--	--	--	--
Arkansas.....	--	--	--	--	--	--	--	--	--
Louisiana.....	--	--	--	--	--	--	--	--	--
Oklahoma.....	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--	--	--
Arizona.....	--	--	--	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	54	.3	5.7	--	--	--
Alaska	--	--	--	54	.3	5.7	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--
U.S. Total	88	2.3	8.6	54	.3	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 "**").
Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Values include a small number of commercial electricity-only plants. • Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Combined Heat and Power Producers by State, December 2011
(Thousand Tons)

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %	Receipts	Sulfur %	Ash %
New England	8	.9	9.2	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--
Maine	2	.8	6.8	--	--	--	--	--	--
Massachusetts.....	6	.9	10.2	--	--	--	--	--	--
New Hampshire.....	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	92	2.4	10.5	31	.3	5.7	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New York	41	1.8	10.0	--	--	--	--	--	--
Pennsylvania	51	2.8	10.8	31	.3	5.7	--	--	--
East North Central	325	2.7	9.4	146	.5	5.9	--	--	--
Illinois	177	3.3	9.4	93	.6	6.4	--	--	--
Indiana	8	2.6	9.0	--	--	--	--	--	--
Michigan	21	1.0	9.8	16	.3	5.2	--	--	--
Ohio	44	3.3	10.6	--	--	--	--	--	--
Wisconsin.....	75	1.2	8.4	37	.3	5.0	--	--	--
West North Central	39	3.2	8.2	340	.3	5.0	--	--	--
Iowa	24	3.5	7.4	186	.2	4.6	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Minnesota.....	7	2.2	10.6	96	.4	5.9	--	--	--
Missouri	9	3.0	8.6	--	--	--	--	--	--
Nebraska	--	--	--	33	.3	4.8	--	--	--
North Dakota.....	--	--	--	26	.3	5.7	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--
South Atlantic	370	1.3	11.3	--	--	--	--	--	--
Delaware	--	--	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida	32	2.1	9.2	--	--	--	--	--	--
Georgia.....	62	1.0	9.5	--	--	--	--	--	--
Maryland.....	37	2.4	21.6	--	--	--	--	--	--
North Carolina.....	44	1.1	11.4	--	--	--	--	--	--
South Carolina.....	25	1.1	9.2	--	--	--	--	--	--
Virginia	140	1.1	10.0	--	--	--	--	--	--
West Virginia.....	29	1.1	11.5	--	--	--	--	--	--
East South Central	192	1.1	9.1	--	--	--	--	--	--
Alabama	38	1.5	9.1	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Tennessee.....	154	1.0	9.1	--	--	--	--	--	--
West South Central	13	2.2	10.6	48	.3	5.0	*	.6	14.2
Arkansas.....	13	2.2	10.6	--	--	--	--	--	--
Louisiana.....	--	--	--	--	--	--	*	.6	14.2
Oklahoma.....	--	--	--	48	.3	5.0	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Mountain	72	1.9	10.5	37	.6	8.6	--	--	--
Arizona.....	--	--	--	35	.6	8.7	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--
Idaho	17	2.2	10.6	1	.3	5.7	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--
Utah.....	11	.3	9.5	--	--	--	--	--	--
Wyoming.....	44	2.2	10.6	--	--	--	--	--	--
Pacific Contiguous	66	4.0	10.0	11	.3	4.5	--	--	--
California	66	4.0	10.0	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	11	.3	4.5	--	--	--
Pacific Noncontiguous	7	.5	7.9	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Hawaii.....	7	.5	7.9	--	--	--	--	--	--
U.S. Total	1,184	2.0	10.0	613	.4	5.5	*	.6	14.2

* = 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 "**".)
Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 are preliminary. • Values include a small number of industrial electricity-only plants. • Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Chapter 5. Retail Sales, Revenue, and Average Retail Price of Electricity

Table 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 1997 through December 2011
(Million Kilowatthours)

Period	Residential	Commercial	Industrial	Transportation ¹	Other	All Sectors
1997.....	1,075,880	928,633	1,038,197	NA	102,901	3,145,610
1998.....	1,130,109	979,401	1,051,203	NA	103,518	3,264,231
1999.....	1,144,923	1,001,996	1,058,217	NA	106,952	3,312,087
2000.....	1,192,446	1,055,232	1,064,239	NA	109,496	3,421,414
2001.....	1,201,607	1,083,069	996,609	NA	113,174	3,394,458
2002.....	1,265,180	1,104,497	990,238	NA	105,552	3,465,466
2003.....	1,275,824	1,198,728	1,012,373	6,810	--	3,493,734
2004.....	1,291,982	1,230,425	1,017,850	7,224	--	3,547,479
2005.....	1,359,227	1,275,079	1,019,156	7,506	--	3,660,969
2006.....	1,351,520	1,299,744	1,011,298	7,358	--	3,669,919
2007.....	1,392,241	1,336,315	1,027,832	8,173	--	3,764,561
2008.....	1,379,981	1,335,981	1,009,300	7,700	--	3,732,962
2009						
January	136,080	109,523	75,003	774	--	321,379
February	115,536	99,358	71,304	672	--	286,869
March	106,544	102,646	73,913	671	--	283,773
April	91,473	100,020	73,662	611	--	265,766
May	94,180	105,215	75,198	599	--	275,193
June	114,347	114,752	75,246	611	--	304,956
July	137,681	121,608	78,045	674	--	338,009
August	138,447	123,662	82,298	644	--	345,051
September.....	115,372	115,027	80,022	638	--	311,059
October.....	98,522	108,635	79,584	607	--	287,348
November.....	92,722	98,646	75,917	592	--	267,877
December.....	123,570	108,076	77,251	688	--	309,585
Total.....	1,364,474	1,307,168	917,442	7,781	--	3,596,865
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
September.....	124,582	119,137	83,353	639	--	327,711
October.....	96,688	108,461	82,046	615	--	287,811
November.....	93,166	101,524	79,575	607	--	274,871
December.....	130,015	108,031	80,264	633	--	318,943
Total.....	1,445,708	1,330,199	970,873	7,712	--	3,754,493
2011						
January	144,911	107,884	79,055	710	--	332,561
February	120,685	99,368	75,223	633	--	295,909
March	105,065	103,507	80,817	655	--	290,044
April	94,069	100,019	79,099	618	--	273,805
May	97,755	106,841	80,741	615	--	285,951
June	126,008	117,460	82,775	637	--	326,881
July	154,888	127,139	85,907	645	--	368,580
August	153,688	128,200	87,565	620	--	370,073
September.....	122,842	117,403	83,311	630	--	324,186
October.....	94,576	107,655	82,860	608	--	285,699
November.....	93,126	99,782	79,561	584	--	273,053
December.....	116,087	104,030	78,655	649	--	299,421
Total.....	1,423,700	1,319,288	975,569	7,606	--	3,726,163
Year to Date						
2009.....	1,364,474	1,307,168	917,442	7,781	--	3,596,865
2010.....	1,445,708	1,330,199	970,873	7,712	--	3,754,493
2011.....	1,423,700	1,319,288	975,569	7,606	--	3,726,163
Rolling 12 Months Ending in December						
2010.....	1,445,708	1,330,199	970,873	7,712	--	3,754,493
2011.....	1,423,700	1,319,288	975,569	7,606	--	3,726,163

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

NA = Not available.

Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Sales values for 1996-2011 include energy service provider (power marketer) data. • Values for 2010 and prior years are final. • Values for 2011 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. • Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. • Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. • Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.

Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.2. Revenue from Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 1997 through December 2011
(Million Dollars)

Period	Residential	Commercial	Industrial ¹	Transportation ¹	Other	All Sectors
1997.....	90,704	70,497	47,023	NA	7,110	215,334
1998.....	93,360	72,575	47,050	NA	6,863	219,848
1999.....	93,483	72,771	46,846	NA	6,796	219,896
2000.....	98,209	78,405	49,369	NA	7,179	233,163
2001.....	103,158	85,741	50,293	NA	8,151	247,343
2002.....	106,834	87,117	48,336	NA	7,124	249,411
2003.....	111,249	96,263	51,741	514	--	259,767
2004.....	115,577	100,546	53,477	519	--	270,119
2005.....	128,393	110,522	58,445	643	--	298,003
2006.....	140,582	122,914	62,308	702	--	326,506
2007.....	148,295	128,903	65,712	792	--	343,703
2008.....	155,433	138,469	68,920	827	--	363,650
2009						
January	14,902	10,912	5,164	81	--	31,058
February	12,882	10,077	4,916	70	--	27,945
March	12,038	10,269	4,994	71	--	27,371
April	10,531	9,912	4,930	64	--	25,438
May	11,082	10,595	5,108	67	--	26,852
June	13,496	12,011	5,323	65	--	30,896
July	16,316	12,881	5,533	74	--	34,804
August	16,552	13,041	5,822	68	--	35,483
September.....	13,792	12,035	5,535	68	--	31,430
October.....	11,484	11,050	5,282	66	--	27,883
November.....	10,473	9,681	4,881	62	--	25,097
December.....	13,462	10,476	5,015	72	--	29,025
Total.....	157,008	132,940	62,504	828	--	353,280
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
September.....	14,890	12,533	5,831	67	--	33,321
October.....	11,471	11,118	5,576	65	--	28,230
November.....	10,828	10,144	5,219	64	--	26,254
December.....	14,384	10,608	5,295	66	--	30,353
Total.....	166,782	135,559	65,750	815	--	368,906
2011						
January	15,867	10,624	5,207	74	--	31,772
February	13,425	10,005	5,036	68	--	28,535
March	12,180	10,366	5,337	68	--	27,951
April	11,053	10,055	5,220	63	--	26,391
May	11,742	10,978	5,451	66	--	28,237
June	15,181	12,630	5,966	71	--	33,848
July	18,842	13,694	6,345	73	--	38,954
August	18,681	13,876	6,533	68	--	39,158
September.....	15,052	12,529	6,022	69	--	33,672
October.....	11,476	11,088	5,654	63	--	28,281
November.....	11,063	10,042	5,249	59	--	26,412
December.....	13,369	10,251	5,190	64	--	28,875
Total.....	167,930	136,138	67,212	805	--	372,084
Year to Date						
2009.....	157,008	132,940	62,504	828	--	353,280
2010.....	166,782	135,559	65,750	815	--	368,906
2011.....	167,930	136,138	67,212	805	--	372,084
Rolling 12 Months Ending in December						
2010.....	166,782	135,559	65,750	815	--	368,906
2011.....	167,930	136,138	67,212	805	--	372,084

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

NA = Not available.

Notes: • See Glossary for definitions. • Geographic coverage is the 50 States and the District of Columbia. • Revenue values for 1996-2011 include energy service provider (power marketer) data. • Values for 2010 and prior years are final. • Values for 2011 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. • Values for 1996 in the commercial and industrial sectors reflect an electric utility's reclassification for this information by Standard Industrial Classification. • 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. • Totals may not equal sum of components because of independent rounding.

Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 1997 through December 2011
(Cents per Kilowatthour)

Period	Residential	Commercial	Industrial ¹	Transportation ¹	Other	All Sectors
1997.....	8.43	7.59	4.53	NA	6.91	6.85
1998.....	8.26	7.41	4.48	NA	6.63	6.74
1999.....	8.16	7.26	4.43	NA	6.35	6.64
2000.....	8.24	7.43	4.64	NA	6.56	6.81
2001.....	8.58	7.92	5.05	NA	7.20	7.29
2002.....	8.44	7.89	4.88	NA	6.75	7.20
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						
January	10.95	9.96	6.88	10.42	--	9.66
February	11.15	10.14	6.89	10.47	--	9.74
March	11.30	10.00	6.76	10.55	--	9.65
April	11.51	9.91	6.69	10.48	--	9.57
May	11.77	10.07	6.79	11.18	--	9.76
June	11.80	10.47	7.07	10.69	--	10.13
July	11.85	10.59	7.09	11.02	--	10.30
August	11.96	10.55	7.07	10.61	--	10.28
September.....	11.95	10.46	6.92	10.61	--	10.10
October	11.66	10.17	6.64	10.84	--	9.70
November.....	11.30	9.81	6.43	10.50	--	9.37
December.....	10.89	9.69	6.49	10.47	--	9.38
Total.....	11.51	10.17	6.81	10.65	--	9.82
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
September.....	11.95	10.52	7.00	10.53	--	10.17
October	11.86	10.25	6.80	10.49	--	9.81
November.....	11.62	9.99	6.56	10.47	--	9.55
December.....	11.06	9.82	6.60	10.39	--	9.52
Total.....	11.54	10.19	6.77	10.57	--	9.83
2011						
January	10.95	9.85	6.59	10.39	--	9.55
February	11.12	10.07	6.70	10.69	--	9.64
March	11.59	10.01	6.60	10.35	--	9.64
April	11.75	10.05	6.60	10.14	--	9.64
May	12.01	10.27	6.75	10.80	--	9.87
June	12.05	10.75	7.21	11.12	--	10.35
July	12.16	10.77	7.39	11.32	--	10.57
August	12.15	10.82	7.46	10.93	--	10.58
September.....	12.25	10.67	7.23	10.88	--	10.39
October	12.13	10.30	6.82	10.37	--	9.90
November.....	11.88	10.06	6.60	10.04	--	9.67
December.....	11.52	9.85	6.60	9.90	--	9.64
Total.....	11.80	10.32	6.89	10.58	--	9.99
Year to Date						
2009.....	11.51	10.17	6.81	10.65	--	9.82
2010.....	11.54	10.19	6.77	10.57	--	9.83
2011.....	11.80	10.32	6.89	10.58	--	9.99
Rolling 12 Months Ending in December						
2010.....	11.54	10.19	6.77	10.57	--	9.83
2011.....	11.80	10.32	6.89	10.58	--	9.99

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

NA = Not available.

Notes: • See Glossary for definitions. • Prices are calculated by dividing revenue by sales. Revenue may not correspond to sales for a particular month because of energy service provider billing and accounting procedures. That lack of correspondence could result in uncharacteristic increases or decreases in the monthly prices. • Geographic coverage is the 50 States and the District of Columbia. • Average Retail Price values for 1996-2010 include energy service provider (power marketer) data. • Values for 2010 and prior years are final. • Values for 2011 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. • Values for 1996 in the commercial and industrial sectors reflect an electric utility's reclassification for this information by Standard Industrial Classification. • 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 imported electricity). • Totals may not equal sum of components because of independent rounding.

Sources: 2006-2008: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions Report;" 1992-2005: Form EIA-861, "Annual Electric Power Industry Report."

Table 5.4.A. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, December 2011 and 2010
(Million Kilowatthours)

Census Division and State	Residential		Commercial ¹		Industrial ¹		Transportation ¹		All Sectors	
	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England	4,000	4,418	3,638	3,844	2,183	2,220	46	55	9,868	10,537
Connecticut	1,061	1,187	1,019	1,096	277	280	14	19	2,370	2,582
Maine	403	431	336	361	236	238	--	--	975	1,031
Massachusetts.....	1,712	1,921	1,459	1,528	1,324	1,339	31	34	4,525	4,823
New Hampshire.....	362	391	347	362	153	154	--	--	862	906
Rhode Island.....	260	275	308	323	73	80	2	2	643	680
Vermont	203	211	170	174	121	130	--	--	493	515
Middle Atlantic	10,900	12,225	12,726	13,594	5,589	5,641	358	301	29,573	31,761
New Jersey.....	2,169	2,446	3,086	3,309	593	662	16	27	5,865	6,444
New York.....	4,041	4,417	6,068	6,321	1,050	1,105	245	261	11,404	12,105
Pennsylvania.....	4,690	5,362	3,572	3,964	3,945	3,873	97	13	12,304	13,211
East North Central	16,950	18,833	14,750	15,068	16,019	16,823	50	71	47,769	50,794
Illinois.....	3,857	4,383	4,097	4,342	3,638	3,717	44	63	11,636	12,505
Indiana.....	2,962	3,528	1,865	1,992	3,869	3,861	2	2	8,698	9,383
Michigan.....	3,216	3,200	3,058	2,827	2,519	2,973	1	*	8,795	9,000
Ohio.....	4,854	5,511	3,779	3,953	4,099	4,371	4	5	12,735	13,840
Wisconsin.....	2,061	2,211	1,951	1,955	1,894	1,899	--	--	5,905	6,065
West North Central	9,616	10,584	8,063	8,422	7,126	7,052	3	4	24,808	26,062
Iowa.....	1,400	1,479	1,026	1,059	1,625	1,523	--	--	4,051	4,062
Kansas.....	1,155	1,215	1,217	1,205	849	846	--	--	3,221	3,266
Minnesota.....	2,089	2,233	1,842	1,926	1,854	1,920	2	2	5,786	6,081
Missouri.....	3,072	3,636	2,423	2,600	1,385	1,402	2	2	6,881	7,640
Nebraska.....	969	1,008	749	802	824	817	--	--	2,543	2,628
North Dakota.....	490	530	437	445	385	347	--	--	1,312	1,322
South Dakota.....	442	483	369	386	205	196	--	--	1,015	1,065
South Atlantic	27,324	34,062	23,534	25,467	11,040	11,267	105	114	62,003	70,910
Delaware.....	346	398	325	348	218	199	--	--	888	945
District of Columbia.....	162	199	700	768	18	21	25	28	905	1,016
Florida.....	7,846	9,408	7,002	7,129	1,375	1,420	7	7	16,230	17,965
Georgia.....	4,362	5,348	3,573	3,875	2,487	2,470	14	14	10,436	11,708
Maryland.....	2,231	2,833	2,466	2,631	401	408	43	46	5,141	5,918
North Carolina.....	4,783	6,051	3,456	3,896	2,062	2,010	1	1	10,302	11,957
South Carolina.....	2,398	3,113	1,591	1,844	2,216	2,199	--	--	6,205	7,157
Virginia.....	4,042	5,216	3,774	4,247	1,326	1,500	16	17	9,159	10,981
West Virginia.....	1,154	1,495	647	727	936	1,040	* ²	* ²	2,736	3,263
East South Central	9,191	11,730	6,241	6,868	10,227	10,371	*	*	25,659	28,969
Alabama.....	2,154	3,246	1,669	1,823	2,725	2,747	--	--	6,548	7,815
Kentucky.....	2,335	3,045	1,412	1,727	3,866	3,942	--	--	7,613	8,714
Mississippi.....	1,418	1,552	1,011	1,040	1,354	1,305	--	--	3,783	3,897
Tennessee.....	3,285	3,887	2,149	2,279	2,282	2,377	* ²	* ²	7,716	8,543
West South Central	15,676	15,824	13,500	13,023	12,569	12,774	6	6	41,751	41,628
Arkansas.....	1,418	1,526	877	897	1,342	1,341	* ²	* ²	3,637	3,765
Louisiana.....	2,253	2,379	1,802	1,815	2,526	2,334	1	1	6,582	6,529
Oklahoma.....	1,941	1,999	1,475	1,445	1,283	1,264	--	--	4,699	4,708
Texas.....	10,064	9,920	9,345	8,865	7,419	7,827	5	6	26,833	26,617
Mountain	8,192	7,784	7,508	7,237	6,544	6,334	9	8	22,253	21,363
Arizona.....	2,449	2,201	2,260	2,106	1,000	933	--	--	5,709	5,240
Colorado.....	1,649	1,560	1,610	1,593	1,241	1,262	5	4	4,505	4,420
Idaho.....	939	937	529	519	547	554	--	--	2,015	2,010
Montana.....	513	535	429	421	317	323	--	--	1,259	1,279
Nevada.....	865	848	709	677	1,107	1,029	1	1	2,682	2,555
New Mexico.....	646	605	719	690	588	553	--	--	1,953	1,847
Utah.....	833	797	874	845	819	773	3	3	2,530	2,418
Wyoming.....	297	300	377	389	926	904	--	--	1,600	1,593
Pacific Contiguous	13,771	14,064	13,549	13,969	6,939	7,355	71	74	34,329	35,462
California.....	7,736	7,966	9,561	10,111	3,645	4,158	67	71	21,009	22,306
Oregon.....	2,167	2,195	1,383	1,264	972	928	2	2	4,524	4,389
Washington.....	3,868	3,904	2,605	2,594	2,322	2,269	1	1	8,796	8,767
Pacific Noncontiguous	468	491	522	541	419	416	--	--	1,408	1,449
Alaska.....	227	235	257	260	119	112	--	--	603	606
Hawaii.....	241	257	265	282	300	305	--	--	806	843
U.S. Total	116,087	130,015	104,030	108,031	78,655	80,264	649	633	299,421	318,943

¹ 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 2010 are final. Values for 2011 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 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. • 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 2011 and 2010
(Million Kilowatthours)

Census Division and State	Residential		Commercial ¹		Industrial ¹		Transportation ¹		All Sectors	
	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010
New England.....	47,375	48,577	44,713	45,948	27,846	28,237	569	568	120,502	123,331
Connecticut.....	12,972	13,065	13,103	13,428	3,651	3,713	185	186	29,911	30,392
Maine.....	4,375	4,372	4,019	4,101	3,016	3,059	--	--	11,411	11,532
Massachusetts.....	20,349	21,409	17,447	18,243	16,917	17,116	357	355	55,070	57,123
New Hampshire.....	4,459	4,485	4,477	4,462	1,928	1,942	--	--	10,864	10,890
Rhode Island.....	3,107	3,118	3,659	3,693	916	961	27	27	7,710	7,799
Vermont.....	2,112	2,128	2,008	2,021	1,417	1,446	--	--	5,537	5,595
Middle Atlantic.....	135,436	136,506	159,118	164,765	70,629	67,367	4,059	4,130	369,242	372,767
New Jersey.....	29,407	30,307	39,159	40,123	7,888	8,429	305	321	76,759	79,179
New York.....	51,290	50,946	76,338	77,276	13,136	13,480	2,899	2,922	143,663	144,624
Pennsylvania.....	54,739	55,253	43,621	47,366	49,605	45,458	855	887	148,820	148,964
East North Central.....	191,192	195,096	182,938	183,452	199,408	198,133	576	621	574,114	577,302
Illinois.....	47,039	48,583	50,395	51,437	44,005	44,180	516	560	141,955	144,761
Indiana.....	33,692	35,058	24,365	24,365	47,113	46,552	21	20	104,721	105,994
Michigan.....	34,880	34,681	38,590	38,123	31,156	30,841	5	5	104,632	103,649
Ohio.....	53,324	54,474	47,022	46,526	53,731	53,109	34	36	154,111	154,145
Wisconsin.....	22,257	22,299	23,035	23,001	23,403	23,452	--	--	68,695	68,752
West North Central.....	106,564	107,783	99,134	100,021	87,486	86,064	40	44	293,224	293,913
Iowa.....	14,529	14,555	11,986	12,025	19,345	18,865	--	--	45,860	45,445
Kansas.....	14,294	14,334	15,598	15,436	10,791	10,651	--	--	40,683	40,421
Minnesota.....	22,686	22,465	22,251	22,515	22,949	22,798	18	22	67,904	67,800
Missouri.....	35,748	37,302	30,925	31,431	17,143	17,330	22	22	83,837	86,085
Nebraska.....	10,062	10,107	9,148	9,532	10,478	10,210	--	--	29,688	29,849
North Dakota.....	4,559	4,393	4,857	4,714	4,294	3,850	--	--	13,710	12,956
South Dakota.....	4,686	4,628	4,370	4,368	2,487	2,360	--	--	11,542	11,356
South Atlantic.....	358,978	375,510	306,338	310,063	140,335	138,538	1,321	1,320	806,973	825,432
Delaware.....	4,658	4,760	4,253	4,320	2,612	2,526	--	--	11,522	11,606
District of Columbia.....	2,061	2,123	8,966	9,209	216	230	319	315	11,562	11,877
Florida.....	117,566	122,245	91,870	91,614	17,285	17,265	85	86	226,806	231,210
Georgia.....	58,929	61,554	47,061	47,897	31,685	31,047	171	173	137,845	140,672
Maryland.....	27,274	28,934	30,748	30,771	5,012	5,083	547	547	63,581	65,335
North Carolina.....	59,056	62,160	46,412	47,932	26,404	26,316	7	7	131,879	136,415
South Carolina.....	31,193	32,852	21,597	22,320	28,143	27,307	--	--	80,933	82,479
Virginia.....	46,470	48,439	47,663	48,037	17,260	17,141	188	189	111,580	113,806
West Virginia.....	11,771	12,443	7,770	7,962	11,719	11,623	4	4	31,264	32,032
East South Central.....	122,044	130,032	83,519	85,598	121,738	122,009	2	2	327,302	337,641
Alabama.....	32,765	35,529	22,356	22,984	33,468	32,350	--	--	88,589	90,863
Kentucky.....	27,194	29,137	18,702	19,411	43,451	45,022	--	--	89,346	93,569
Mississippi.....	19,585	20,175	13,770	13,805	16,436	15,707	--	--	49,790	49,687
Tennessee.....	42,500	45,191	28,692	29,399	28,384	28,930	2	2	99,577	103,522
West South Central.....	218,686	212,760	182,107	176,864	158,297	159,868	80	86	559,169	549,578
Arkansas.....	18,862	19,231	12,176	12,188	17,103	16,775	*	*	48,141	48,194
Louisiana.....	32,669	32,679	24,379	24,203	30,046	28,187	11	11	87,105	85,080
Oklahoma.....	24,190	23,689	19,486	19,005	15,742	15,152	--	--	59,418	57,846
Texas.....	142,965	137,161	126,065	121,467	95,407	99,754	68	74	364,505	358,458
Mountain.....	94,849	93,359	92,792	91,865	80,107	78,018	93	89	267,842	263,330
Arizona.....	33,131	32,448	29,353	28,943	12,128	11,442	--	--	74,612	72,833
Colorado.....	18,323	18,102	19,609	19,597	15,316	15,172	50	46	53,299	52,918
Idaho.....	8,381	8,137	5,943	5,865	8,761	8,796	--	--	23,085	22,798
Montana.....	4,893	4,743	4,880	4,789	4,023	3,891	--	--	13,796	13,423
Nevada.....	11,499	11,615	8,962	8,970	13,418	13,180	8	8	33,887	33,773
New Mexico.....	6,868	6,752	9,167	9,016	6,952	6,660	--	--	22,987	22,428
Utah.....	8,966	8,834	10,537	10,368	9,329	8,808	35	34	28,867	28,044
Wyoming.....	2,789	2,727	4,342	4,317	10,179	10,069	--	--	17,310	17,113
Pacific Contiguous.....	143,517	141,003	162,425	165,439	84,733	87,642	866	853	391,541	394,937
California.....	88,042	87,257	117,523	121,152	44,936	49,301	834	821	251,336	258,531
Oregon.....	19,378	18,839	15,742	15,454	11,986	11,708	25	25	47,131	46,026
Washington.....	36,096	34,907	29,160	28,833	27,812	26,633	7	7	93,075	90,380
Pacific Noncontiguous....	5,060	5,083	6,204	6,184	4,988	4,997	--	--	16,252	16,264
Alaska.....	2,131	2,093	2,836	2,830	1,323	1,324	--	--	6,291	6,247
Hawaii.....	2,929	2,989	3,368	3,355	3,665	3,672	--	--	9,962	10,017
U.S. Total.....	1,423,700	1,445,708	1,319,288	1,330,199	975,569	970,873	7,606	7,712	3,726,163	3,754,493

¹ 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 2010 are final. Values for 2011 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 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. • 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 2011 and 2010
(Million Dollars)

Census Division and State	Residential		Commercial ¹		Industrial ¹		Transportation ¹		All Sectors	
	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England.....	648	705	518	555	275	288	3	4	1,444	1,552
Connecticut.....	193	221	156	174	37	39	2	2	387	437
Maine.....	62	68	42	44	19	24	--	--	122	137
Massachusetts.....	263	277	210	220	180	182	2	2	655	681
New Hampshire.....	60	64	48	51	19	20	--	--	127	135
Rhode Island.....	37	41	39	41	9	9	*	*	85	92
Vermont.....	33	33	24	24	12	13	--	--	69	70
Middle Atlantic.....	1,668	1,833	1,608	1,807	425	463	42	39	3,742	4,140
New Jersey.....	345	395	386	434	63	75	2	3	796	906
New York.....	700	783	878	989	75	94	31	34	1,684	1,900
Pennsylvania.....	623	655	344	384	287	294	9	1	1,262	1,334
East North Central.....	1,942	2,041	1,355	1,352	1,046	1,086	3	5	4,346	4,483
Illinois.....	431	466	333	348	228	242	3	4	995	1,061
Indiana.....	292	329	163	171	239	232	*	*	694	732
Michigan.....	423	385	311	271	186	202	*	*	920	859
Ohio.....	532	588	348	372	257	281	--	*	1,138	1,242
Wisconsin.....	264	271	199	190	136	129	--	--	599	589
West North Central.....	897	944	609	628	411	404	*	*	1,917	1,976
Iowa.....	136	144	74	78	77	78	--	--	287	299
Kansas.....	115	115	102	95	55	53	--	--	272	263
Minnesota.....	216	230	141	158	120	121	*	*	477	510
Missouri.....	267	293	173	179	75	74	--	*	515	546
Nebraska.....	82	81	57	58	47	45	--	--	186	184
North Dakota.....	41	41	34	32	24	20	--	--	99	93
South Dakota.....	40	41	28	28	13	12	--	--	81	81
South Atlantic.....	3,002	3,586	2,237	2,374	726	759	9	11	5,973	6,731
Delaware.....	47	54	33	39	18	19	--	--	98	113
District of Columbia.....	20	27	86	102	1	2	2	3	109	135
Florida.....	913	1,099	706	718	116	130	1	1	1,736	1,947
Georgia.....	447	497	345	353	155	160	1	1	948	1,011
Maryland.....	287	374	268	309	33	40	3	5	591	728
North Carolina.....	481	571	288	306	123	118	*	*	893	995
South Carolina.....	272	315	150	168	131	130	--	--	552	613
Virginia.....	425	518	308	323	89	98	1	1	823	941
West Virginia.....	109	131	53	56	60	62	*	*	222	249
East South Central.....	971	1,114	614	650	628	612	*	*	2,213	2,375
Alabama.....	286	336	178	189	181	167	--	--	645	692
Kentucky.....	213	259	118	136	203	202	--	--	534	597
Mississippi.....	143	150	97	95	86	83	--	--	326	328
Tennessee.....	330	369	221	229	159	160	*	*	709	758
West South Central.....	1,588	1,600	1,121	1,104	706	749	1	1	3,416	3,453
Arkansas.....	123	126	66	63	73	70	*	*	262	259
Louisiana.....	187	195	144	146	128	117	--	*	459	458
Oklahoma.....	163	163	104	104	67	70	--	--	335	337
Texas.....	1,115	1,116	807	791	438	491	1	1	2,360	2,398
Mountain.....	807	749	623	577	363	344	1	1	1,795	1,671
Arizona.....	244	220	196	180	59	56	--	--	499	456
Colorado.....	177	160	145	132	84	81	*	*	406	373
Idaho.....	70	73	30	33	24	25	--	--	124	131
Montana.....	49	48	39	36	16	17	--	--	104	101
Nevada.....	96	98	61	61	57	58	*	*	213	217
New Mexico.....	69	59	62	55	32	29	--	--	163	143
Utah.....	75	65	61	54	41	34	*	*	177	154
Wyoming.....	27	25	30	28	51	44	--	--	108	97
Pacific Contiguous.....	1,718	1,701	1,441	1,450	503	503	5	6	3,667	3,661
California.....	1,183	1,192	1,128	1,160	355	357	5	6	2,670	2,714
Oregon.....	209	192	112	94	53	48	*	*	374	335
Washington.....	326	317	201	196	95	98	*	*	623	611
Pacific Noncontiguous....	127	112	127	111	108	86	--	--	362	310
Alaska.....	40	38	37	36	19	18	--	--	96	92
Hawaii.....	87	75	89	75	89	69	--	--	266	219
U.S. Total.....	13,369	14,384	10,251	10,608	5,190	5,295	64	66	28,875	30,353

¹ 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 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 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. • 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 2011 and 2010
(Million Dollars)

Census Division and State	Residential		Commercial ¹		Industrial ¹		Transportation ¹		All Sectors	
	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010
New England.....	7,570	7,887	6,408	6,765	3,530	3,665	45	48	17,553	18,364
Connecticut	2,350	2,516	2,029	2,208	488	538	19	21	4,886	5,284
Maine	674	687	493	513	269	280	--	--	1,436	1,481
Massachusetts.....	3,016	3,124	2,521	2,651	2,292	2,347	22	23	7,851	8,145
New Hampshire.....	737	732	628	636	238	248	--	--	1,603	1,616
Rhode Island.....	449	496	457	484	104	114	4	4	1,014	1,098
Vermont	344	331	280	272	140	138	--	--	764	741
Middle Atlantic.....	21,484	21,586	21,743	22,958	5,771	5,660	510	510	49,508	50,714
New Jersey.....	4,777	5,022	5,277	5,572	907	995	33	38	10,995	11,627
New York.....	9,385	9,547	12,087	12,603	1,025	1,184	401	402	22,898	23,735
Pennsylvania.....	7,322	7,017	4,379	4,783	3,838	3,481	76	70	15,615	15,351
East North Central.....	22,522	22,256	17,344	17,174	13,131	12,934	40	43	53,037	52,407
Illinois	5,554	5,599	4,355	4,567	2,841	3,013	35	38	12,785	13,216
Indiana	3,388	3,350	2,089	2,041	2,944	2,734	2	2	8,422	8,127
Michigan	4,575	4,321	3,984	3,741	2,292	2,183	*	1	10,851	10,245
Ohio	6,098	6,165	4,513	4,529	3,338	3,398	2	3	13,951	14,095
Wisconsin.....	2,906	2,821	2,403	2,296	1,717	1,606	--	--	7,026	6,723
West North Central.....	10,792	10,394	8,156	7,867	5,328	5,042	3	3	24,279	23,307
Iowa	1,525	1,517	947	952	1,008	1,011	--	--	3,480	3,480
Kansas	1,520	1,437	1,371	1,273	727	664	--	--	3,618	3,374
Minnesota.....	2,488	2,379	1,909	1,887	1,494	1,433	2	2	5,892	5,701
Missouri.....	3,495	3,386	2,486	2,358	1,019	954	2	1	7,002	6,699
Nebraska	936	903	735	728	656	613	--	--	2,327	2,244
North Dakota.....	390	357	368	340	268	224	--	--	1,027	921
South Dakota.....	438	415	339	330	157	143	--	--	933	888
South Atlantic.....	40,441	41,173	29,169	28,806	9,471	9,220	119	124	79,199	79,323
Delaware	640	657	452	491	236	242	--	--	1,328	1,390
District of Columbia.....	276	297	1,158	1,236	15	18	33	35	1,482	1,586
Florida.....	13,719	13,982	9,176	8,942	1,530	1,529	8	7	24,433	24,460
Georgia.....	6,523	6,198	4,667	4,338	2,103	1,932	14	13	13,307	12,481
Maryland.....	3,665	4,144	3,487	3,616	442	487	49	54	7,642	8,300
North Carolina.....	6,078	6,288	3,797	3,911	1,601	1,623	1	1	11,476	11,823
South Carolina.....	3,472	3,450	2,019	1,986	1,678	1,568	--	--	7,170	7,004
Virginia.....	4,963	5,062	3,780	3,676	1,140	1,141	15	15	9,899	9,894
West Virginia.....	1,106	1,094	633	610	725	681	*	*	2,464	2,386
East South Central.....	12,341	12,451	8,122	7,993	7,526	7,116	*	*	27,989	27,561
Alabama	3,703	3,791	2,342	2,339	2,118	1,945	--	--	8,162	8,075
Kentucky.....	2,472	2,497	1,573	1,530	2,305	2,274	--	--	6,350	6,300
Mississippi.....	1,987	1,992	1,306	1,286	1,080	993	--	--	4,373	4,271
Tennessee.....	4,179	4,172	2,902	2,839	2,022	1,904	*	*	9,103	8,915
West South Central.....	23,080	22,708	15,764	15,527	9,600	9,791	8	8	48,452	48,034
Arkansas.....	1,708	1,703	919	891	967	913	*	*	3,593	3,507
Louisiana.....	2,961	2,935	2,065	2,058	1,715	1,646	1	1	6,742	6,640
Oklahoma.....	2,300	2,164	1,487	1,415	867	811	--	--	4,654	4,390
Texas.....	16,111	15,906	11,294	11,163	6,051	6,420	7	7	33,463	33,497
Mountain.....	10,024	9,795	8,197	8,042	4,897	4,780	9	8	23,127	22,625
Arizona.....	3,669	3,558	2,790	2,742	798	759	--	--	7,257	7,059
Colorado.....	2,062	1,998	1,847	1,790	1,091	1,048	5	4	5,005	4,840
Idaho	662	650	381	389	453	453	--	--	1,496	1,492
Montana	478	434	445	409	211	214	--	--	1,135	1,057
Nevada.....	1,335	1,436	806	878	893	972	1	1	3,035	3,286
New Mexico.....	758	711	819	773	425	400	--	--	2,002	1,883
Utah.....	804	769	774	741	477	434	3	3	2,058	1,948
Wyoming.....	255	239	335	320	549	501	--	--	1,140	1,061
Pacific Contiguous.....	18,287	17,351	19,720	19,163	6,711	6,549	71	70	44,790	43,133
California.....	13,422	12,873	16,233	15,865	4,948	4,830	69	68	34,671	33,637
Oregon.....	1,859	1,672	1,289	1,173	659	633	2	2	3,809	3,479
Washington.....	3,006	2,806	2,199	2,125	1,105	1,085	1	1	6,310	6,016
Pacific Noncontiguous....	1,390	1,180	1,514	1,264	1,246	993	--	--	4,151	3,438
Alaska.....	374	340	424	395	206	187	--	--	1,004	922
Hawaii.....	1,016	840	1,090	870	1,041	806	--	--	3,147	2,516
U.S. Total.....	167,930	166,782	136,138	135,559	67,212	65,750	805	815	372,084	368,906

¹ 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 2010 are final. Values for 2011 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 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. • 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 2011 and 2010
(Cents per Kilowatthour)

Census Division and State	Residential		Commercial ¹		Industrial ¹		Transportation ¹		All Sectors	
	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010	Dec 2011	Dec 2010
New England.....	16.20	15.96	14.24	14.43	12.60	12.95	7.27	7.58	14.64	14.72
Connecticut.....	18.17	18.65	15.27	15.92	13.33	14.03	11.22	10.23	16.32	16.93
Maine.....	15.29	15.76	12.36	12.31	7.90	10.22	--	--	12.49	13.27
Massachusetts.....	15.37	14.42	14.37	14.42	13.62	13.59	5.08	5.67	14.47	14.13
New Hampshire.....	16.69	16.45	13.93	14.15	12.09	12.77	--	--	14.76	14.91
Rhode Island.....	14.32	14.95	12.73	12.64	11.88	11.79	13.95	13.40	13.28	13.48
Vermont.....	16.23	15.58	13.98	13.57	10.05	9.97	--	--	13.94	13.49
Middle Atlantic.....	15.30	14.99	12.63	13.29	7.60	8.20	11.62	12.79	12.65	13.04
New Jersey.....	15.93	16.14	12.51	13.11	10.56	11.26	10.07	11.23	13.57	14.06
New York.....	17.31	17.72	14.46	15.65	7.16	8.46	12.81	13.17	14.76	15.69
Pennsylvania.....	13.28	12.22	9.64	9.68	7.27	7.60	8.86	8.14	10.26	10.10
East North Central.....	11.46	10.83	9.18	8.97	6.53	6.46	6.81	6.46	9.10	8.83
Illinois.....	11.17	10.64	8.13	8.02	6.27	6.52	6.69	6.26	8.55	8.48
Indiana.....	9.85	9.34	8.74	8.56	6.18	6.01	9.61	9.67	7.98	7.80
Michigan.....	13.17	12.05	10.18	9.59	7.37	6.80	7.66	10.28	10.47	9.54
Ohio.....	10.96	10.68	9.22	9.41	6.27	6.43	6.61	7.37	8.93	8.97
Wisconsin.....	12.82	12.25	10.20	9.71	7.18	6.78	--	--	10.15	9.72
West North Central.....	9.33	8.92	7.55	7.46	5.77	5.72	7.12	6.61	7.73	7.58
Iowa.....	9.71	9.71	7.24	7.36	4.73	5.11	--	--	7.08	7.37
Kansas.....	9.95	9.43	8.35	7.86	6.52	6.30	--	--	8.44	8.04
Minnesota.....	10.33	10.32	7.63	8.23	6.48	6.32	8.70	7.76	8.24	8.39
Missouri.....	8.71	8.07	7.14	6.89	5.38	5.25	5.75	5.56	7.48	7.15
Nebraska.....	8.41	7.98	7.66	7.28	5.76	5.53	--	--	7.33	7.00
North Dakota.....	8.39	7.71	7.77	7.10	6.21	5.78	--	--	7.55	7.00
South Dakota.....	9.16	8.49	7.53	7.27	6.22	6.26	--	--	7.98	7.64
South Atlantic.....	10.99	10.53	9.50	9.32	6.57	6.73	8.31	9.83	9.63	9.49
Delaware.....	13.58	13.65	10.16	11.19	8.23	9.72	--	--	11.02	11.92
District of Columbia.....	12.26	13.48	12.27	13.33	5.51	9.23	8.57	12.32	12.03	13.24
Florida.....	11.64	11.68	10.08	10.07	8.46	9.15	8.88	9.08	10.69	10.84
Georgia.....	10.25	9.29	9.67	9.12	6.23	6.46	7.63	7.74	9.09	8.63
Maryland.....	12.88	13.21	10.86	11.75	8.17	9.71	8.07	9.96	11.50	12.30
North Carolina.....	10.06	9.44	8.34	7.84	5.98	5.87	7.47	6.58	8.67	8.32
South Carolina.....	11.34	10.13	9.41	9.09	5.90	5.92	--	--	8.90	8.57
Virginia.....	10.51	9.92	8.16	7.62	6.71	6.56	8.88	7.63	8.99	8.57
West Virginia.....	9.48	8.77	8.21	7.69	6.38	5.92	9.85	8.31	8.12	7.62
East South Central.....	10.56	9.49	9.84	9.46	6.14	5.90	12.70	9.74	8.63	8.20
Alabama.....	13.26	10.34	10.69	10.38	6.64	6.09	--	--	9.85	8.86
Kentucky.....	9.12	8.51	8.36	7.89	5.24	5.13	--	--	7.01	6.86
Mississippi.....	10.06	9.64	9.58	9.17	6.37	6.33	--	--	8.61	8.40
Tennessee.....	10.04	9.50	10.27	10.03	6.96	6.74	12.70	9.74	9.19	8.87
West South Central.....	10.13	10.11	8.30	8.48	5.62	5.86	9.57	9.67	8.18	8.29
Arkansas.....	8.68	8.28	7.54	7.02	5.46	5.23	12.09	11.08	7.22	6.89
Louisiana.....	8.30	8.19	7.98	8.03	5.06	5.03	5.85	8.30	6.97	7.02
Oklahoma.....	8.42	8.16	7.08	7.20	5.21	5.52	--	--	7.12	7.16
Texas.....	11.08	11.25	8.63	8.92	5.91	6.28	10.19	9.85	8.80	9.01
Mountain.....	9.86	9.62	8.30	7.98	5.55	5.43	8.89	8.42	8.07	7.82
Arizona.....	9.97	10.00	8.67	8.55	5.88	5.95	--	--	8.74	8.69
Colorado.....	10.76	10.26	8.98	8.26	6.75	6.39	9.27	8.69	9.02	8.43
Idaho.....	7.45	7.76	5.76	6.29	4.35	4.53	--	--	6.17	6.49
Montana.....	9.60	8.95	9.03	8.51	5.11	5.36	--	--	8.28	7.90
Nevada.....	11.08	11.61	8.57	8.97	5.13	5.65	7.19	8.04	7.96	8.51
New Mexico.....	10.63	9.69	8.68	8.02	5.39	5.33	--	--	8.34	7.76
Utah.....	8.95	8.22	6.95	6.37	5.02	4.40	8.64	8.13	6.99	6.35
Wyoming.....	9.23	8.40	7.88	7.13	5.52	4.87	--	--	6.76	6.08
Pacific Contiguous.....	12.47	12.10	10.63	10.38	7.25	6.84	7.80	7.84	10.68	10.32
California.....	15.29	14.96	11.79	11.47	9.73	8.58	7.79	7.86	12.71	12.17
Oregon.....	9.62	8.75	8.10	7.47	5.46	5.21	7.85	6.96	8.26	7.63
Washington.....	8.44	8.13	7.72	7.55	4.10	4.31	8.17	8.16	7.08	6.97
Pacific Noncontiguous....	27.25	22.88	24.26	20.59	25.71	20.74	--	--	25.69	21.41
Alaska.....	17.76	16.04	14.45	14.02	15.76	15.74	--	--	15.95	15.12
Hawaii.....	36.21	29.14	33.77	26.64	29.65	22.57	--	--	32.96	25.93
U.S. Total.....	11.52	11.06	9.85	9.82	6.60	6.60	9.90	10.39	9.64	9.52

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 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 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. • 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 2011 and 2010
(Cents per Kilowatthour)

Census Division and State	Residential		Commercial ¹		Industrial ¹		Transportation ¹		All Sectors	
	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010
New England	15.98	16.24	14.33	14.72	12.68	12.98	7.94	8.45	14.57	14.89
Connecticut	18.11	19.25	15.48	16.45	13.37	14.50	10.33	11.46	16.33	17.39
Maine	15.41	15.71	12.27	12.51	8.90	9.17	--	--	12.58	12.84
Massachusetts.....	14.82	14.59	14.45	14.53	13.55	13.71	6.14	6.46	14.26	14.26
New Hampshire.....	16.54	16.32	14.02	14.26	12.32	12.75	--	--	14.75	14.84
Rhode Island.....	14.45	15.92	12.49	13.11	11.31	11.82	15.42	13.86	13.15	14.08
Vermont	16.28	15.57	13.95	13.44	9.86	9.53	--	--	13.79	13.24
Middle Atlantic	15.86	15.81	13.66	13.93	8.17	8.40	12.56	12.35	13.41	13.60
New Jersey	16.24	16.57	13.48	13.89	11.50	11.81	10.71	11.91	14.32	14.68
New York.....	18.30	18.74	15.83	16.31	7.80	8.78	13.82	13.74	15.94	16.41
Pennsylvania.....	13.38	12.70	10.04	10.10	7.74	7.66	8.93	7.92	10.49	10.31
East North Central	11.78	11.41	9.48	9.36	6.59	6.53	6.93	6.93	9.24	9.08
Illinois	11.81	11.52	8.64	8.88	6.46	6.82	6.81	6.71	9.01	9.13
Indiana	10.06	9.56	8.74	8.38	6.25	5.87	9.74	9.21	8.04	7.67
Michigan	13.12	12.46	10.32	9.81	7.36	7.08	8.90	10.65	10.37	9.88
Ohio	11.44	11.32	9.60	9.73	6.21	6.40	6.65	8.62	9.05	9.14
Wisconsin.....	13.06	12.65	10.43	9.98	7.34	6.85	--	--	10.23	9.78
West North Central	10.13	9.64	8.23	7.87	6.09	5.86	7.64	6.95	8.28	7.93
Iowa	10.50	10.42	7.90	7.91	5.21	5.36	--	--	7.59	7.66
Kansas.....	10.63	10.03	8.79	8.25	6.73	6.23	--	--	8.89	8.35
Minnesota.....	10.97	10.59	8.58	8.38	6.51	6.29	8.54	7.77	8.68	8.41
Missouri	9.78	9.08	8.04	7.50	5.95	5.50	6.90	6.14	8.35	7.78
Nebraska	9.30	8.94	8.04	7.63	6.26	6.00	--	--	7.84	7.52
North Dakota.....	8.56	8.13	7.58	7.21	6.25	5.81	--	--	7.49	7.11
South Dakota.....	9.34	8.97	7.77	7.55	6.30	6.07	--	--	8.09	7.82
South Atlantic	11.27	10.96	9.52	9.29	6.75	6.66	8.98	9.38	9.81	9.61
Delaware	13.74	13.80	10.62	11.36	9.05	9.57	--	--	11.53	11.97
District of Columbia.....	13.40	14.01	12.92	13.42	6.86	7.78	10.22	11.04	12.82	13.35
Florida.....	11.67	11.44	9.99	9.76	8.85	8.85	8.82	8.58	10.77	10.58
Georgia.....	11.07	10.07	9.92	9.06	6.64	6.22	7.94	7.46	9.65	8.87
Maryland.....	13.44	14.32	11.34	11.75	8.81	9.57	8.89	9.78	12.02	12.70
North Carolina.....	10.29	10.12	8.18	8.16	6.06	6.17	7.04	7.09	8.70	8.67
South Carolina.....	11.13	10.50	9.35	8.90	5.96	5.74	--	--	8.86	8.49
Virginia.....	10.68	10.45	7.93	7.65	6.61	6.66	8.24	7.70	8.87	8.69
West Virginia	9.40	8.79	8.14	7.66	6.18	5.86	8.60	8.33	7.88	7.45
East South Central	10.11	9.58	9.73	9.34	6.18	5.83	12.07	11.09	8.55	8.16
Alabama.....	11.30	10.67	10.47	10.18	6.33	6.01	--	--	9.21	8.89
Kentucky.....	9.09	8.57	8.41	7.88	5.31	5.05	--	--	7.11	6.73
Mississippi.....	10.14	9.87	9.48	9.32	6.57	6.32	--	--	8.78	8.59
Tennessee.....	9.83	9.23	10.12	9.66	7.12	6.58	12.07	11.09	9.14	8.61
West South Central	10.55	10.67	8.66	8.78	6.06	6.12	9.85	9.78	8.67	8.74
Arkansas.....	9.05	8.86	7.55	7.31	5.65	5.44	11.86	11.33	7.46	7.28
Louisiana.....	9.06	8.98	8.47	8.50	5.71	5.84	8.33	9.46	7.74	7.80
Oklahoma.....	9.51	9.14	7.63	7.45	5.51	5.35	--	--	7.83	7.59
Texas.....	11.27	11.60	8.96	9.19	6.34	6.44	10.08	9.82	9.18	9.34
Mountain	10.57	10.49	8.83	8.75	6.11	6.13	9.47	9.10	8.63	8.59
Arizona.....	11.07	10.97	9.50	9.47	6.58	6.63	--	--	9.73	9.69
Colorado.....	11.26	11.04	9.42	9.13	7.12	6.90	9.80	9.34	9.39	9.15
Idaho	7.90	7.99	6.41	6.64	5.16	5.15	--	--	6.48	6.54
Montana	9.77	9.16	9.13	8.55	5.25	5.49	--	--	8.23	7.88
Nevada.....	11.61	12.36	9.00	9.78	6.66	7.37	8.33	9.40	8.96	9.73
New Mexico.....	11.04	10.52	8.93	8.57	6.11	6.01	--	--	8.71	8.40
Utah.....	8.97	8.71	7.35	7.15	5.11	4.93	9.24	8.69	7.13	6.94
Wyoming.....	9.14	8.77	7.72	7.42	5.40	4.98	--	--	6.58	6.20
Pacific Contiguous	12.74	12.31	12.14	11.58	7.92	7.47	8.23	8.23	11.44	10.92
California	15.24	14.75	13.81	13.10	11.01	9.80	8.24	8.27	13.79	13.01
Oregon	9.60	8.87	8.19	7.59	5.50	5.41	7.87	6.99	8.08	7.56
Washington.....	8.33	8.04	7.54	7.37	3.97	4.07	8.54	7.42	6.78	6.66
Pacific Noncontiguous	27.48	23.22	24.40	20.45	24.99	19.88	--	--	25.54	21.14
Alaska	17.57	16.26	14.94	13.95	15.53	14.14	--	--	15.96	14.76
Hawaii.....	34.68	28.10	32.38	25.93	28.40	21.94	--	--	31.59	25.12
U.S. Total	11.80	11.54	10.32	10.19	6.89	6.77	10.58	10.57	9.99	9.83

¹ See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

Notes: • See Glossary for definitions. • Values for 2010 are final. Values for 2011 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 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. • 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."

Appendices

- A. Relative Standard Error
- B. Major Disturbances and Unusual Occurrences
- C. Technical Notes

Appendix A Relative Standard Error

Table A1.A. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, December 2011

(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	12	15	--	1	0	0	10
Connecticut	0	28	--	2	0	0	55
Maine	0	19	--	--	--	--	14
Massachusetts.....	21	23	--	2	--	0	17
New Hampshire.....	0	125	--	1	--	0	20
Rhode Island.....	--	170	--	2	--	--	596
Vermont	--	218	--	0	--	0	29
Middle Atlantic	2	7	435	1	11	0	3
New Jersey	0	53	--	2	48	0	17
New York.....	16	9	0	2	--	0	3
Pennsylvania	2	9	435	1	9	0	8
East North Central	*	3	8	1	7	0	12
Illinois	1	11	--	6	52	0	79
Indiana	*	4	0	2	7	--	49
Michigan	1	10	70	2	0	0	15
Ohio	1	2	6	1	21	0	60
Wisconsin.....	1	11	0	2	0	0	23
West North Central	1	9	0	10	82	0	6
Iowa	2	20	0	51	--	0	33
Kansas	0	25	0	34	--	0	285
Minnesota.....	2	50	0	18	--	0	36
Missouri	1	18	0	12	0	0	14
Nebraska	1	19	--	1	--	0	29
North Dakota.....	2	6	--	170	92	--	0
South Dakota.....	5	64	--	334	--	--	0
South Atlantic	*	4	0	*	0	0	4
Delaware	12	19	--	3	0	--	--
District of Columbia	--	0	--	--	--	--	--
Florida.....	1	10	0	1	0	0	83
Georgia.....	*	8	0	1	--	0	10
Maryland	2	6	--	14	0	0	2
North Carolina.....	1	15	--	2	--	0	9
South Carolina.....	2	12	0	1	0	0	12
Virginia	7	13	--	1	--	0	7
West Virginia	*	2	--	29	0	--	16
East South Central	1	6	0	1	11	0	3
Alabama	1	23	--	1	11	0	5
Kentucky	1	5	0	14	0	--	8
Mississippi	0	17	--	1	0	0	--
Tennessee.....	*	3	--	2	0	0	5
West South Central	*	4	5	1	3	0	8
Arkansas.....	0	6	0	2	--	0	9
Louisiana.....	0	3	5	1	7	0	0
Oklahoma.....	1	26	2,534	1	--	--	18
Texas.....	0	7	58	1	3	0	38
Mountain	1	8	0	1	9	0	4
Arizona.....	*	10	0	1	--	0	2
Colorado.....	1	28	--	2	0	--	22
Idaho	99	2,181	--	8	--	--	9
Montana	3	16	0	344	242	--	5
Nevada	0	9	--	1	0	--	5
New Mexico.....	0	7	--	4	--	--	74
Utah.....	1	27	--	6	87	--	42
Wyoming.....	1	8	--	13	5	--	29
Pacific Contiguous	1	22	47	1	4	0	2
California	12	22	47	1	5	0	6
Oregon	0	0	--	*	--	--	3
Washington	0	49	--	4	0	--	2
Pacific Noncontiguous	10	2	--	9	112	--	19
Alaska	19	10	--	9	--	--	19
Hawaii.....	8	1	--	--	112	--	70
U.S. Total	*	2	4	*	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 "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

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

Table A1.A. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	6	--	3	162	3	--	3	1
Connecticut	--	--	4	--	4	--	4	1
Maine	3	--	2	--	2	--	8	4
Massachusetts.....	110	--	6	183	6	--	5	3
New Hampshire.....	60	--	11	--	11	--	29	2
Rhode Island.....	274	--	18	--	19	--	--	2
Vermont	0	--	15	348	12	--	--	7
Middle Atlantic.....	3	--	3	32	2	--	3	1
New Jersey.....	130	--	6	55	7	--	5	1
New York.....	2	--	4	9	2	--	6	1
Pennsylvania.....	7	--	4	99	4	--	4	1
East North Central.....	1	--	3	84	1	--	6	*
Illinois	2	--	8	85	2	--	32	*
Indiana	*	--	14	--	1	--	3	*
Michigan	7	--	5	--	5	--	8	1
Ohio	7	--	7	111	5	--	0	1
Wisconsin.....	5	--	5	--	3	--	22	1
West North Central.....	1	--	5	--	1	--	14	*
Iowa	2	--	18	--	2	--	--	1
Kansas	1	--	0	--	1	--	--	1
Minnesota.....	3	--	6	--	3	--	15	2
Missouri	1	--	28	--	2	--	0	1
Nebraska	3	--	31	--	3	--	--	2
North Dakota.....	3	--	110	--	3	--	37	2
South Dakota.....	2	--	0	--	2	--	0	2
South Atlantic.....	2	--	1	23	1	--	2	*
Delaware	296	--	11	155	17	--	--	3
District of Columbia.....	--	--	--	--	--	--	--	0
Florida.....	--	--	3	26	3	--	2	*
Georgia.....	--	--	3	--	3	--	10	1
Maryland.....	9	--	4	436	4	--	0	1
North Carolina.....	--	--	4	40	4	--	42	1
South Carolina.....	--	--	1	--	1	--	0	1
Virginia	--	--	3	--	3	--	4	1
West Virginia.....	0	--	0	--	0	--	0	*
East South Central.....	0	--	2	--	2	--	46	*
Alabama	--	--	3	--	3	--	0	1
Kentucky	--	--	4	--	4	--	0	1
Mississippi.....	--	--	2	--	2	--	72	*
Tennessee.....	0	--	7	--	6	--	0	1
West South Central.....	1	--	3	79	1	--	8	*
Arkansas.....	--	--	3	--	3	--	0	1
Louisiana.....	--	--	4	--	4	--	5	1
Oklahoma.....	2	--	16	--	2	--	0	1
Texas.....	1	--	6	79	1	--	13	*
Mountain.....	2	4	5	15	2	--	3	*
Arizona.....	0	--	8	48	10	--	0	*
Colorado.....	3	--	43	52	3	--	27	1
Idaho	16	18	3	--	11	--	0	7
Montana	3	--	--	--	3	--	0	3
Nevada	--	4	0	7	4	--	0	1
New Mexico.....	1	--	102	28	2	--	--	1
Utah.....	11	2	31	--	6	--	3	2
Wyoming.....	2	--	--	--	2	--	0	1
Pacific Contiguous.....	3	2	3	13	1	--	6	1
California	7	2	4	13	2	--	6	1
Oregon	5	--	8	326	4	--	36	1
Washington.....	3	--	4	0	3	--	26	1
Pacific Noncontiguous....	18	0	12	286	9	--	0	3
Alaska	130	--	149	--	102	--	0	7
Hawaii	18	0	12	286	8	--	0	2
U.S. Total.....	1	2	1	11	1	--	2	*

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

Table A1.B. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	2	2	--	*	0	0	3
Connecticut	0	3	--	1	0	0	17
Maine	0	3	--	1	--	--	4
Massachusetts.....	4	4	--	*	--	0	4
New Hampshire.....	0	7	--	*	--	0	5
Rhode Island.....	--	28	--	*	--	--	179
Vermont	--	62	--	0	--	0	9
Middle Atlantic	*	1	7	*	3	0	1
New Jersey	1	7	--	1	12	0	3
New York	2	1	0	1	--	0	1
Pennsylvania	*	2	107	*	2	0	2
East North Central	*	1	2	*	2	0	3
Illinois	*	3	--	1	13	0	21
Indiana	*	2	0	1	2	--	8
Michigan	*	2	21	1	0	0	4
Ohio	*	1	2	*	6	0	11
Wisconsin.....	*	6	0	1	0	0	7
West North Central	*	2	0	2	18	0	2
Iowa	1	4	0	6	--	0	11
Kansas	0	4	0	4	--	0	89
Minnesota.....	1	10	0	4	--	0	11
Missouri	*	3	0	2	0	0	2
Nebraska	1	4	--	8	--	0	9
North Dakota.....	1	5	--	69	21	--	0
South Dakota.....	2	16	--	30	--	--	0
South Atlantic	*	1	0	*	0	0	1
Delaware	1	5	--	1	0	--	--
District of Columbia.....	--	0	--	--	--	--	--
Florida.....	*	1	0	*	0	0	25
Georgia.....	*	4	0	*	--	0	2
Maryland	1	2	--	3	0	0	1
North Carolina.....	*	4	--	1	--	0	3
South Carolina.....	*	5	0	*	0	0	2
Virginia	1	1	--	*	--	0	1
West Virginia	*	1	--	3	0	--	5
East South Central	*	2	0	*	4	0	1
Alabama	*	7	--	*	4	0	2
Kentucky	*	2	0	3	0	--	2
Mississippi	*	3	--	*	0	0	--
Tennessee.....	*	1	--	1	0	0	2
West South Central	*	1	1	*	1	0	2
Arkansas.....	0	2	0	1	--	0	3
Louisiana.....	0	1	1	*	2	0	0
Oklahoma.....	*	12	256	*	--	--	5
Texas.....	0	2	6	*	1	0	10
Mountain	*	10	0	*	4	0	1
Arizona.....	*	6	0	*	--	0	1
Colorado.....	*	78	--	1	0	--	5
Idaho	26	264	--	5	--	--	2
Montana	1	5	0	64	73	--	1
Nevada	0	9	--	*	0	--	1
New Mexico.....	0	38	--	1	--	--	20
Utah.....	*	5	--	2	29	--	11
Wyoming.....	*	3	--	8	2	--	3
Pacific Contiguous	1	9	11	1	1	0	*
California	3	14	11	1	2	0	1
Oregon	0	0	--	*	--	--	1
Washington	0	12	--	2	0	0	*
Pacific Noncontiguous	2	3	--	2	37	--	7
Alaska	5	2	--	2	--	--	7
Hawaii.....	1	3	--	--	37	--	30
U.S. Total	*	2	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 "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

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

Table A1.B. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	2	--	1	159	1	--	1	*
Connecticut	--	--	2	--	2	--	1	*
Maine	1	--	1	--	1	--	3	1
Massachusetts.....	28	--	2	176	2	--	1	1
New Hampshire.....	15	--	4	--	4	--	9	*
Rhode Island.....	69	--	7	--	7	--	--	*
Vermont	0	--	5	364	5	--	--	2
Middle Atlantic.....	1	--	1	43	1	--	1	*
New Jersey.....	33	--	2	51	5	--	2	*
New York.....	1	--	1	144	1	--	2	*
Pennsylvania.....	2	--	1	85	1	--	1	*
East North Central.....	*	--	1	63	*	--	2	*
Illinois	1	--	3	11	1	--	12	*
Indiana	*	--	5	--	*	--	2	*
Michigan	3	--	2	--	2	--	2	*
Ohio	3	--	2	108	3	--	0	*
Wisconsin.....	1	--	2	--	1	--	7	*
West North Central.....	*	--	2	--	*	--	4	*
Iowa	*	--	6	--	*	--	--	*
Kansas	*	--	0	--	*	--	--	*
Minnesota.....	1	--	2	--	1	--	5	1
Missouri	*	--	10	--	1	--	0	*
Nebraska	1	--	10	--	1	--	--	1
North Dakota.....	1	--	27	--	1	--	12	1
South Dakota.....	1	--	0	--	1	--	0	1
South Atlantic.....	1	--	*	24	*	--	1	*
Delaware	74	--	4	170	11	--	--	1
District of Columbia.....	--	--	--	--	--	--	--	0
Florida.....	--	--	1	23	1	--	1	*
Georgia.....	--	--	1	--	1	--	13	*
Maryland.....	4	--	1	355	2	--	*	*
North Carolina.....	--	--	1	66	1	--	16	*
South Carolina.....	--	--	*	--	*	--	0	*
Virginia	--	--	1	--	1	--	2	*
West Virginia.....	0	--	0	--	0	--	0	*
East South Central.....	0	--	1	--	1	--	12	*
Alabama	--	--	1	--	1	--	0	*
Kentucky	--	--	2	--	2	--	0	*
Mississippi.....	--	--	1	--	1	--	26	*
Tennessee.....	0	--	2	--	2	--	28	*
West South Central.....	*	--	1	105	*	--	3	*
Arkansas.....	--	--	1	--	1	--	0	*
Louisiana.....	--	--	1	--	1	--	2	*
Oklahoma.....	1	--	5	--	1	--	0	*
Texas.....	*	--	2	105	*	--	4	*
Mountain.....	*	1	1	10	1	--	1	*
Arizona.....	0	--	2	55	5	--	0	*
Colorado.....	1	--	12	45	1	--	9	*
Idaho	4	6	1	--	2	--	0	2
Montana	1	--	--	--	1	--	0	1
Nevada	--	1	0	1	1	--	0	*
New Mexico.....	*	--	25	31	1	--	--	*
Utah.....	2	1	11	--	1	--	1	1
Wyoming.....	1	--	--	--	1	--	0	*
Pacific Contiguous.....	*	1	1	7	*	--	2	*
California	1	1	1	7	1	--	2	*
Oregon	1	--	2	683	1	--	12	1
Washington.....	1	--	1	0	*	--	8	*
Pacific Noncontiguous....	6	0	3	166	3	--	0	2
Alaska	33	--	38	--	26	--	0	2
Hawaii.....	6	0	3	166	3	--	0	2
U.S. Total.....	*	1	*	7	*	--	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 A2.A. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England.....	0	45	--	132	--	--	30
Connecticut	--	536	--	293	--	--	193
Maine	--	447	--	--	--	--	--
Massachusetts.....	--	28	--	0	--	--	70
New Hampshire.....	0	99	--	0	--	--	28
Rhode Island.....	--	175	--	--	--	--	--
Vermont	--	218	--	0	--	--	50
Middle Atlantic.....	0	22	--	9	--	--	1
New Jersey	0	222	--	--	--	--	0
New York.....	0	21	--	9	--	--	1
Pennsylvania	--	819	--	519	--	--	6
East North Central	*	3	23	1	0	0	13
Illinois	2	23	--	74	--	--	169
Indiana	*	3	--	1	0	--	49
Michigan	1	10	368	36	--	0	15
Ohio	1	3	--	1	0	--	60
Wisconsin.....	*	20	0	3	0	--	24
West North Central	1	8	0	11	0	0	6
Iowa	1	19	0	54	--	--	33
Kansas	0	25	0	34	--	0	--
Minnesota.....	2	99	0	23	--	0	45
Missouri	1	18	0	13	0	0	14
Nebraska	1	19	--	0	--	0	29
North Dakota.....	2	4	--	0	--	--	0
South Dakota.....	5	57	--	334	--	--	0
South Atlantic.....	*	4	0	*	--	0	5
Delaware	--	454	--	359	--	--	--
District of Columbia.....	--	--	--	--	--	--	--
Florida.....	0	11	0	1	--	0	83
Georgia.....	0	3	--	0	--	0	10
Maryland	--	245	--	0	--	--	--
North Carolina.....	0	9	--	2	--	0	9
South Carolina.....	2	12	0	1	--	0	12
Virginia	0	8	--	0	--	0	7
West Virginia	0	2	--	0	--	--	49
East South Central	1	2	0	2	0	0	3
Alabama	1	0	--	5	--	0	5
Kentucky	1	5	0	0	0	--	8
Mississippi	0	17	--	1	--	0	--
Tennessee.....	0	2	--	0	--	0	5
West South Central	0	3	0	1	--	0	9
Arkansas.....	0	0	--	14	--	0	9
Louisiana.....	0	36	0	3	--	0	--
Oklahoma.....	0	10	--	*	--	--	18
Texas.....	0	12	0	3	--	--	39
Mountain.....	*	8	--	1	--	0	4
Arizona.....	0	2	--	*	--	0	2
Colorado.....	1	28	--	1	--	--	22
Idaho	--	2,181	--	81	--	--	9
Montana	75	349	--	1,176	--	--	4
Nevada	0	10	--	0	--	--	3
New Mexico.....	0	3	--	6	--	--	74
Utah.....	1	27	--	3	--	--	42
Wyoming.....	1	8	--	279	--	--	28
Pacific Contiguous.....	0	19	--	2	48	0	1
California	--	17	--	2	48	0	6
Oregon	0	0	--	0	--	--	3
Washington	--	163	--	5	--	0	1
Pacific Noncontiguous....	0	2	--	9	--	--	19
Alaska	0	10	--	9	--	--	19
Hawaii.....	--	1	--	--	--	--	254
U.S. Total	*	2	1	1	38	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 "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

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

Table A2.A. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	78	--	0	209	4	--	--	10
Connecticut	--	--	--	--	--	--	--	172
Maine	--	--	--	--	--	--	--	447
Massachusetts.....	135	--	--	209	118	--	--	54
New Hampshire.....	--	--	0	--	0	--	--	4
Rhode Island.....	--	--	--	--	--	--	--	175
Vermont	0	--	0	--	0	--	--	34
Middle Atlantic.....	--	--	--	131	131	--	--	3
New Jersey.....	--	--	--	131	131	--	--	3
New York.....	--	--	--	--	--	--	--	3
Pennsylvania.....	--	--	--	--	--	--	--	6
East North Central.....	4	--	6	230	3	--	0	*
Illinois	163	--	--	--	163	--	--	2
Indiana	--	--	13	--	13	--	--	*
Michigan	--	--	0	--	0	--	0	1
Ohio	131	--	--	230	126	--	--	1
Wisconsin.....	1	--	2	--	1	--	0	1
West North Central.....	2	--	11	--	2	--	17	1
Iowa	4	--	34	--	4	--	--	2
Kansas	0	--	0	--	0	--	--	1
Minnesota.....	3	--	13	--	3	--	21	2
Missouri	--	--	34	--	34	--	0	1
Nebraska	11	--	29	--	11	--	--	2
North Dakota.....	4	--	--	--	4	--	37	2
South Dakota.....	2	--	0	--	2	--	0	2
South Atlantic.....	--	--	3	12	3	--	0	*
Delaware	--	--	--	--	--	--	--	354
District of Columbia.....	--	--	--	--	--	--	--	--
Florida.....	--	--	7	0	4	--	--	*
Georgia.....	--	--	0	--	0	--	--	1
Maryland.....	--	--	143	--	143	--	--	166
North Carolina.....	--	--	0	252	252	--	--	1
South Carolina.....	--	--	5	--	5	--	--	1
Virginia	--	--	0	--	0	--	--	1
West Virginia.....	--	--	0	--	0	--	0	1
East South Central.....	0	--	22	--	22	--	0	1
Alabama.....	--	--	173	--	173	--	--	1
Kentucky.....	--	--	22	--	22	--	0	1
Mississippi.....	--	--	0	--	0	--	--	1
Tennessee.....	0	--	0	--	0	--	--	1
West South Central.....	1	--	--	--	1	--	--	*
Arkansas.....	--	--	--	--	--	--	--	1
Louisiana.....	--	--	--	--	--	--	--	1
Oklahoma.....	0	--	--	--	0	--	--	1
Texas.....	762	--	--	--	762	--	--	1
Mountain.....	2	0	49	58	2	--	0	*
Arizona.....	--	--	43	58	39	--	--	*
Colorado.....	31	--	372	--	32	--	--	1
Idaho.....	--	--	--	--	--	--	--	9
Montana.....	60	--	--	--	60	--	--	5
Nevada.....	--	--	0	--	0	--	0	*
New Mexico.....	--	--	--	--	--	--	--	1
Utah.....	--	0	--	--	0	--	--	1
Wyoming.....	1	--	--	--	1	--	--	1
Pacific Contiguous.....	6	0	7	59	4	--	--	1
California.....	27	0	6	60	6	--	--	1
Oregon.....	0	--	26	--	3	--	--	2
Washington.....	6	--	10	0	5	--	--	1
Pacific Noncontiguous.....	130	--	0	--	67	--	0	4
Alaska.....	130	--	--	--	130	--	0	7
Hawaii.....	--	--	0	--	0	--	0	1
U.S. Total.....	2	0	3	27	1	--	14	*

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

Table A2.B. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	3	--	8	--	--	9
Connecticut	--	45	--	74	--	--	59
Maine	--	54	--	--	--	--	--
Massachusetts.....	--	4	--	4	--	--	22
New Hampshire.....	0	1	--	0	--	--	7
Rhode Island.....	--	21	--	--	--	--	--
Vermont	--	62	--	0	--	--	15
Middle Atlantic	69	2	--	2	--	--	*
New Jersey	0	65	--	--	--	--	0
New York	69	2	--	2	--	--	*
Pennsylvania	--	99	--	125	--	--	2
East North Central	*	1	5	1	0	0	3
Illinois	*	7	--	10	--	--	52
Indiana	*	1	--	1	0	--	8
Michigan	*	2	91	7	--	0	4
Ohio	*	1	--	1	0	--	11
Wisconsin.....	*	6	0	2	0	--	7
West North Central	*	2	0	2	0	0	2
Iowa	1	3	0	6	--	--	11
Kansas	0	4	0	4	--	0	--
Minnesota.....	1	10	0	5	--	0	13
Missouri	*	3	0	2	0	0	2
Nebraska	1	4	--	8	--	0	9
North Dakota.....	1	2	--	264	--	--	0
South Dakota.....	2	16	--	30	--	--	0
South Atlantic	*	1	0	*	--	0	1
Delaware	--	164	--	84	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida.....	*	1	0	*	--	0	25
Georgia.....	*	4	--	*	--	0	2
Maryland	--	32	--	0	--	--	--
North Carolina.....	0	3	--	1	--	0	3
South Carolina.....	*	6	0	*	--	0	2
Virginia	*	1	--	*	--	0	1
West Virginia	*	1	--	0	--	--	15
East South Central	*	1	0	1	0	0	1
Alabama	*	0	--	2	--	0	2
Kentucky	*	2	0	1	0	--	2
Mississippi	*	4	--	*	--	0	--
Tennessee.....	0	*	--	0	--	0	2
West South Central	0	*	0	*	--	0	3
Arkansas.....	0	0	--	3	--	0	3
Louisiana.....	0	1	0	*	--	0	--
Oklahoma.....	0	2	--	*	--	--	5
Texas.....	0	*	0	1	--	--	10
Mountain	*	11	--	*	--	0	1
Arizona.....	0	6	--	*	--	0	1
Colorado.....	*	91	--	1	--	--	5
Idaho	--	264	--	27	--	--	2
Montana	27	147	--	94	--	--	1
Nevada	0	12	--	*	--	--	1
New Mexico.....	0	38	--	2	--	--	20
Utah.....	*	5	--	1	--	--	12
Wyoming.....	*	3	--	55	--	--	3
Pacific Contiguous	0	9	--	1	19	0	*
California	--	10	--	1	19	0	1
Oregon	0	0	--	*	--	--	1
Washington	--	37	--	2	--	0	*
Pacific Noncontiguous	0	2	--	2	--	--	7
Alaska	0	2	--	2	--	--	7
Hawaii.....	--	3	--	--	--	--	76
U.S. Total	*	2	*	*	14	0	*

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

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

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

Table A2.B. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	21	--	0	211	2	--	--	2
Connecticut	--	--	--	--	--	--	--	47
Maine	--	--	--	--	--	--	--	54
Massachusetts.....	34	--	--	211	57	--	--	10
New Hampshire.....	--	--	0	--	0	--	--	1
Rhode Island.....	--	--	--	--	--	--	--	21
Vermont	0	--	0	--	0	--	--	10
Middle Atlantic.....	--	--	--	111	111	--	--	1
New Jersey.....	--	--	--	111	111	--	--	4
New York.....	--	--	--	--	--	--	--	1
Pennsylvania.....	--	--	--	--	--	--	--	2
East North Central.....	1	--	3	31	1	--	0	*
Illinois	41	--	--	--	41	--	--	1
Indiana	--	--	5	--	5	--	--	*
Michigan	--	--	0	--	0	--	0	*
Ohio	33	--	--	31	30	--	--	*
Wisconsin.....	1	--	1	--	*	--	0	*
West North Central.....	*	--	4	--	*	--	5	*
Iowa	*	--	13	--	*	--	--	1
Kansas	0	--	0	--	0	--	--	*
Minnesota.....	1	--	4	--	1	--	7	1
Missouri	--	--	12	--	12	--	0	*
Nebraska	3	--	11	--	3	--	--	1
North Dakota.....	1	--	--	--	1	--	12	1
South Dakota.....	1	--	0	--	1	--	0	1
South Atlantic.....	--	--	1	12	2	--	0	*
Delaware	--	--	--	--	--	--	--	83
District of Columbia.....	--	--	--	--	--	--	--	--
Florida.....	--	--	2	0	1	--	--	*
Georgia.....	--	--	0	--	0	--	--	*
Maryland.....	--	--	33	--	33	--	--	23
North Carolina.....	--	--	0	205	89	--	--	*
South Carolina.....	--	--	2	--	2	--	--	*
Virginia	--	--	1	--	1	--	--	*
West Virginia.....	--	--	0	--	0	--	0	*
East South Central.....	0	--	8	--	8	--	0	*
Alabama	--	--	70	--	70	--	--	*
Kentucky	--	--	8	--	8	--	0	*
Mississippi.....	--	--	0	--	0	--	--	*
Tennessee.....	0	--	0	--	0	--	--	*
West South Central.....	*	--	--	--	*	--	--	*
Arkansas.....	--	--	--	--	--	--	--	*
Louisiana.....	--	--	--	--	--	--	--	*
Oklahoma.....	0	--	--	--	0	--	--	*
Texas.....	130	--	--	--	130	--	--	*
Mountain.....	1	0	17	62	1	--	0	*
Arizona.....	--	--	16	62	34	--	--	*
Colorado.....	8	--	115	--	9	--	--	*
Idaho	--	--	--	--	--	--	--	2
Montana	15	--	--	--	15	--	--	2
Nevada	--	--	0	--	0	--	0	*
New Mexico.....	--	--	--	--	--	--	--	*
Utah.....	--	0	--	--	0	--	--	*
Wyoming.....	*	--	--	--	*	--	--	*
Pacific Contiguous.....	1	0	2	36	1	--	--	*
California	5	0	2	61	3	--	--	*
Oregon	0	--	10	--	1	--	--	1
Washington.....	1	--	2	0	1	--	--	*
Pacific Noncontiguous	33	--	0	--	9	--	0	2
Alaska	33	--	--	--	33	--	0	2
Hawaii.....	--	--	0	--	0	--	0	3
U.S. Total	*	0	1	20	*	--	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 "*").

Table A3.A. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	21	18	--	1	0	0	11
Connecticut	0	26	--	2	0	0	57
Maine	0	81	--	1	--	--	17
Massachusetts.....	21	25	--	2	--	0	16
New Hampshire.....	--	3,687	--	0	--	0	24
Rhode Island.....	--	693	--	2	--	--	596
Vermont	--	--	--	--	--	0	36
Middle Atlantic	2	8	0	1	44	0	12
New Jersey	0	48	--	2	--	0	265
New York	18	13	0	2	--	0	15
Pennsylvania	2	8	0	1	44	0	14
East North Central	1	4	0	1	0	0	57
Illinois	1	8	--	2	0	0	73
Indiana	0	82,756	0	5	--	--	--
Michigan	0	3,955	0	2	0	0	109
Ohio	1	3	0	1	0	0	--
Wisconsin.....	0	0	--	0	--	0	110
West North Central	--	40	--	16	--	0	73
Iowa	--	654	--	0	--	0	329
Kansas	--	--	--	--	--	--	285
Minnesota.....	--	11	--	11	--	--	77
Missouri	--	--	--	110	--	--	--
Nebraska	--	--	--	295	--	--	--
North Dakota.....	--	--	--	--	--	--	--
South Dakota.....	--	893	--	--	--	--	--
South Atlantic	2	8	--	1	0	0	5
Delaware	12	18	--	3	--	--	--
District of Columbia	--	0	--	--	--	--	--
Florida.....	15	58	--	6	0	--	--
Georgia.....	--	39	--	0	--	--	347
Maryland	2	5	--	14	0	0	2
North Carolina.....	31	80	--	1	--	--	192
South Carolina.....	0	0	--	27	--	--	142
Virginia	61	50	--	1	--	--	139
West Virginia	1	0	--	0	--	--	11
East South Central	0	307	--	*	--	--	359
Alabama	0	307	--	0	--	--	--
Kentucky	--	--	--	0	--	--	359
Mississippi	0	0	--	*	--	--	--
Tennessee.....	--	--	--	--	--	--	--
West South Central	0	0	0	1	1	0	9
Arkansas.....	0	0	--	0	--	--	142
Louisiana.....	0	0	--	0	0	--	0
Oklahoma.....	0	--	--	3	--	--	--
Texas.....	0	0	0	1	1	0	163
Mountain	3	7	0	2	0	--	13
Arizona.....	--	--	--	2	--	--	--
Colorado.....	111	0	--	4	0	--	90
Idaho	--	--	--	4	--	--	54
Montana	3	8	0	361	0	--	12
Nevada	0	0	--	5	0	--	164
New Mexico.....	--	0	--	3	--	--	--
Utah.....	56	0	--	46	--	--	341
Wyoming.....	52	--	--	817	--	--	342
Pacific Contiguous	2	53	47	1	0	--	33
California	15	132	47	1	0	--	44
Oregon	--	--	--	0	--	--	57
Washington	0	57	--	0	0	--	80
Pacific Noncontiguous	15	4	--	--	--	--	0
Alaska	74	--	--	--	--	--	--
Hawaii.....	0	4	--	--	--	--	0
U.S. Total	1	3	12	*	1	0	6

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

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

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

Table A3.A. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	6	--	4	265	3	--	3	1
Connecticut	--	--	4	--	4	--	4	1
Maine	3	--	3	--	2	--	8	5
Massachusetts.....	230	--	6	408	6	--	5	3
New Hampshire.....	60	--	16	--	15	--	29	2
Rhode Island.....	274	--	18	--	19	--	--	2
Vermont	0	--	31	348	21	--	--	6
Middle Atlantic.....	3	--	3	32	2	--	4	1
New Jersey.....	130	--	8	60	8	--	7	1
New York.....	2	--	4	9	2	--	6	1
Pennsylvania.....	7	--	4	112	4	--	4	1
East North Central.....	1	--	5	87	1	--	20	*
Illinois	2	--	8	85	2	--	43	*
Indiana	*	--	--	--	*	--	--	1
Michigan	7	--	7	--	6	--	15	1
Ohio	0	--	13	116	6	--	--	*
Wisconsin.....	10	--	11	--	7	--	--	1
West North Central.....	1	--	8	--	1	--	22	1
Iowa	2	--	22	--	2	--	--	1
Kansas	2	--	0	--	2	--	--	3
Minnesota.....	4	--	8	--	3	--	22	4
Missouri	1	--	46	--	2	--	--	5
Nebraska	0	--	160	--	1	--	--	1
North Dakota.....	3	--	--	--	3	--	--	3
South Dakota.....	3	--	--	--	3	--	--	3
South Atlantic.....	2	--	2	42	2	--	3	1
Delaware	296	--	11	155	17	--	--	3
District of Columbia.....	--	--	--	--	--	--	--	0
Florida.....	--	--	3	92	3	--	4	4
Georgia.....	--	--	32	--	32	--	--	1
Maryland.....	9	--	3	436	5	--	0	1
North Carolina.....	--	--	7	36	7	--	41	10
South Carolina.....	--	--	45	--	45	--	--	29
Virginia	--	--	6	--	6	--	0	6
West Virginia.....	0	--	0	--	0	--	--	1
East South Central.....	0	--	4	--	3	--	142	*
Alabama	--	--	0	--	0	--	--	*
Kentucky	--	--	--	--	--	--	--	177
Mississippi.....	--	--	0	--	0	--	142	*
Tennessee.....	0	--	42	--	11	--	--	11
West South Central.....	1	--	9	79	1	--	0	*
Arkansas.....	--	--	39	--	39	--	--	1
Louisiana.....	--	--	24	--	24	--	--	*
Oklahoma	2	--	0	--	2	--	--	1
Texas.....	1	--	9	79	1	--	0	1
Mountain.....	2	4	10	15	2	--	3	2
Arizona.....	0	--	0	80	8	--	0	2
Colorado.....	3	--	43	53	3	--	44	3
Idaho	16	18	15	--	14	--	--	8
Montana	2	--	--	--	2	--	0	3
Nevada	--	4	--	7	4	--	--	3
New Mexico.....	1	--	102	28	2	--	--	2
Utah.....	11	117	31	--	11	--	115	25
Wyoming.....	4	--	--	--	4	--	--	10
Pacific Contiguous.....	4	2	4	11	2	--	10	1
California	7	2	4	11	2	--	11	1
Oregon	6	--	17	326	5	--	36	1
Washington.....	0	--	19	--	1	--	26	1
Pacific Noncontiguous....	18	0	--	286	11	--	0	5
Alaska	--	--	--	--	--	--	0	74
Hawaii	18	0	--	286	11	--	--	3
U.S. Total.....	1	2	2	11	1	--	3	*

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

Table A3.B. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date through December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	3	2	--	*	0	0	3
Connecticut	0	3	--	*	0	0	17
Maine	0	1	--	*	--	--	5
Massachusetts.....	4	4	--	*	--	0	4
New Hampshire.....	--	164	--	0	--	0	6
Rhode Island.....	--	242	--	*	--	--	179
Vermont	--	--	--	--	--	0	11
Middle Atlantic	*	2	0	*	14	0	3
New Jersey	1	5	--	1	--	0	78
New York	2	3	0	1	--	0	5
Pennsylvania	*	2	0	*	14	0	3
East North Central	*	2	0	*	0	0	17
Illinois	*	4	--	1	0	0	18
Indiana	0	20,279	0	2	--	--	--
Michigan	10	1,057	0	1	0	0	32
Ohio	*	1	0	*	0	0	--
Wisconsin.....	0	0	--	0	--	0	34
West North Central	--	23	--	2	--	0	22
Iowa	--	78	--	1,012	--	0	106
Kansas	--	--	--	--	--	--	89
Minnesota.....	--	9	--	2	--	--	23
Missouri	--	--	--	3	--	--	--
Nebraska	--	--	--	720	--	--	--
North Dakota.....	--	--	--	--	--	--	--
South Dakota.....	--	108	--	--	--	--	--
South Atlantic	1	1	--	*	0	0	2
Delaware	1	5	--	1	--	--	--
District of Columbia.....	--	0	--	--	--	--	--
Florida.....	2	21	--	1	0	--	--
Georgia.....	--	26	--	*	--	--	104
Maryland	1	2	--	3	0	0	1
North Carolina.....	6	81	--	*	--	--	58
South Carolina.....	31	0	--	3	--	--	43
Virginia	7	4	--	1	--	--	43
West Virginia	*	0	--	0	--	--	3
East South Central	0	14	--	*	--	--	112
Alabama	0	14	--	*	--	--	--
Kentucky	--	--	--	0	--	--	112
Mississippi	0	0	--	*	--	--	--
Tennessee.....	--	--	--	--	--	--	--
West South Central	0	0	0	*	*	0	3
Arkansas.....	0	0	--	0	--	--	44
Louisiana.....	0	0	--	*	0	--	0
Oklahoma.....	0	--	--	1	--	--	--
Texas.....	0	0	0	*	*	0	51
Mountain	1	3	0	1	0	--	4
Arizona.....	--	--	--	*	--	--	--
Colorado.....	19	0	--	1	0	--	25
Idaho	--	--	--	2	--	--	9
Montana	1	4	0	88	0	--	4
Nevada	0	0	--	1	0	--	50
New Mexico.....	--	0	--	1	--	--	--
Utah.....	21	0	--	16	--	--	102
Wyoming.....	19	--	--	140	--	--	98
Pacific Contiguous	1	11	11	1	*	--	6
California	3	25	11	1	100	--	6
Oregon	--	--	--	*	--	--	17
Washington	0	10	--	0	0	--	23
Pacific Noncontiguous	2	2	--	--	--	--	0
Alaska	17	--	--	--	--	--	--
Hawaii	0	2	--	--	--	--	0
U.S. Total	*	1	3	*	*	0	2

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

Notes: • See Glossary for definitions. • Values for 2011 are preliminary.

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

Table A3.B. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date through December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	2	--	1	255	1	--	1	*
Connecticut	--	--	2	--	2	--	1	*
Maine	1	--	1	--	1	--	3	1
Massachusetts.....	57	--	2	355	2	--	1	1
New Hampshire.....	15	--	6	--	5	--	9	1
Rhode Island.....	69	--	7	--	7	--	--	*
Vermont	0	--	11	364	11	--	--	2
Middle Atlantic.....	1	--	1	48	1	--	1	*
New Jersey.....	33	--	2	57	5	--	2	*
New York.....	1	--	2	144	1	--	2	*
Pennsylvania.....	2	--	1	96	1	--	2	*
East North Central.....	*	--	2	67	1	--	6	*
Illinois	1	--	3	11	1	--	16	*
Indiana	*	--	--	--	*	--	--	*
Michigan	3	--	3	--	2	--	5	1
Ohio	0	--	5	119	5	--	--	*
Wisconsin.....	3	--	4	--	2	--	--	*
West North Central.....	*	--	3	--	*	--	7	*
Iowa	1	--	9	--	1	--	--	*
Kansas	*	--	0	--	*	--	--	1
Minnesota.....	1	--	3	--	1	--	7	1
Missouri	*	--	17	--	*	--	--	1
Nebraska	0	--	40	--	*	--	--	*
North Dakota.....	1	--	--	--	1	--	--	1
South Dakota.....	1	--	--	--	1	--	--	1
South Atlantic.....	1	--	1	57	1	--	1	*
Delaware	74	--	4	170	11	--	--	1
District of Columbia.....	--	--	--	--	--	--	--	0
Florida.....	--	--	1	91	2	--	1	1
Georgia.....	--	--	11	--	11	--	--	*
Maryland.....	4	--	1	355	2	--	0	*
North Carolina.....	--	--	2	60	2	--	16	2
South Carolina.....	--	--	17	--	17	--	--	4
Virginia	--	--	2	--	2	--	0	2
West Virginia.....	0	--	0	--	0	--	--	*
East South Central.....	0	--	2	--	1	--	56	*
Alabama	--	--	0	--	0	--	--	*
Kentucky	--	--	--	--	--	--	--	8
Mississippi.....	--	--	0	--	0	--	56	*
Tennessee.....	0	--	16	--	5	--	--	5
West South Central.....	*	--	3	105	*	--	0	*
Arkansas.....	--	--	12	--	12	--	--	*
Louisiana.....	--	--	9	--	9	--	--	*
Oklahoma.....	1	--	0	--	1	--	--	*
Texas.....	*	--	4	105	*	--	0	*
Mountain.....	1	1	3	10	1	--	1	1
Arizona.....	0	--	0	114	3	--	0	*
Colorado.....	1	--	12	45	1	--	14	1
Idaho	4	6	4	--	3	--	--	3
Montana	1	--	--	--	1	--	0	1
Nevada	--	1	--	1	1	--	--	1
New Mexico.....	*	--	25	31	1	--	--	1
Utah.....	2	38	11	--	2	--	39	8
Wyoming.....	1	--	--	--	1	--	--	4
Pacific Contiguous.....	1	1	1	5	*	--	3	*
California	1	1	2	5	1	--	3	*
Oregon	1	--	5	683	1	--	12	1
Washington.....	0	--	7	--	*	--	8	1
Pacific Noncontiguous....	6	0	--	166	4	--	0	1
Alaska	--	--	--	--	--	--	0	17
Hawaii.....	6	0	--	166	4	--	--	1
U.S. Total.....	*	1	1	7	*	--	1	*

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

Table A4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England.....	0	61	--	18	--	--	496
Connecticut	--	0	--	95	--	--	--
Maine	--	373	--	1,291	--	--	--
Massachusetts.....	0	66	--	14	--	--	496
New Hampshire.....	--	140	--	--	--	--	--
Rhode Island.....	--	1,093	--	112	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic.....	0	136	--	21	95	--	703
New Jersey	--	1,451	--	78	95	--	--
New York.....	0	233	--	19	--	--	703
Pennsylvania	0	144	--	113	--	--	--
East North Central	23	163	--	13	--	--	0
Illinois	0	465	--	11	--	--	--
Indiana	28	1,518	--	124	--	--	--
Michigan	0	97	--	7	--	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin.....	150	1,890	--	108	--	--	0
West North Central	34	417	0	41	--	--	--
Iowa	47	4,484	0	238	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota.....	--	437	--	77	--	--	--
Missouri	0	1,849	--	0	--	--	--
Nebraska	--	--	--	0	--	--	--
North Dakota.....	--	2,767	--	--	--	--	--
South Dakota.....	--	3,752	--	--	--	--	--
South Atlantic.....	36	237	--	172	--	--	336
Delaware	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--
Florida.....	--	0	--	178	--	--	--
Georgia.....	--	368	--	0	--	--	--
Maryland	0	2,483	--	0	--	--	--
North Carolina.....	0	1,831	--	0	--	--	330
South Carolina.....	--	719	--	0	--	--	1,275
Virginia	350	0	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	117	--	--	81	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	159	--	--	--
Tennessee.....	117	--	--	94	--	--	--
West South Central	--	676	--	25	--	--	--
Arkansas.....	--	--	--	801	--	--	--
Louisiana.....	--	--	--	110	--	--	--
Oklahoma.....	--	810	--	194	--	--	--
Texas.....	--	954	--	20	--	--	--
Mountain.....	--	820	--	45	--	--	--
Arizona.....	--	2,713	--	76	--	--	--
Colorado.....	--	0	--	0	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	81	--	--	--
New Mexico.....	--	861	--	75	--	--	--
Utah.....	--	0	--	796	--	--	--
Wyoming.....	--	--	--	--	--	--	--
Pacific Contiguous.....	--	623	--	13	0	--	42
California	--	921	--	13	0	--	643
Oregon	--	--	--	0	--	--	--
Washington	--	838	--	219	--	--	0
Pacific Noncontiguous....	18	103	--	0	--	--	--
Alaska	18	120	--	0	--	--	--
Hawaii.....	--	0	--	--	--	--	--
U.S. Total	14	49	0	8	95	--	76

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

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

Table A4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	315	--	35	613	35	--	25	15
Connecticut	--	--	--	--	--	--	--	95
Maine	--	--	35	--	35	--	25	22
Massachusetts.....	315	--	318	613	234	--	--	15
New Hampshire.....	--	--	--	--	--	--	--	140
Rhode Island.....	--	--	--	--	--	--	--	111
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic.....	--	--	10	418	10	--	7	10
New Jersey.....	--	--	0	686	*	--	0	16
New York.....	--	--	34	--	34	--	24	15
Pennsylvania.....	--	--	0	452	3	--	0	21
East North Central.....	419	--	18	--	18	--	13	9
Illinois.....	--	--	1,877	--	1,877	--	--	9
Indiana.....	419	--	79	--	83	--	56	28
Michigan.....	--	--	18	--	18	--	13	7
Ohio.....	--	--	--	--	--	--	--	--
Wisconsin.....	--	--	57	--	57	--	444	62
West North Central.....	198	--	56	--	60	--	51	23
Iowa.....	--	--	72	--	72	--	--	40
Kansas.....	--	--	--	--	--	--	--	--
Minnesota.....	198	--	152	--	138	--	51	59
Missouri.....	--	--	--	--	--	--	0	1
Nebraska.....	--	--	109	--	109	--	--	107
North Dakota.....	--	--	--	--	--	--	--	2,767
South Dakota.....	--	--	--	--	--	--	--	3,752
South Atlantic.....	--	--	16	--	16	--	11	13
Delaware.....	--	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--
Florida.....	--	--	60	--	60	--	--	79
Georgia.....	--	--	82	--	82	--	--	81
Maryland.....	--	--	51	--	51	--	0	51
North Carolina.....	--	--	--	--	--	--	--	27
South Carolina.....	--	--	--	--	--	--	--	972
Virginia.....	--	--	16	--	16	--	11	13
West Virginia.....	--	--	--	--	--	--	--	--
East South Central.....	--	--	--	--	--	--	--	68
Alabama.....	--	--	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	--	--	--	--	159
Tennessee.....	--	--	--	--	--	--	--	75
West South Central.....	--	--	57	--	57	--	--	23
Arkansas.....	--	--	178	--	178	--	--	208
Louisiana.....	--	--	--	--	--	--	--	110
Oklahoma.....	--	--	--	--	--	--	--	191
Texas.....	--	--	61	--	61	--	--	19
Mountain.....	177	--	185	308	143	--	--	43
Arizona.....	--	--	185	--	185	--	--	73
Colorado.....	177	--	--	308	166	--	--	161
Idaho.....	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	81
New Mexico.....	--	--	--	--	--	--	--	75
Utah.....	--	--	--	--	--	--	--	796
Wyoming.....	--	--	--	--	--	--	--	--
Pacific Contiguous.....	--	--	19	365	19	--	0	11
California.....	--	--	20	365	20	--	0	11
Oregon.....	--	--	79	--	79	--	--	79
Washington.....	--	--	--	--	--	--	--	47
Pacific Noncontiguous.....	--	--	0	--	0	--	0	8
Alaska.....	--	--	--	--	--	--	--	18
Hawaii.....	--	--	0	--	0	--	0	0
U.S. Total.....	121	--	8	201	8	--	5	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 A4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England.....	0	16	--	6	--	--	150
Connecticut	--	0	--	33	--	--	--
Maine	--	94	--	503	--	--	--
Massachusetts.....	0	18	--	5	--	--	150
New Hampshire.....	--	33	--	--	--	--	--
Rhode Island.....	--	276	--	36	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic.....	24	26	--	8	43	--	206
New Jersey	--	298	--	27	43	--	--
New York.....	0	27	--	8	--	--	206
Pennsylvania.....	54	59	--	34	--	--	--
East North Central.....	4	26	--	5	--	--	260
Illinois	0	76	--	4	--	--	--
Indiana	9	74	--	41	--	--	--
Michigan	0	11	--	6	--	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin.....	49	797	--	33	--	--	260
West North Central.....	10	64	0	15	--	--	--
Iowa	17	393	0	87	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota.....	--	69	--	26	--	--	--
Missouri	0	218	--	0	--	--	--
Nebraska	--	--	--	638	--	--	--
North Dakota.....	--	335	--	--	--	--	--
South Dakota.....	--	454	--	--	--	--	--
South Atlantic.....	12	35	--	40	--	--	68
Delaware	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--
Florida.....	--	0	--	42	--	--	--
Georgia.....	--	45	--	0	--	--	--
Maryland	0	609	--	270	--	--	--
North Carolina.....	0	222	--	0	--	--	66
South Carolina.....	--	87	--	250	--	--	369
Virginia	53	0	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central.....	45	--	--	26	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	47	--	--	--
Tennessee.....	45	--	--	31	--	--	--
West South Central.....	--	139	--	6	--	--	--
Arkansas.....	--	--	--	237	--	--	--
Louisiana.....	--	--	--	32	--	--	--
Oklahoma.....	--	245	--	45	--	--	--
Texas.....	--	168	--	4	--	--	--
Mountain.....	--	95	--	14	--	--	--
Arizona.....	--	328	--	24	--	--	--
Colorado.....	--	0	--	0	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	25	--	--	--
New Mexico.....	--	104	--	23	--	--	--
Utah.....	--	0	--	253	--	--	--
Wyoming.....	--	--	--	--	--	--	--
Pacific Contiguous.....	--	104	--	4	0	--	12
California	--	111	--	4	0	--	80
Oregon	--	--	--	0	--	--	--
Washington	--	178	--	69	--	--	0
Pacific Noncontiguous....	6	36	--	322	--	--	--
Alaska	6	46	--	322	--	--	--
Hawaii.....	--	0	--	--	--	--	--
U.S. Total.....	4	12	0	2	43	--	16

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

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

Table A4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	80	--	9	83	9	--	8	5
Connecticut	--	--	--	--	--	--	--	33
Maine	--	--	9	--	9	--	8	6
Massachusetts.....	80	--	101	83	62	--	--	5
New Hampshire.....	--	--	--	--	--	--	--	33
Rhode Island.....	--	--	--	--	--	--	--	35
Vermont	--	--	--	--	--	--	--	--
Middle Atlantic.....	--	--	2	331	3	--	2	4
New Jersey.....	--	--	0	91	*	--	0	6
New York.....	--	--	9	--	9	--	8	5
Pennsylvania.....	--	--	0	368	5	--	0	7
East North Central.....	104	--	4	--	4	--	4	3
Illinois.....	--	--	509	--	509	--	--	4
Indiana.....	104	--	20	--	21	--	19	10
Michigan.....	--	--	4	--	4	--	4	2
Ohio.....	--	--	--	--	--	--	--	--
Wisconsin.....	--	--	14	--	14	--	135	19
West North Central.....	49	--	14	--	15	--	18	7
Iowa.....	--	--	18	--	18	--	--	14
Kansas.....	--	--	--	--	--	--	--	--
Minnesota.....	49	--	38	--	35	--	18	19
Missouri.....	--	--	--	--	--	--	0	*
Nebraska.....	--	--	27	--	27	--	--	30
North Dakota.....	--	--	--	--	--	--	--	335
South Dakota.....	--	--	--	--	--	--	--	454
South Atlantic.....	--	--	4	--	4	--	4	4
Delaware.....	--	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--
Florida.....	--	--	15	--	15	--	--	21
Georgia.....	--	--	20	--	20	--	--	19
Maryland.....	--	--	13	--	13	--	618	15
North Carolina.....	--	--	--	--	--	--	--	8
South Carolina.....	--	--	--	--	--	--	--	168
Virginia.....	--	--	4	--	4	--	4	4
West Virginia.....	--	--	--	--	--	--	--	--
East South Central.....	--	--	--	--	--	--	--	23
Alabama.....	--	--	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	--	--	--	--	47
Tennessee.....	--	--	--	--	--	--	--	26
West South Central.....	--	--	14	--	14	--	--	5
Arkansas.....	--	--	44	--	44	--	--	57
Louisiana.....	--	--	--	--	--	--	--	32
Oklahoma.....	--	--	--	--	--	--	--	44
Texas.....	--	--	15	--	15	--	--	4
Mountain.....	50	--	47	266	55	--	--	13
Arizona.....	--	--	47	--	47	--	--	22
Colorado.....	50	--	--	266	66	--	--	54
Idaho.....	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	25
New Mexico.....	--	--	--	--	--	--	--	23
Utah.....	--	--	--	--	--	--	--	253
Wyoming.....	--	--	--	--	--	--	--	--
Pacific Contiguous.....	--	--	5	297	5	--	0	3
California.....	--	--	5	297	5	--	0	3
Oregon.....	--	--	20	--	20	--	--	20
Washington.....	--	--	--	--	--	--	--	11
Pacific Noncontiguous.....	--	--	0	--	0	--	0	2
Alaska.....	--	--	--	--	--	--	--	6
Hawaii.....	--	--	0	--	0	--	0	0
U.S. Total.....	31	--	2	165	2	--	2	1

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

Table A5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England.....	80	19	--	8	--	--	20
Connecticut	--	513	--	47	--	--	--
Maine	0	17	--	7	--	--	19
Massachusetts.....	144	7,753	--	69	--	--	535
New Hampshire.....	--	1,392	--	152	--	--	505
Rhode Island.....	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	206
Middle Atlantic.....	19	12	435	21	10	--	141
New Jersey	--	370	--	35	50	--	--
New York.....	0	5	--	38	--	--	141
Pennsylvania	26	343	435	32	7	--	--
East North Central	8	28	35	20	8	--	80
Illinois	10	15,323	--	44	52	--	--
Indiana	134	40	--	25	7	--	--
Michigan	50	0	132	58	--	--	190
Ohio	15	0	157	124	34	--	--
Wisconsin.....	14	625	0	84	--	--	88
West North Central	14	171	--	74	92	--	90
Iowa	14	1,431	--	0	--	--	--
Kansas	--	--	--	0	--	--	--
Minnesota.....	32	389	--	88	--	--	90
Missouri	64	0	--	750	--	--	--
Nebraska	145	--	--	0	--	--	--
North Dakota.....	89	147	--	174	92	--	--
South Dakota.....	--	--	--	--	--	--	--
South Atlantic.....	13	23	0	8	0	--	11
Delaware	--	--	--	0	0	--	--
District of Columbia.....	--	--	--	--	--	--	--
Florida.....	85	34	--	9	0	--	--
Georgia.....	16	44	0	23	--	--	236
Maryland	0	0	--	96	--	--	--
North Carolina.....	72	185	--	98	--	--	1,041
South Carolina.....	0	0	--	0	0	--	--
Virginia	26	36	--	46	--	--	302
West Virginia	3	--	--	285	0	--	0
East South Central	11	161	--	13	11	--	--
Alabama	42	170	--	14	11	--	--
Kentucky	--	--	--	50	--	--	--
Mississippi	0	0	--	34	0	--	--
Tennessee.....	6	386	--	34	0	--	--
West South Central	6	13	61	1	5	--	--
Arkansas.....	0	293	0	23	--	--	--
Louisiana.....	0	0	77	2	9	--	--
Oklahoma	75	6,789	2,534	72	--	--	--
Texas.....	0	14	58	2	6	--	--
Mountain.....	51	162	0	14	9	--	--
Arizona.....	94	162	0	336	--	--	--
Colorado.....	--	11,500	--	170	--	--	--
Idaho	99	--	--	39	--	--	--
Montana	--	0	--	1,463	243	--	--
Nevada	--	--	--	43	--	--	--
New Mexico.....	--	10,215	--	211	--	--	--
Utah.....	0	--	--	39	87	--	--
Wyoming.....	73	929	--	8	5	--	--
Pacific Contiguous	0	75	0	6	4	--	588
California	0	47	0	6	4	--	--
Oregon	--	0	--	75	--	--	--
Washington	0	94	--	0	--	--	588
Pacific Noncontiguous	279	44	--	96	112	--	150
Alaska	--	88	--	96	--	--	--
Hawaii	279	30	--	--	112	--	150
U.S. Total	5	13	26	2	4	--	14

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.
Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table A5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	--	--	2	--	2	--	22	6
Connecticut	--	--	--	--	--	--	67	45
Maine	--	--	2	--	2	--	0	5
Massachusetts.....	--	--	--	--	--	--	--	63
New Hampshire.....	--	--	0	--	0	--	--	160
Rhode Island.....	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	206
Middle Atlantic.....	0	--	7	231	7	--	0	9
New Jersey.....	--	--	--	--	--	--	0	29
New York.....	0	--	0	--	0	--	--	13
Pennsylvania.....	--	--	11	231	11	--	--	12
East North Central.....	265	--	4	--	4	--	3	5
Illinois	--	--	0	--	0	--	0	10
Indiana	--	--	97	--	97	--	0	7
Michigan	--	--	6	--	6	--	0	16
Ohio	265	--	7	--	8	--	0	12
Wisconsin.....	--	--	7	--	7	--	42	10
West North Central.....	--	--	7	--	7	--	98	12
Iowa	--	--	0	--	0	--	--	14
Kansas	--	--	--	--	--	--	--	0
Minnesota.....	--	--	6	--	6	--	98	19
Missouri	--	--	173	--	173	--	--	61
Nebraska	--	--	--	--	--	--	--	145
North Dakota.....	--	--	110	--	110	--	--	59
South Dakota.....	--	--	--	--	--	--	--	--
South Atlantic.....	--	--	2	365	2	--	2	2
Delaware	--	--	--	--	--	--	--	0
District of Columbia.....	--	--	--	--	--	--	--	--
Florida.....	--	--	5	--	5	--	2	5
Georgia.....	--	--	3	--	3	--	10	4
Maryland.....	--	--	0	--	0	--	--	12
North Carolina.....	--	--	4	365	4	--	0	12
South Carolina.....	--	--	0	--	0	--	0	0
Virginia	--	--	4	--	4	--	0	10
West Virginia.....	--	--	--	--	--	--	0	2
East South Central.....	--	--	2	--	2	--	55	3
Alabama.....	--	--	3	--	3	--	0	5
Kentucky.....	--	--	1	--	1	--	--	17
Mississippi.....	--	--	2	--	2	--	84	7
Tennessee.....	--	--	7	--	7	--	0	5
West South Central.....	--	--	3	--	3	--	8	1
Arkansas.....	--	--	2	--	2	--	0	3
Louisiana.....	--	--	4	--	4	--	5	2
Oklahoma.....	--	--	16	--	16	--	0	30
Texas.....	--	--	7	--	7	--	13	2
Mountain.....	391	--	0	247	4	--	8	11
Arizona.....	--	--	--	--	--	--	--	90
Colorado.....	391	--	--	--	391	--	34	50
Idaho.....	--	--	0	--	0	--	0	14
Montana.....	--	--	--	--	--	--	--	250
Nevada.....	--	--	--	247	247	--	--	43
New Mexico.....	--	--	--	--	--	--	--	211
Utah.....	--	--	--	--	--	--	0	21
Wyoming.....	--	--	--	--	--	--	0	13
Pacific Contiguous.....	--	--	4	--	4	--	7	4
California.....	--	--	10	--	10	--	7	4
Oregon.....	--	--	6	--	6	--	0	15
Washington.....	--	--	4	--	4	--	--	4
Pacific Noncontiguous.....	--	--	35	--	35	--	--	37
Alaska.....	--	--	149	--	149	--	--	68
Hawaii.....	--	--	36	--	36	--	--	44
U.S. Total.....	223	--	1	175	1	--	3	1

Table A5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through December 2011
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	21	6	--	3	--	--	6
Connecticut	--	143	--	15	--	--	--
Maine	0	6	--	3	--	--	6
Massachusetts.....	41	2,630	--	21	--	--	160
New Hampshire.....	--	326	--	53	--	--	151
Rhode Island.....	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	65
Middle Atlantic	4	5	107	7	3	--	44
New Jersey	--	154	--	12	12	--	--
New York	0	3	--	14	--	--	44
Pennsylvania	6	64	107	11	2	--	--
East North Central	2	11	11	7	2	--	25
Illinois	2	2,100	--	14	13	--	--
Indiana	35	6	--	9	2	--	--
Michigan	14	0	35	20	--	--	60
Ohio	6	0	38	37	10	--	--
Wisconsin.....	4	91	0	27	--	--	27
West North Central	4	50	--	29	21	--	26
Iowa	4	173	--	88	--	--	--
Kansas	--	--	--	0	--	--	--
Minnesota.....	8	63	--	32	--	--	26
Missouri	26	309	--	257	--	--	--
Nebraska	37	--	--	0	--	--	--
North Dakota.....	23	74	--	62	21	--	--
South Dakota.....	--	--	--	--	--	--	--
South Atlantic	3	6	0	3	0	--	4
Delaware	--	--	--	0	0	--	--
District of Columbia.....	--	--	--	--	--	--	--
Florida.....	14	13	--	3	0	--	--
Georgia.....	4	8	0	8	--	--	72
Maryland	0	0	--	33	--	--	--
North Carolina.....	13	25	--	24	--	--	302
South Carolina.....	3	0	--	0	0	--	--
Virginia	6	12	--	19	--	--	94
West Virginia	1	--	--	86	0	--	0
East South Central	3	25	--	4	4	--	--
Alabama	9	28	--	4	4	--	--
Kentucky	--	--	--	18	--	--	--
Mississippi	0	0	--	10	0	--	--
Tennessee.....	2	97	--	8	0	--	--
West South Central	1	12	16	*	2	--	--
Arkansas.....	0	54	0	8	--	--	--
Louisiana.....	0	0	20	1	3	--	--
Oklahoma	12	1,042	256	23	--	--	--
Texas.....	0	16	15	1	2	--	--
Mountain	6	48	0	5	4	--	--
Arizona.....	15	46	0	198	--	--	--
Colorado.....	--	1,392	--	51	--	--	--
Idaho	26	--	--	11	--	--	--
Montana	--	0	--	507	73	--	--
Nevada	--	--	--	13	--	--	--
New Mexico.....	--	1,237	--	61	--	--	--
Utah.....	0	--	--	13	29	--	--
Wyoming.....	17	388	--	4	2	--	--
Pacific Contiguous	0	40	0	2	2	--	188
California	0	278	0	2	2	--	--
Oregon	--	0	--	24	--	--	--
Washington	0	23	--	0	--	--	188
Pacific Noncontiguous	40	63	--	33	37	--	46
Alaska	--	11	--	33	--	--	--
Hawaii.....	40	87	--	--	37	--	46
U.S. Total	1	18	7	*	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 "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

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

Table A5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through December 2011 (Continued)
(Percent)

Census Division and State	Wind	Geothermal	Biomass	Solar	Total Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	--	--	1	--	1	--	8	2
Connecticut	--	--	--	--	--	--	23	15
Maine	--	--	1	--	1	--	0	2
Massachusetts.....	--	--	--	--	--	--	--	19
New Hampshire.....	--	--	2,069	--	2,069	--	--	50
Rhode Island.....	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	65
Middle Atlantic.....	123	--	2	209	3	--	0	3
New Jersey.....	--	--	--	--	--	--	0	10
New York.....	123	--	0	--	1	--	--	4
Pennsylvania.....	--	--	3	209	4	--	--	3
East North Central.....	107	--	1	--	1	--	2	1
Illinois	--	--	0	--	0	--	0	3
Indiana	--	--	24	--	24	--	2	2
Michigan	--	--	2	--	2	--	0	5
Ohio	107	--	2	--	2	--	0	4
Wisconsin.....	--	--	2	--	2	--	18	3
West North Central.....	--	--	2	--	2	--	35	3
Iowa	--	--	0	--	0	--	--	4
Kansas	--	--	--	--	--	--	--	0
Minnesota.....	--	--	2	--	2	--	35	5
Missouri	--	--	47	--	47	--	--	25
Nebraska	--	--	--	--	--	--	--	37
North Dakota.....	--	--	27	--	27	--	--	16
South Dakota.....	--	--	--	--	--	--	--	--
South Atlantic.....	--	--	1	422	1	--	1	1
Delaware	--	--	--	--	--	--	--	0
District of Columbia.....	--	--	--	--	--	--	--	--
Florida.....	--	--	1	--	1	--	1	1
Georgia.....	--	--	1	--	1	--	13	1
Maryland.....	--	--	0	--	0	--	--	4
North Carolina.....	--	--	1	422	1	--	0	3
South Carolina.....	--	--	0	--	0	--	0	*
Virginia	--	--	1	--	1	--	0	3
West Virginia.....	--	--	--	--	--	--	0	1
East South Central.....	--	--	1	--	1	--	22	1
Alabama.....	--	--	1	--	1	--	0	1
Kentucky.....	--	--	1	--	1	--	--	7
Mississippi.....	--	--	1	--	1	--	30	2
Tennessee.....	--	--	2	--	2	--	28	1
West South Central.....	--	--	1	--	1	--	3	*
Arkansas.....	--	--	1	--	1	--	0	1
Louisiana.....	--	--	1	--	1	--	2	1
Oklahoma.....	--	--	5	--	5	--	0	7
Texas.....	--	--	2	--	2	--	4	1
Mountain.....	82	--	0	33	1	--	3	3
Arizona.....	--	--	--	--	--	--	--	15
Colorado.....	82	--	--	--	82	--	12	14
Idaho.....	--	--	0	--	0	--	0	4
Montana.....	--	--	--	--	--	--	--	82
Nevada.....	--	--	--	33	33	--	--	13
New Mexico.....	--	--	--	--	--	--	--	61
Utah.....	--	--	--	--	--	--	0	3
Wyoming.....	--	--	--	--	--	--	0	4
Pacific Contiguous.....	--	--	1	--	1	--	3	1
California.....	--	--	3	--	3	--	3	1
Oregon.....	--	--	2	--	2	--	0	4
Washington.....	--	--	2	--	2	--	--	2
Pacific Noncontiguous.....	--	--	9	--	9	--	--	24
Alaska.....	--	--	38	--	38	--	--	17
Hawaii.....	--	--	9	--	9	--	--	30
U.S. Total.....	58	--	*	155	*	--	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 A6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, December 2011
(Percent)

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

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

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A6.B. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through December 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*	*	*	0	*
Connecticut	*	*	1	0	*
Maine	*	*	*	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	1	1	3	0	1
Vermont	1	*	1	0	1
Middle Atlantic	*	*	*	0	*
New Jersey	*	*	*	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	*	0	*
East North Central	*	*	*	0	*
Illinois	*	*	*	0	*
Indiana	*	*	*	0	*
Michigan	*	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	*	0	*
West North Central	*	*	*	0	*
Iowa	1	*	*	0	*
Kansas	1	*	1	0	*
Minnesota	*	*	*	0	*
Missouri	*	*	1	0	*
Nebraska	1	*	1	0	*
North Dakota	1	*	1	0	*
South Dakota	1	*	1	0	*
South Atlantic	*	*	*	0	*
Delaware	1	*	1	0	*
District of Columbia	0	0	0	0	0
Florida	*	*	*	0	*
Georgia	1	*	*	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	*	0	*
South Carolina	1	*	*	0	*
Virginia	*	*	*	0	*
West Virginia	*	*	*	0	*
East South Central	*	*	*	0	*
Alabama	1	*	*	0	*
Kentucky	1	*	*	0	*
Mississippi	1	*	*	0	*
Tennessee	*	*	1	0	*
West South Central	*	*	*	*	*
Arkansas	1	*	*	45	*
Louisiana	1	*	*	0	*
Oklahoma	1	*	*	0	*
Texas	*	*	*	0	*
Mountain	*	*	*	0	*
Arizona	*	*	*	0	*
Colorado	1	*	*	0	*
Idaho	*	*	*	0	*
Montana	1	*	1	0	*
Nevada	*	*	*	0	*
New Mexico	1	*	1	0	*
Utah	1	*	*	0	*
Wyoming	1	*	*	0	*
Pacific Contiguous	*	*	*	0	*
California	*	*	*	0	*
Oregon	*	*	1	0	*
Washington	*	*	*	0	*
Pacific Noncontiguous	*	*	*	0	*
Alaska	1	*	1	0	*
Hawaii	0	0	0	0	0
U.S. Total	*	*	*	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 "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, December 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*	*	1	0	*
Connecticut	*	*	2	0	*
Maine	*	*	1	0	*
Massachusetts	1	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	0	0	0	0	0
Vermont	2	1	3	0	1
Middle Atlantic	*	*	*	0	*
New Jersey	*	*	1	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	*	0	*
East North Central	*	*	1	0	*
Illinois	1	*	2	0	*
Indiana	1	1	1	0	1
Michigan	1	*	1	0	*
Ohio	1	*	1	0	*
Wisconsin	1	1	1	0	1
West North Central	1	1	1	0	1
Iowa	2	2	2	0	1
Kansas	3	2	3	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	3	0	2
South Atlantic	1	*	1	0	*
Delaware	1	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	1
Georgia	2	1	2	0	1
Maryland	1	*	1	0	*
North Carolina	2	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	1	0	1
West South Central	1	1	1	1	1
Arkansas	3	2	2	157	2
Louisiana	2	1	1	0	1
Oklahoma	3	2	2	0	1
Texas	1	1	1	0	1
Mountain	1	*	1	0	*
Arizona	1	*	1	0	*
Colorado	2	1	2	0	1
Idaho	1	1	3	0	1
Montana	3	1	3	0	1
Nevada	1	1	*	0	*
New Mexico	2	1	4	0	1
Utah	2	1	1	0	1
Wyoming	3	2	1	0	1
Pacific Contiguous	*	*	1	0	*
California	*	*	1	0	*
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	1	1	*	0	*
Alaska	3	3	2	0	2
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 "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A7.B. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through December 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*	*	*	0	*
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	1	1	2	0	1
Vermont	1	*	1	0	*
Middle Atlantic	*	*	*	*	*
New Jersey	*	*	*	0	*
New York	*	*	*	0	*
Pennsylvania	*	*	*	*	*
East North Central	*	*	*	0	*
Illinois	*	*	1	0	*
Indiana	*	*	*	0	*
Michigan	*	*	*	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	*	0	*
West North Central	*	*	*	0	*
Iowa	1	*	1	0	*
Kansas	1	*	1	0	*
Minnesota	1	*	1	0	*
Missouri	1	*	1	0	*
Nebraska	1	*	1	0	*
North Dakota	1	*	1	0	*
South Dakota	1	1	1	0	1
South Atlantic	*	*	*	0	*
Delaware	1	*	2	0	*
District of Columbia	0	0	0	0	0
Florida	*	*	1	0	*
Georgia	1	*	*	0	*
Maryland	*	*	1	0	*
North Carolina	*	*	*	0	*
South Carolina	1	*	*	0	*
Virginia	*	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	*	*	*	0	*
Alabama	1	*	*	0	*
Kentucky	1	*	*	0	*
Mississippi	*	*	1	0	*
Tennessee	*	*	1	0	*
West South Central	*	*	*	*	*
Arkansas	1	*	1	32	*
Louisiana	1	*	*	0	*
Oklahoma	1	*	1	0	*
Texas	*	*	*	0	*
Mountain	*	*	*	0	*
Arizona	*	*	*	0	*
Colorado	1	*	1	0	*
Idaho	1	*	*	0	*
Montana	1	*	1	0	*
Nevada	*	*	*	0	*
New Mexico	1	*	1	0	*
Utah	1	*	*	0	*
Wyoming	1	*	*	0	*
Pacific Contiguous	*	*	*	0	*
California	*	*	*	0	*
Oregon	*	*	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	*	*	*	0	*
Alaska	1	1	1	0	*
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 "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, December 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*	*	1	0	*
Connecticut	*	*	3	0	*
Maine	1	*	1	0	*
Massachusetts	1	1	2	0	1
New Hampshire	1	*	2	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	4	0	1
Middle Atlantic	*	*	*	0	*
New Jersey	*	*	1	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	1	0	*
East North Central	*	*	1	0	*
Illinois	1	*	2	0	*
Indiana	1	1	1	0	1
Michigan	1	1	1	0	*
Ohio	1	*	1	0	*
Wisconsin	2	1	2	0	1
West North Central	1	1	1	0	1
Iowa	3	2	2	0	2
Kansas	4	2	4	0	2
Minnesota	2	1	2	0	1
Missouri	1	1	3	0	1
Nebraska	3	2	3	0	2
North Dakota	3	2	5	0	2
South Dakota	4	3	4	0	2
South Atlantic	1	*	1	0	1
Delaware	2	1	4	0	1
District of Columbia	0	0	0	0	0
Florida	2	1	3	0	1
Georgia	3	1	2	0	1
Maryland	1	*	2	0	*
North Carolina	2	1	2	0	1
South Carolina	3	1	2	0	1
Virginia	2	1	3	0	1
West Virginia	*	*	*	0	*
East South Central	1	1	1	0	1
Alabama	3	2	1	0	1
Kentucky	2	1	1	0	1
Mississippi	4	2	3	0	2
Tennessee	1	1	2	0	1
West South Central	2	1	1	1	1
Arkansas	4	2	2	206	2
Louisiana	3	1	1	0	1
Oklahoma	3	2	3	0	2
Texas	2	1	1	0	1
Mountain	1	*	1	0	*
Arizona	1	1	2	0	1
Colorado	2	1	3	0	1
Idaho	2	1	3	0	1
Montana	3	2	4	0	2
Nevada	1	1	1	0	*
New Mexico	3	1	4	0	2
Utah	2	1	1	0	1
Wyoming	3	2	1	0	1
Pacific Contiguous	*	*	1	0	*
California	*	*	1	0	*
Oregon	2	1	3	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	1	1	1	0	1
Alaska	4	3	4	0	2
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 "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A8.B. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through December 2011
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*	*	1	0	*
Connecticut	*	*	1	0	*
Maine	*	*	1	0	*
Massachusetts	*	*	1	0	*
New Hampshire	*	*	1	0	*
Rhode Island	2	1	3	0	1
Vermont	1	*	2	0	1
Middle Atlantic	*	*	*	*	*
New Jersey	*	*	1	0	*
New York	*	*	1	0	*
Pennsylvania	*	*	*	*	*
East North Central	*	*	*	0	*
Illinois	*	*	1	0	*
Indiana	1	*	1	0	*
Michigan	*	*	*	0	*
Ohio	*	*	1	0	*
Wisconsin	1	*	1	0	*
West North Central	*	*	*	0	*
Iowa	1	*	1	0	*
Kansas	1	1	1	0	1
Minnesota	1	*	1	0	*
Missouri	1	*	1	0	*
Nebraska	1	1	1	0	*
North Dakota	1	*	2	0	1
South Dakota	1	1	1	0	1
South Atlantic	*	*	*	0	*
Delaware	1	*	2	0	1
District of Columbia	0	0	0	0	0
Florida	*	*	1	0	*
Georgia	1	*	1	0	*
Maryland	*	*	1	0	*
North Carolina	1	*	1	0	*
South Carolina	1	*	*	0	*
Virginia	1	*	1	0	*
West Virginia	*	*	*	0	*
East South Central	*	*	*	0	*
Alabama	1	*	*	0	*
Kentucky	1	*	1	0	*
Mississippi	1	1	1	0	1
Tennessee	1	*	1	0	*
West South Central	*	*	*	*	*
Arkansas	1	1	1	55	1
Louisiana	1	*	*	0	*
Oklahoma	1	*	1	0	*
Texas	*	*	*	0	*
Mountain	*	*	*	0	*
Arizona	*	*	*	0	*
Colorado	1	*	1	0	*
Idaho	1	*	*	0	*
Montana	1	*	1	0	1
Nevada	*	*	*	0	*
New Mexico	1	*	1	0	*
Utah	1	*	*	0	*
Wyoming	1	*	*	0	*
Pacific Contiguous	*	*	*	0	*
California	*	*	*	0	*
Oregon	1	*	1	0	*
Washington	*	*	1	0	*
Pacific Noncontiguous	*	*	*	0	*
Alaska	1	1	1	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 "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2011 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: U.S. Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Appendix B

Major Disturbances and Unusual Occurrences

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2011

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹¹	Restoration Date/Time
January							
01/12/11	National Grid(NPCC)	6:00 a.m.	Massachusetts	Winter Storm	N/A	80,000	2:00 p.m. January 12
01/13/11	JEA(FRCC)	7:21 a.m.	North Florida	Firm System Load Shed	150	20,900	8:13 a.m. January 13
01/26/11	Potomac Electric Power Co/PEPCO Holdings Inc.(RFC)	5:00 p.m.	Montgomery and Prince George's County, Maryland and District of Columbia	Winter Storm	N/A	210,000	8:00 a.m. January 31
01/26/11	Baltimore Gas and Electric Company(RFC)	6:28 p.m.	Maryland	Winter Storm	N/A	234,326	5:00 p.m. January 29
01/26/11	Dominion - Virginia Power(SERC)	7:43 p.m.	Northern Virginia	Winter Storm	600	150,084	6:18 p.m. January 27
01/27/11	Delmarva Power & Light Company(RFC)	9:30 a.m.	Hockessin, Delaware	Vandalism	0	0	9:30 a.m. January 27
01/27/11	AES Greenidge, LLC(NPCC)	5:00 p.m.	Central New York	Fuel Supply Deficiency (Coal)	108	N/A	5:00 a.m. January 30
01/31/11	Duke Energy Midwest(RFC)	10:00 p.m.	Southwestern Ohio and Indiana	Ice Storm	996	272,880	12:00 p.m. February 03
February							
02/01/11	American Electric Power - Ohio(RFC)	3:00 p.m.	Indiana, Ohio	Winter Storm	Unknown	158,013	12:00 p.m. February 03
02/01/11	Exelon Corp/ComEd - Commonwealth Edison(RFC)	9:00 p.m.	Northern Illinois	Winter Storm	Unknown	190,000	2:00 p.m. February 02
02/02/11	Exelon Corporation/PECO(RFC)	3:00 a.m.	Philadelphia area, Pennsylvania	Winter Storm	Unknown	213,000	11:59 p.m. February 04
02/02/11	ERCOT ISO(TRE)	5:43 a.m.	Texas	Generation Inadequacy/Load Shed	4,000	1,069,730	10:00 a.m. February 03
02/02/11	Salt River Project(WECC)	6:22 a.m.	Central Arizona	Generation Inadequacy/Load Shed	3,963	69,000	9:57 a.m. February 02
02/02/11	El Paso Electric Company(WECC)	7:24 a.m.	Dona Ana and El Paso Counties, Texas and Hudspeth County, New Mexico	Generation Inadequacy/Load Shed	280	178,000	10:23 p.m. February 02
02/02/11	Southwestern Public Service(SPP)	5:00 p.m.	Texas Panhandle, Southeastern New Mexico	Fuel Supply Deficiency (Natural Gas)	Unknown	Unknown	10:00 p.m. February 03
02/03/11	San Diego Gas and Electric Company(WECC)	3:00 p.m.	San Diego area, California	Fuel Supply Deficiency (Natural Gas)	N/A	Unknown	12:00 p.m. February 04
02/03/11	ERCOT ISO(TRE)	10:04 p.m.	Texas	Generation Inadequacy/Load Shed	400	86,013	12:32 p.m. February 04
02/09/11	CenterPoint Energy(TRE)	3:45 a.m.	Western Houston, Texas	Winter Storm	399	60,000	9:12 a.m. February 09
02/09/11	ERCOT ISO(TRE)	4:30 p.m.	Texas	Cold Weather Event	N/A	N/A	12:33 p.m. February 10
02/17/11	Pacific Gas and Electric(WECC)	1:25 a.m.	Northern and Central California	Major Storm	91	80,000	10:13 a.m. February 19
02/19/11	Exelon Corporation/PECO(RFC)	12:30 p.m.	Philadelphia area, Pennsylvania	Major Storm	Unknown	118,000	4:00 a.m. February 20
02/20/11	Consumers Energy(RFC)	4:00 p.m.	Southern Lower Peninsula, Michigan	Winter Storm	262	160,000	4:00 p.m. February 23
02/24/11	American Electric Power (CSWS-SPP)(SPP)	4:51 p.m.	Arkansas	Electrical System Separation (Islanding)	4	Unknown	4:54 p.m. February 24
02/25/11	Pacific Gas and Electric(WECC)	8:00 a.m.	Northern and Central California	Winter Storm	91	80,000	5:30 p.m. February 28
02/25/11	Dominion - Virginia Power(SERC)	3:20 p.m.	Virginia	Severe Weather	Unknown	50,000	6:00 p.m. February 25
02/25/11	Baltimore Gas & Electric(RFC)	3:23 p.m.	Maryland	Severe Weather	Unknown	93,000	6:00 p.m. February 27
March							
03/01/11	AES Somerset(NPCC)	8:00 a.m.	Western New York	Fuel Supply Deficiency (Coal)	675	Unknown	9:30 a.m. March 05
03/08/11	AES Somerset(NPCC)	8:00 a.m.	Western New York	Fuel Supply Deficiency (Coal)	676	Unknown	9:00 a.m. March 18
03/11/11	Pacific Gas and Electric(WECC)	7:02 a.m.	Humboldt and Eureka, California	Generation Inadequacy/Load Shed	15	6,800	9:15 a.m. March 11
03/13/11	PacifiCorp(WECC)	2:20 p.m.	Oregon	Severe Weather	Unknown	9,000	3:46 p.m. March 14

¹¹ Estimated values.

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2011

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹	Restoration Date/Time
03/19/11	Pacific Gas and Electric(WECC)	11:56 p.m.	Northern and Central California	Major Storm	91	128,000	7:10 p.m. March 24
03/20/11	Los Angeles Department of Water and Power(WECC)	9:44 a.m.	Los Angeles, California	Major Storm	Unknown	79,000	10:00 a.m. March 21
03/21/11	Southern California Edison Company (SCE)(WECC)	12:35 p.m.	Southern California	Major Storm	150	54,332	2:45 p.m. March 21
03/23/11	American Electric Power - AEP(RFC)	6:30 p.m.	Indiana, Kentucky, Michigan, Ohio, Tennessee, Virginia, West Virginia	Major Storm	Unknown	60,596	4:55 a.m. March 24
03/27/11	Pacific Gas and Electric(WECC)	1:27 p.m.	Sonoma and Central Valley, California	Transmission Level Outage	295	165,000	5:00 p.m. March 27
03/31/11	Tampa Electric Company(FRCC)	11:30 a.m.	Greater Tampa Bay, Florida	Severe Weather	206	87,000	8:30 p.m. March 31
03/31/11	Progress Energy Florida (PEF)(FRCC)	2:30 p.m.	Central and Western Florida	Severe Weather	Unknown	50,000	11:59 p.m. April 01
April							
04/04/11	Tennessee Valley Authority(SERC)	11:47 a.m.	Memphis, Tennessee	Severe Weather	359	63,000	12:01 a.m. April 08
04/04/11	Memphis Light Gas and Water Division(SERC)	1:00 p.m.	Shelby County, Tennessee	Severe Weather	300	63,000	12:00 a.m. April 05
04/04/11	Tennessee Valley Authority(SERC)	2:00 p.m.	Davidson Count, Tennessee	Severe Weather	300	73,000	12:01 a.m. April 08
04/04/11	Entergy Corporation(SERC)	7:00 p.m.	Southeast Arkansas, Southeast Louisiana, Western Mississippi, Eastern Texas	Severe Weather	Unknown	74,645	8:00 p.m. April 05
04/04/11	American Electric Power (AEP)(RFC)	7:00 p.m.	Kentucky, West Virginia	Severe Weather	Unknown	52,920	12:00 p.m. April 05
04/04/11	Southern Company(SERC)	9:00 p.m.	Alabama, Florida, Georgia, Mississippi	Severe Weather	674	303,434	11:30 p.m. April 05
04/05/11	Duke Energy Carolinas(SERC)	2:00 a.m.	North Carolina, South Carolina	Severe Weather	1,200	256,000	11:00 p.m. April 07
04/16/11	Progress Energy Carolinas Inc(SERC)	2:16 p.m.	Central and Eastern North Carolina	Severe Weather	Unknown	220,000	4:30 p.m. April 17
04/19/11	Ameren Illinois(SERC)	8:00 p.m.	Illinois	Severe Weather	Unknown	80,000	10:00 p.m. April 19
04/19/11	Memphis Light Gas and Water Division(SERC)	10:44 p.m.	Memphis, Tennessee	Severe Weather	100	64,000	2:00 a.m. April 20
04/19/11	Tennessee Valley Authority(SERC)	11:02 p.m.	Memphis, Tennessee	Severe Weather	300	105,000	5:32 p.m. April 21
04/19/11	Constellation Energy Control and Dispatch(SERC)	11:13 p.m.	Osceola, Arkansas	Severe Weather	22	Unknown	7:14 p.m. April 20
04/20/11	Duke Energy Midwest(RFC)	2:00 a.m.	Indiana, Kentucky, Ohio	Severe Weather - High Winds	Unknown	165,711	12:00 p.m. April 21
04/20/11	City of Ruston & Constellation Energy(SERC)	8:07 a.m.	Ruston, Louisiana	Equipment Malfunction	33	11,000	8:14 a.m. April 20
04/22/11	Ameren(SERC)	9:00 p.m.	Metro St. Louis area, Missouri	Severe Weather	0	55,000	11:00 p.m. April 22
04/25/11	Tennessee Valley Authority(SERC)	4:33 p.m.	Northeast Tennessee	Equipment Malfunction	140	Unknown	5:19 p.m. April 25
04/25/11	Entergy Corporation(SPP)	5:30 p.m.	Arkansas, Louisiana, Mississippi	Severe Weather	Unknown	141,700	6:00 p.m. April 27
04/26/11	Entergy Corporation(SPP)	5:49 a.m.	Southern Louisiana	Severe Weather	120	Unknown	9:59 a.m. April 27
04/26/11	Tennessee Valley Authority(SERC)	9:51 a.m.	Alabama, Georgia, Mississippi, Tennessee	Severe Weather	Unknown	55,000	9:51 a.m. April 28
04/26/11	West Memphis Utilities(SPP)	6:14 p.m.	Eastern Arkansas	Severe Weather	50	13,000	5:00 p.m. April 28
04/27/11	Southern Company(SERC)	8:00 a.m.	Alabama, Florida, Georgia, Mississippi	Severe Weather	1,422	426,640	4:03 p.m. May 02
04/27/11	Tennessee Valley Authority(SERC)	10:00 a.m.	Alabama, Georgia, Mississippi, Tennessee	Severe Weather	Unknown	612,000	4:29 p.m. April 29
04/27/11	American Electric Power(SERC)	10:00 p.m.	Ohio, Tennessee, Virginia	Severe Weather	0	69,000	10:00 a.m. April 28
04/28/11	FirstEnergy Service Company(RFC)	5:00 a.m.	Cleveland area, Ohio	Severe Weather	Unknown	86,000	6:30 p.m. April 30
04/28/11	Mesquite Power, LLC(WECC)	4:09 p.m.	Phoenix, Arizona	Equipment Malfunction	960	Unknown	4:10 p.m. April 28
May							
05/02/11	Hawaiian Electric Company(N/A)	5:06 p.m.	Hawaii	Severe Weather	220	62,000	8:00 p.m. May 02
05/10/11	Midwest Independent System Operator (MISO)(RFC)	3:25 a.m.	Upper Peninsula, Michigan	Generation Inadequacy; Load Shed; Electrical System Separation (Islanding)	585	78,213	2:10 p.m. May 11
05/10/11	American Electric Power(RFC)	10:21 p.m.	Kentucky, West Virginia	Severe Weather	Unknown	58,000	2:25 p.m. May 11
05/11/11	Duke Energy Carolinas(SERC)	12:15 a.m.	Charlotte, North Carolina	Severe Weather	300	71,000	5:20 p.m. May 11
05/22/11	Empire District Electric(SPP)	5:09 p.m.	Joplin, Sarcouxie, and Wentworth, Missouri	Severe Weather	200	20,000	12:01 p.m. May 31
05/23/11	Ameren(SERC)	12:30 p.m.	St. Louis County, Missouri	Severe Weather	Unknown	70,000	12:30 p.m. May 25
05/23/11	Duke Energy Midwest(RFC)	4:45 p.m.	Central, Indiana	Severe Weather	1,024	215,387	11:59 p.m. May 25
05/24/11	Dominion Virginia Power(SERC)	4:35 p.m.	Eastern Virginia	Severe Weather	790	175,000	12:40 p.m. May 25
05/24/11	Oklahoma Gas & Electric(SPP)	4:45 p.m.	Central Oklahoma	Severe Weather	Unknown	54,000	5:00 p.m. May 26

05/25/11	Duke Energy Midwest(RFC)	10:14 p.m.	Central Indiana	Severe Weather	200	141,000	11:00 a.m. May	28
05/26/11	Greenwood Utilities Commission(SERC)	1:00 a.m.	Greenwood, Mississippi	Transmission Level Interruption	30	10,000	6:00 a.m. May	26
05/26/11	Southern Company(SERC)	6:30 p.m.	Southern Balancing Area, Georgia	Severe Weather	729	218,783	4:44 a.m. May	28
05/26/11	PPL Electric Utilities(RFC)	7:56 p.m.	Central Pennsylvania	Severe Weather	150	120,001	6:00 p.m. May	27
05/29/11	Consumers Energy(RFC)	6:30 p.m.	Mid and Southern Lower Peninsula, Michigan	Severe Weather	250	113,000	10:00 p.m. May	31
June								
06/02/11	South Carolina Electric and Gas(SERC)	11:45 p.m.	Greater Columbia, South Carolina	Severe Weather	0	50,465	4:00 p.m. June	04
06/05/11	CenterPoint Energy(TRE)	5:30 a.m.	Houston Metro-Area, Texas	Severe Thunderstorms	473	78,000	1:30 a.m. June	06
06/05/11	Pacific Gas and Electric(WECC)	8:02 p.m.	Melones, California	Electrical System Separation (Islanding)	10	5,314	8:55 p.m. June	05
06/06/11	El Paso Electric Company(SPP)	12:13 a.m.	El Paso County, Texas; Dona Ana County, New Mexico	Load Shed/ Automatic undervoltage relay action	450	162,000	3:15 a.m. June	06
06/06/11	West Memphis Utilities(SPP)	3:00 p.m.	Eastern, Arkansas	Public Appeal to Reduce Electricity Usage	Unknown	13,000	3:00 p.m. June	08
06/07/11	American Electric Power(RFC)	2:00 p.m.	Ohio	Severe Weather	Unknown	52,747	6:00 a.m. June	08
06/09/11	Exelon Corporation/ComEd(RFC)	4:30 a.m.	Illinois	Severe Thunderstorms	Unknown	169,000	12:00 p.m. June	09
06/09/11	ISO New England/Northeast Utilities(NPCC)	5:51 p.m.	Western, Massachusetts; Connecticut	Severe Thunderstorms	0	100,000	12:00 p.m. June	10
06/12/11	Dominion Virginia Power(RFC)	7:00 p.m.	Virginia	Severe Thunderstorms	250	56,000	8:30 p.m. June	12
06/15/11	Southern Company(SERC)	7:15 p.m.	Georgia	Severe Thunderstorms	563	169,000	6:00 a.m. June	16
06/15/11	Duke Energy(SERC)	7:17 p.m.	Piedmont, North Carolina	Severe Thunderstorms	300	70,135	1:45 a.m. June	16
06/18/11	Southern Company(SERC)	3:30 p.m.	Northern, Georgia	Severe Thunderstorms	312	93,828	3:42 p.m. June	19
06/18/11	West Memphis Utilities(SPP)	4:45 p.m.	Eastern, Arkansas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown	11:59 p.m. June	20
06/18/11	Duke Energy Carolinas(SERC)	5:00 p.m.	North Carolina; South Carolina	Severe Thunderstorms	300	70,000	9:33 p.m. June	18
06/21/11	American Electric Power (AEP)(RFC)	6:30 p.m.	AEP Region	Severe Weather	Unknown	56,000	7:00 a.m. June	22
06/21/11	Exelon Corporation/ComEd(RFC)	9:45 p.m.	Illinois	Severe Thunderstorms	Unknown	300,000	2:00 a.m. June	23
06/22/11	Tennessee Valley Authority (TVA)(SERC)	9:46 a.m.	Knoxville, Tennessee	Severe Weather	Unknown	106,300	9:46 a.m. June	22
06/22/11	Southern Company(SERC)	7:00 p.m.	Alabama; Georgia	Severe Thunderstorms	316	75,101	1:00 a.m. June	23
06/24/11	Southern Company(SERC)	6:30 p.m.	North/North Central Alabama; Georgia	Severe Thunderstorms	340	102,275	1:30 a.m. June	25
06/26/11	Sunflower Electric Power Corporation(SPP)	4:46 p.m.	Southwest Kansas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown	7:59 a.m. June	27
06/26/11	Southern Company(SERC)	6:00 p.m.	Alabama; Georgia	Severe Thunderstorms	300	90,160	1:00 p.m. June	27
06/27/11	AMEREN(SERC)	12:00 a.m.	Illinois; Missouri	Severe Thunderstorms	Unknown	80,000	1:00 a.m. June	29
06/27/11	ERCOT ISO(TRE)	3:00 p.m.	Texas	Public Appeal to Reduce Electricity Usage	0	0	7:00 p.m. June	27
06/29/11	Southwestern Public Service(SPP)	11:30 a.m.	Panhandle and Muleshoe, Texas	Public Appeal to Reduce Electricity Usage	0	0	6:04 p.m. June	29
06/30/11	Salt River Project(WECC)	2:11 p.m.	Phoenix, Arizona	Major System Interruption/Load Shed	5,299	160,000	11:25 p.m. June	30
06/30/11	Exelon Corporation/ComEd(RFC)	10:30 p.m.	Illinois	Severe Weather	Unknown	121,000	5:00 p.m. July	01

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2011

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹	Restoration Date/Time
July							
07/01/11	Xcel Energy Northern States Power Company(MRO)	5:00 p.m.	Southwest and South Central Minnesota	Severe Weather	Unknown	70,000	8:00 p.m. July 03
07/02/11	Detroit Edison, Subsidiary of DTE Energy(RFC)	8:15 p.m.	South East, Lower Peninsula, Michigan	Severe Weather	Unknown	182,000	10:00 p.m. July 06
07/04/11	Dominion Virginia Power(SERC)	6:00 p.m.	Virginia	Severe Weather	150	51,580	9:00 p.m. July 04
07/11/11	Exelon Corporation/ComEd(RFC)	9:00 a.m.	Illinois	Severe Weather	Unknown	500,000	9:00 a.m. July 11
07/11/11	Detroit Edison, Subsidiary of DTE Energy(RFC)	9:00 a.m.	Michigan	Severe Weather	254	103,000	10:25 a.m. July 11
07/11/11	Consumers Energy(RFC)	11:15 a.m.	Western and Southern Lower Peninsula Michigan	Severe Weather	Unknown	85,000	8:15 a.m. July 12
07/11/11	American Electric Power (AEP)(RFC)	2:27 p.m.	Indiana, Michigan, Ohio	Severe Weather	Unknown	120,000	3:50 p.m. July 12
07/13/11	Public Service Company of Colorado(WECC)	5:19 p.m.	Pueblo, Colorado	Load Shed	580	N/A	10:03 p.m. July 13
07/14/11	ERCOT ISO(TRE)	11:00 a.m.	Texas	Public Appeal to Reduce Electricity Usage	0	0	7:00 p.m. July 14
07/18/11	Detroit Edison, Subsidiary of DTE Energy(RFC)	5:00 p.m.	Southeast Michigan	Severe Weather	N/A	197,166	1:30 p.m. July 24
07/21/11	Consumers Energy(RFC)	12:32 p.m.	Lower Peninsula, Michigan	Public Appeal to Reduce Electricity Usage	8,881	N/A	6:30 a.m. July 22
07/21/11	City Water Light and Power(SERC)	1:00 p.m.	Springfield, Illinois	Public Appeal to Reduce Electricity Usage	N/A	N/A	3:00 p.m. July 21
07/22/11	Niagara Mohawk Power Corporation (dba National Grid)(NPCC)	11:00 a.m.	Upstate, New York	Public Appeal to Reduce Electricity Usage	N/A	N/A	6:00 p.m. July 22
07/22/11	PJM Interconnection(RFC)	11:34 a.m.	Ohio	Load Shed	206	23,000	5:26 p.m. July 22
07/23/11	Exelon Corporation/ComEd(RFC)	2:30 a.m.	Illinois	Severe Weather	Unknown	169,000	9:00 a.m. July 24
07/28/11	Exelon Corporation/ComEd(RFC)	12:14 a.m.	Entire ComEd Territory, Indiana	Severe Weather	Unknown	201,000	12:00 p.m. July 29
07/28/11	Owensboro Municipal Utilities(SERC)	7:26 a.m.	Daviess County, Kentucky	Fuel Supply Deficiency (Coal)	N/A	N/A	7:26 a.m. July 29
07/29/11	FirstEnergy Corp: Jersey Central Power & Light(RFC)	8:45 p.m.	Central New Jersey	Severe Weather	N/A	67,900	4:24 a.m. August 01
August							
08/01/11	ERCOT ISO(TRE)	3:00 p.m.	Texas	Public Appeal to Reduce Electricity Usage	0	0	7:00 p.m. August 05
08/02/11	Oklahoma Gas & Electric(SPP)	10:15 a.m.	Oklahoma	Public Appeal to Reduce Electricity Usage	N/A	N/A	9:16 a.m. August 03
08/02/11	Exelon Corporation/ComEd(RFC)	9:30 p.m.	Northeast, Illinois	Severe Weather	Unknown	71,500	7:00 p.m. August 03
08/03/11	AES Somerset LLC(NPCC)	10:00 a.m.	Western New York	Fuel Supply Deficiency (Coal)	675	Unknown	10:00 a.m. August 19
08/03/11	Grand River Dam Authority(SPP)	4:29 p.m.	Northeast Oklahoma	Public Appeal to Reduce Electricity Usage	300	N/A	11:40 p.m. August 03
08/03/11	Entergy(SPP)	4:30 p.m.	Central Arkansas	Public Appeal to Reduce Electricity Usage	0	0	9:00 p.m. August 03
08/04/11	American Electric Power (AEP)(SPP)	10:30 a.m.	Arkansas, Oklahoma, Texas	Public Appeal to Reduce Electricity Usage	N/A	N/A	4:00 p.m. August 04
08/08/11	Oklahoma Municipal Power Authority(SPP)	7:36 p.m.	Oklahoma	Electrical System Separation (Islanding)	92	14,500	12:00 p.m. August 09
08/08/11	Oklahoma Gas & Electric(SPP)	8:58 p.m.	Northern and Central Oklahoma	Severe Weather	N/A	54,000	4:30 p.m. August 10
08/13/11	LG&E and KU Energy LLC(SERC)	4:41 p.m.	Kentucky	Severe Weather	Unknown	181,700	7:00 p.m. August 14
08/20/11	Detroit Edison, Subsidiary of DTE Energy(RFC)	5:42 p.m.	Southeastern Michigan	Severe Weather	254	65,000	8:00 p.m. August 23
08/21/11	Puerto Rico Electric Power Authority (PREPA)(N/A)	10:45 p.m.	Puerto Rico	Severe Weather	2,200	931,000	10:45 p.m. August 23

Table B.1. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2011

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹	Restoration Date/Time
08/23/11	Southwestern Public Service Company(SPP)	10:30 a.m.	Southeastern New Mexico, Texas Panhandle	Public Appeal to Reduce Electricity Usage	0	0	4:54 p.m. August 23
08/23/11	Dominion Virginia Power(RFC)	1:51 p.m.	Virginia	Earthquake	0	0	1:51 p.m. August 23
08/23/11	ERCOT ISO(TRE)	3:43 p.m.	Texas	Public Appeal to Reduce Electricity Usage	0	0	7:00 p.m. August 23
08/24/11	CenterPoint Energy(TRE)	7:45 a.m.	Houston area, Texas	Severe Weather	485	79,000	6:00 a.m. August 25
08/24/11	ERCOT ISO(TRE)	1:20 p.m.	Texas	Public Appeal to Reduce Electricity Usage	0	0	7:00 p.m. August 29
08/24/11	American Electric Power (AEP)(SPP)	2:51 p.m.	Arkansas, Louisiana, Texas	Severe Weather	N/A	53,064	10:00 p.m. August 24
08/25/11	FirstEnergy Corp: Cleveland Electric Illuminating Company(RFC)	12:30 a.m.	Cleveland area, Ohio	Severe Weather	N/A	107,833	8:00 p.m. August 28
08/26/11	FirstEnergy Corp: Metropolitan Edison Company(RFC)	12:30 a.m.	Pennsylvania	Severe Weather	N/A	200,717	12:30 a.m. August 28
08/27/11	Town of Stantonsburg JRO(SERC)	2:00 a.m.	Wilson County North Carolina	Distribution System Interruption	2	1,200	5:15 a.m. August 27
08/27/11	Progress Energy Carolinas(SERC)	2:57 a.m.	Eastern North Carolina	Severe Weather	Unknown	285,465	11:30 p.m. August 29
08/27/11	Dominion Virginia Power(SERC)	10:33 a.m.	North Carolina; Virginia	Severe Weather	Unknown	1,000,000	2:00 p.m. August 29
08/27/11	Delmarva Power & Light Company(RFC)	1:00 p.m.	Delaware; Maryland	Severe Weather	N/A	165,000	1:00 p.m. August 29
08/27/11	North Carolina Eastern Municipal Power Agency(SERC)	7:00 p.m.	Eastern North Carolina	Severe Weather	200	136,000	1:31 p.m. August 29
08/27/11	Baltimore Gas and Electric Company(RFC)	8:30 p.m.	Maryland	Severe Weather	1,114	760,113	11:30 p.m. September 04
08/27/11	Atlantic City Electric Company(RFC)	10:00 p.m.	Southern New Jersey	Severe Weather	320	140,000	4:00 p.m. August 29
08/27/11	Exelon Corporation / PECO(RFC)	10:00 p.m.	Pennsylvania	Severe Weather	N/A	264,000	10:00 p.m. August 29
08/27/11	Southern Maryland Electric Cooperative (SMECO)(RFC)	11:00 p.m.	Maryland	Severe Weather	Unknown	108,000	8:00 a.m. August 29
08/27/11	Pepco(RFC)	11:05 p.m.	District of Columbia; Maryland	Severe Weather	N/A	220,000	3:30 p.m. August 29
08/28/11	Central Hudson Gas & Electric(NPCC)	12:01 a.m.	Mid-Hudson, New York	Severe Weather	N/A	180,000	12:01 a.m. August 30
08/28/11	Public Service Electric and Gas Company(RFC)	12:23 a.m.	New Jersey	Severe Weather	500	665,000	12:23 a.m. August 30
08/28/11	FirstEnergy Corp: Jersey Central Power & Light(RFC)	12:30 a.m.	Northern and Central New Jersey	Severe Weather	N/A	650,000	12:30 a.m. August 30
08/28/11	PPL Electric Utilities(RFC)	2:58 a.m.	Eastern and Northeastern Pennsylvania	Severe Weather	110	284,000	2:58 a.m. August 30
08/28/11	Long Island Power Authority(NPCC)	5:00 a.m.	Long Island, New York	Severe Weather	Unknown	152,261	5:00 a.m. August 30
08/28/11	Consolidated Edison Company of NY, Inc.(NPCC)	5:01 a.m.	Borough's and Westchester County New York	Severe Weather	N/A	50,000	5:01 a.m. September 03
08/28/11	New York State Electric & Gas Corporation(NPCC)	7:00 a.m.	New York	Severe Weather	Unknown	99,700	12:01 a.m. September 03
08/28/11	The United Illuminating Company(NPCC)	7:40 a.m.	Southwest Connecticut	Severe Weather	N/A	158,000	7:40 a.m. August 29
08/28/11	Niagara Mohawk Power Corporation(NPCC)	9:42 a.m.	Eastern New York	Severe Weather	N/A	100,000	12:01 a.m. August 30
08/28/11	ISO New England(NPCC)	12:10 p.m.	Eastern Massachusetts	Severe Weather	N/A	50,000	12:11 p.m. August 28
08/28/11	Orange and Rockland Utilities, Inc.(NPCC)	12:30 p.m.	New York	Severe Weather	N/A	116,000	12:31 p.m. August 28
September							
09/03/11	Detroit Edison, Subsidiary of DTE Energy(RFC)	2:00 p.m.	Southeast Lower Peninsula, Michigan	Severe Weather	Unknown	105,000	6:00 p.m. September 08
09/05/11	Southern Company(SERC)	4:30 p.m.	Alabama; Georgia	Severe Weather	177	53,295	3:45 p.m. September 07
09/08/11	WECC Reliability Coordinator(WECC)	3:28 p.m.	Arizona; California	Transmission/Distribution Interruption; Load Shed; Generation Inadequacy	7,000	2,000,000	3:30 p.m. September 10

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Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹	Restoration Date/Time
09/21/11	Puerto Rico Electric Power Authority (PREPA)(N/A)	2:37 p.m.	Puerto Rico	Generation Inadequacy; Load Shed	600	319,616	3:47 p.m. September 21
09/29/11	CenterPoint Energy(TRE)	5:00 a.m.	Houston metro area, Texas	Severe Weather	N/A	65,000	6:00 a.m. September 30
October							
10/26/11	Public Service Company of Colorado(WECC)	5:00 a.m.	Denver; Ft. Collins, Colorado	Severe Weather	Unknown	204,000	3:00 p.m. October 27
10/29/11	Metropolitan Edison Company(RFC)	8:59 a.m.	Pennsylvania	Severe Weather	Unknown	312,359	7:58 p.m. November 07
10/29/11	Potomac Edison(RFC)	8:59 a.m.	Pennsylvania	Severe Weather	Unknown	50,000	3:00 p.m. November 07
10/29/11	Jersey Central Power & Light Company(RFC)	9:59 a.m.	Northwest and Central New Jersey	Severe Weather	Unknown	379,000	1:00 p.m. November 07
10/29/11	New York State Elec & Gas Corp.(NPCC)	11:18 a.m.	Southeast New York	Severe Weather	Unknown	161,151	12:00 a.m. November 04
10/29/11	PPL Electric Utilities(RFC)	12:57 p.m.	Harrisburg, Lehigh Valley, Lancaster Region Pennsylvania	Severe Weather	Unknown	146,721	11:00 p.m. November 03
10/29/11	Exelon Corporation/PECO(RFC)	2:00 p.m.	Southeast Pennsylvania	Severe Weather	Unknown	109,335	2:00 p.m. October 31
10/29/11	Public Service Electric and Gas Company(RFC)	2:30 p.m.	New Jersey	Severe Weather	125	197,000	12:00 p.m. November 06
10/29/11	Central Hudson Gas & Electric Corp.(NPCC)	3:00 p.m.	Mid-Hudson Valley Region, New York	Severe Weather	N/A	145,000	8:15 a.m. November 02
10/29/11	ISO New England(NPCC)	4:14 p.m.	Connecticut; Maine; Massachusetts; New Hampshire; Rhode Island	Severe Weather	Unknown	1,418,100	4:00 p.m. November 07
10/29/11	Consolidated Edison Company of NY, Inc(NPCC)	4:16 p.m.	New York City area	Severe Weather	Unknown	50,000	9:30 p.m. November 02
10/29/11	Orange and Rockland Utilities, Inc(NPCC, RFC)	8:00 p.m.	New Jersey; New York	Severe Weather	N/A	74,000	8:00 p.m. October 31
November							
11/30/11	Los Angeles Department of Water and Power(WECC)	4:56 p.m.	City of Los Angeles, California	Severe Weather	Unknown	150,000	10:00 a.m. December 02
December							
12/01/11	Southern California Edison (SCE)(WECC)	12:45 a.m.	Southern California	Severe Weather	Unknown	91,690	9:00 p.m. December 07
12/01/11	Pacific Gas and Electric(WECC)	3:29 a.m.	Northern California	Severe Weather	300	100,000	1:05 p.m. December 02
12/01/11	PacificCorp(WECC)	10:00 a.m.	Wasatch Front Area Utah	Severe Weather	Unknown	60,000	1:11 p.m. December 02
12/06/11	Montana Dakota Utilities(MRO)	8:00 a.m.	Bismarck-Mandan, North Dakota	Public Appeal to Reduce Electricity Usage	155	34,500	8:00 p.m. December 06
12/07/11	Dominion Virginia Power(SERC)	7:29 p.m.	Central Virginia	Severe Weather	240	60,000	10:57 p.m. December 07

Note: Estimates for 2011 are preliminary.

Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."

Table B.2. Major Disturbances and Unusual Occurrences, 2010

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹	Restoration Date/Time
January							
01/06/10	Southwest Louisiana Electric Membership Corporation (SERC)	6:00 p.m.	Southwest Louisiana	Made Public Appeals	N/A	N/A	6:00 p.m. January 08
01/11/10	Progress Energy Florida (FRCC/SERC)	3:45 a.m.	Northern and Central Florida	Interruptible Load Shed/Made Public Appeals	N/A	N/A	9:57 a.m. January 11
01/18/10	Pacific Gas and Electric Company (WECC)	11:30 a.m.	Northern and Central California	Severe Storm	290	1,700,000	8:00 a.m. January 28
01/19/10	California ISO (WECC)	7:30 a.m.	San Francisco	Severe Storm	300	30,000	12:24 p.m. January 19
01/19/10	San Diego Gas & Electric Company (WECC)	2:30 p.m.	San Diego and Orange Counties	Severe Storm	2,650	50,000	3:00 p.m. January 20
01/20/10	Los Angeles Department of Water and Power (WECC)	1:00 p.m.	City of Los Angeles, California	Severe Storm	N/A	147,223	6:10 p.m. January 24
01/28/10	American Electric Power (SPP)	12:00 p.m.	Oklahoma	Ice Storm	N/A	68,705	12:00 p.m. February 02
February							
02/01/10	Western Farmers Electric Cooperative (SPP)	2:32 p.m.	Oklahoma	Ice Storm/Electrical System Separation	30	0	5:00 p.m. February 01
02/05/10	Atlantic City Electric (RFC)	3:00 p.m.	Southern NJ	Winter Storm	N/A	221,000	4:00 p.m. February 13
02/05/10	Duke Energy Carolinas (SERC)	6:48 p.m.	North and South Carolina	Winter Storm	500	74,000	5:00 p.m. February 07
02/05/10	Potomac Electric Power Co (RFC)	7:00 p.m.	District of Columbia, Prince Georges and Montgomery Co. MD	Winter Storm	N/A	97,651	3:46 p.m. February 12
02/05/10	Duquesne Light Company (RFC)	10:30 p.m.	Southwestern Pennsylvania	Winter Storm	N/A	57,000	12:00 p.m. February 12
02/05/10	American Electric Power (RFC)	11:30 p.m.	Indiana, Ohio, W. Virginia and Virginia	Winter Storm	N/A	102,225	2:38 a.m. February 07
02/06/10	Dominion (SERC)	2:30 a.m.	Virginia, North Carolina	Winter Storm	600	104,736	7:00 a.m. February 07
02/06/10	Delmarva Power & Light Company (RFC)	8:00 a.m.	Delmarva Peninsula	Winter Storm	N/A	58,491	9:00 a.m. February 06
02/09/10	Exelon Corporation (RFC)	6:00 p.m.	Southeastern Pennsylvania	Winter Storm	N/A	223,000	4:00 p.m. February 14
02/11/10	Oncor Electric Delivery Company (TRE)	12:00 p.m.	Dallas/Fort Worth and East Texas	Winter Storm	N/A	500,000	9:00 p.m. February 15
02/12/10	American Electric Power (SPP)	5:00 a.m.	East Texas, Western Arkansas, Northern Louisiana	Winter Storm	N/A	52,999	5:00 p.m. February 12
02/14/10	Allegheny Power (RFC)	10:00 a.m.	Western Pennsylvania and Northeast Central WV	Winter Storm	900	190,000	12:00 p.m. February 14
02/19/10	California Department of Water Resources (WECC)	8:30 p.m.	San Joaquin Field Division/Bakersfield, CA	Firm System Load Shed	1,000	N/A	4:01 a.m. February 20
02/23/10	Central Hudson Gas & Electric Corp (NPCC)	10:00 p.m.	Upstate New York	Winter Storm	N/A	150,000	4:00 p.m. February 25
02/25/10	Orange and Rockland Utilities Inc	12:01 a.m.	Southeastern New York, Northern New Jersey	Winter Storm	N/A	65,000	9:00 p.m. February 26
02/25/10	Consolidated Edison of NY (NPCC)	5:00 p.m.	New York City	Winter Storm	N/A	55,000	7:00 p.m. March 02
02/25/10	ISO New England (NPCC)	11:53 p.m.	Southern Maine and New Hampshire	Winter Storm	510	509,606	4:40 p.m. March 01
March							
03/13/10	Exelon Corporation/PECO (RFC)	1:00 a.m.	Southeastern Pennsylvania	High Winds and rain	N/A	177,528	6:40 p.m. March 16
03/13/10	ISO New England (NPCC)	12:00 p.m.	Connecticut	High Winds and Rain	50	50,246	8:05 p.m. March 15
03/13/10	Long Island Power Authority (NPCC)	3:00 p.m.	Long Island	High Winds and Rain	N/A	153,000	4:00 p.m. March 17
03/13/10	Jersey Central Power and Light Company (RFC)	4:00 p.m.	Central New Jersey and Northern New Jersey	High Winds and Flooding	N/A	180,000	12:00 a.m. March 16
03/13/10	Public Service Electric & Gas Company (RFC)	6:00 p.m.	Southern, Central and Northern New Jersey	High Winds and Rain	100	360,000	12:59 p.m. March 20
03/13/10	Consolidated Edison of NY (NPCC)	6:00 p.m.	New York City and Westchester County	High Winds and Rain	N/A	173,000	9:00 a.m. March 20
03/31/10	San Diego Gas & Electric Company (WECC)	11:59 p.m.	San Diego and Orange Counties	Shed Firm Load	324	290,000	12:55 a.m. April 01
03/31/10	California Independent System Operator (WECC)	11:59 p.m.	San Diego	Shed Firm Load	324	N/A	12:38 a.m. April 01
April							
04/16/10	Allegheny Power (RFC)	5:15 p.m.	Southwestern Pennsylvania	Severe Thunderstorms	15	120,000	5:00 p.m. April 18

Table B.2. Major Disturbances and Unusual Occurrences, 2010

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹	Restoration Date/Time
04/21/10	Dow Chemical Co (SERC)	3:05 p.m.	Iberville, Parish, Louisiana	Generator Tripped	N/A	N/A	8:00 p.m. April 21
04/27/10	North Carolina Eastern Municipal Power Agency (SERC)	2:55 p.m.	Rocky Mount, NC	Transmission System Interruption	N/A	29,376	2:55 p.m. April 27
May							
05/02/10	Tennessee Valley Authority (SERC)	2:40 p.m.	Tennessee and Mississippi	Thunderstorms	N/A	50,500	7:30 p.m. May 09
05/18/10	California Department of Water Resources (WECC)	8:15 a.m.	Central California	Breakers Tripped	318	N/A	10:46 p.m. May 18
05/26/10	Allegheny Power (RFC, SERC)	11:45 a.m.	Maryland, Pennsylvania, West Virginia, Virginia	Made Public Appeal - System Drill	N/A	N/A	3:00 p.m. May 26
June							
06/01/10	Southern Indiana Gas and Electric Company (RFC)	10:03 p.m.	Southwestern Indiana	Firm Load Shed	500	1	12:30 a.m. June 18
06/02/10	CPS Energy (TRE)	8:18 p.m.	San Antonio, TX	Severe Weather	N/A	126,000	8:00 a.m. June 04
06/06/10	Pacific Gas and Electric (WECC)	4:45 a.m.	Northern California	Electric System Separation	3	2,650	5:35 a.m. June 06
06/07/10	Public Service Company of Colorado (WECC)	6:29 p.m.	Denver Metropolitan Area	Firm Load Shed	300	31,000	1:00 a.m. June 08
06/08/10	Centerpoint Energy (TRE)	11:00 a.m.	Southeastern Texas	Thunderstorms	N/A	79,741	5:00 p.m. June 08
06/09/10	North Carolina Eastern Municipal Power Agency (SERC)	2:18 p.m.	Edenton, NC	Transmission System Interruption	N/A	4,196	3:00 p.m. June 09
06/16/10	Orange and Rockland Utilities (NPCC)	11:11 a.m.	New York (Rockland and Orange Counties)	Voltage Reduction (System Test)	N/A	N/A	11:32 a.m. June 16
06/17/10	Louisiana Energy and Power Authority (SPP)	8:30 a.m.	Morgan City, LA	Made Public Appeal	N/A	N/A	5:47 p.m. June 17
06/17/10	Entergy (SERC)	9:30 a.m.	Southern Louisiana	Made Public Appeal	N/A	N/A	5:17 p.m. June 17
06/17/10	Cleco Power LLC (SERC)	9:30 a.m.	Southern Louisiana	Made Public Appeal	N/A	N/A	4:40 p.m. June 17
06/17/10	Southwest Louisiana Electric Membership Corporation (SPP)	9:30 a.m.	Southwestern Louisiana	Made Public Appeal	N/A	N/A	4:40 p.m. June 17
06/17/10	Western Area Power Administration (MRO)	10:49 a.m.	Eastern Montana	Electrical System Separation	N/A	N/A	11:02 a.m. June 17
06/18/10	Northern Indiana Public Service Company (RFC)	3:30 p.m.	Northwest Indiana	Thunderstorms	N/A	94,345	12:30 a.m. June 20
06/18/10	Commonwealth Edison (RFC)	4:00 p.m.	Chicago, IL	Severe Weather	N/A	400,000	1:00 p.m. June 20
06/18/10	Consumers Energy (RFC)	7:00 p.m.	Southern Portion of Lower Michigan	Thunderstorms	N/A	100,000	5:00 a.m. June 19
06/18/10	American Electric Power (RFC)	8:00 p.m.	Indiana, Michigan	Severe Weather	N/A	79,000	10:45 a.m. June 21
06/18/10	Detroit Edison (RFC)	8:00 p.m.	Detroit, MI	Severe Weather	N/A	150,000	7:30 p.m. June 22
06/21/10	Duke Energy Midwest (RFC)	1:48 p.m.	Cincinnati, OH	Thunderstorms	400	50,636	8:31 p.m. June 22
06/22/10	Entergy (SERC)	3:34 p.m.	West/Central Arkansas	Made Public Appeal/Transmission Equipment Failure	84	25,159	7:00 p.m. June 22
06/23/10	Commonwealth Edison (RFC)	5:00 p.m.	Chicago, IL	Severe Weather	N/A	300,000	1:40 p.m. June 25
06/23/10	Northern Indiana Public Service Company (RFC)	5:48 p.m.	Northwest Indiana	Thunderstorms	N/A	53,000	2:21 a.m. June 24
06/24/10	Atlantic City Electric (RFC)	3:00 p.m.	Southwestern New Jersey	Thunderstorms	N/A	150,000	12:00 p.m. June 29
06/24/10	PECO (RFC)	3:30 p.m.	Southeastern Pennsylvania	Thunderstorms	N/A	355,000	11:59 p.m. June 29
06/25/10	Pacific Gas and Electric (WECC)	11:36 p.m.	Northern California	Electrical System Separation	N/A	N/A	1:38 a.m. June 26
July							
07/06/10	Delmarva Power & Light Company (RFC)	3:47 a.m.	Newark, DE	Transformer Outage	95	18,400	4:37 a.m. July 06
07/07/10	PJM Interconnection, LLC (RFC)	4:13 p.m.	York, South Central Pennsylvania	Loss of Transmission Equipment	N/A	43,903	10:29 p.m. July 07
07/15/10	Detroit Edison (RFC)	7:00 p.m.	Southeastern Michigan	Severe Weather	540	127,534	11:30 p.m. July 19
07/17/10	Xcel Energy (MRO)	8:30 p.m.	Minnesota	Strong Winds, Tornadoes	N/A	63,000	10:00 p.m. July 19
07/21/10	ISO New England (NPCC)	6:44 p.m.	Connecticut	Thunderstorms	N/A	50,100	8:00 p.m. July 21
07/23/10	Pacificorp (WECC)	10:00 a.m.	Northern Utah	Made Public Appeals	6-8	N/A	11:55 p.m. July 24
07/23/10	Detroit Edison (RFC)	7:30 p.m.	Southeastern Michigan	Severe Weather	400	82,000	6:30 p.m. July 26

Table B.2. Major Disturbances and Unusual Occurrences, 2010

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹	Restoration Date/Time
07/25/10	Potomac Electric Power Co (RFC)	3:10 p.m.	Washington, DC Region	Severe Weather	N/A	297,700	11:30 p.m. July 30
07/25/10	Baltimore Gas and Electric (RFC)	3:20 p.m.	Central Maryland	Severe Weather	480	124,000	6:00 p.m. July 27
07/25/10	Dominion - Virginia Power (SERC)	4:11 p.m.	Northern Virginia	Severe Weather	900-1000	81,000	8:06 p.m. July 25
07/29/10	Dominion - Virginia Power (SERC)	5:43 p.m.	Virginia	Thunderstorms	N/A	55,000	8:07 p.m. July 29
07/29/10	Southern California Edison Company (WECC)	6:39 p.m.	Southern California	Shed Interruptible Load, Wildfire	522	N/A	7:26 p.m. July 29
07/29/10	California Independent System Operator (WECC)	6:39 p.m.	Southern California	Shed Interruptible Load, Wildfire	522	N/A	7:26 p.m. July 29
August							
08/02/10	California Department of Waters Resources (WECC)	12:00 p.m.	Central California	Fuel Supply Deficiency (Hydro)	N/A	N/A	11:00 p.m. August 02
08/02/10	Cleco Power LLC (SERC)	12:45 p.m.	Southern Louisiana	Made Public Appeals	N/A	N/A	11:00 a.m. August 04
08/02/10	Entergy (SERC)	12:45 p.m.	Southern Louisiana	Made Public Appeals	N/A	N/A	11:00 a.m. August 04
08/02/10	Southwest Louisiana Electric Membership Corporation (SERC)	12:45 p.m.	Southwestern Louisiana	Made Public Appeals	N/A	N/A	11:00 a.m. August 04
08/02/10	Lafayette Utilities Systems (SPP)	12:45 p.m.	Southern Louisiana	Made Public Appeals	N/A	N/A	11:00 a.m. August 04
08/04/10	Southwestern Public Service Company (SPP)	12:00 p.m.	Northern Texas, Eastern New Mexico	Made Public Appeals	N/A	N/A	10:00 p.m. August 04
08/04/10	Allegheny Power (RFC)	4:45 p.m.	Western Pennsylvania, Northwestern and Central West Virginia	Thunderstorms	60	11,186	12:00 a.m. August 07
08/04/10	American Electric Power (RFC)	5:00 p.m.	Ohio, West Virginia, Kentucky	Severe Weather	N/A	37,000	4:00 a.m. August 06
08/05/10	Potomac Electric Power Co (RFC)	3:30 p.m.	District of Columbia, Maryland	Thunderstorms	N/A	76,729	10:00 p.m. August 05
08/05/10	Dominion - Virginia Power (RFC)	3:54 p.m.	Northern Virginia	Thunderstorms	N/A	145,157	12:00 a.m. August 08
08/09/10	AES Greenidge and Cayuga (RFC)	12:00 p.m.	Upstate New York	Fuel Supply Deficiency	N/A	N/A	12:00 p.m. August 16
08/11/10	American Electric Power (RFC)	3:21 p.m.	Ohio	Severe Weather	N/A	57,000	12:12 p.m. August 11
08/12/10	Potomac Electric Power Co. (RFC)	6:45 a.m.	District of Columbia, Maryland	Severe Weather	N/A	101,003	9:00 p.m. August 12
08/12/10	Nebraska Public Power District (SPP)	8:21 a.m.	Central Nebraska	Made Public Appeals	65	N/A	11:00 a.m. August 12
08/12/10	Wisconsin Public Service (MRO)	3:42 p.m.	City of Oshkosh, Wisconsin	Made Public Appeals	30	7,600	10:10 p.m. August 12
08/19/10	Detroit Edison (RFC)	6:00 p.m.	Southeastern Michigan	Severe Weather	340	80,000	3:30 p.m. August 23
08/23/10	CenterPoint Energy (TRE)	5:50 p.m.	Houston, Texas	Severe Weather	746	81,586	9:30 a.m. August 24
September							
09/01/10	Pacific Gas and Electric (WECC)	10:20 a.m.	Pittsburg (Bay Area), California	Electrical System Separation (Islanding)	31	15,000	12:44 p.m. September 01
09/07/10	CPS Energy (TRE)	2:02 p.m.	San Antonio, Texas	Tropical Storm	N/A	340,350	1:27 a.m. September 08
09/20/10	Birchwood Power Facility (SERC)	5:00 p.m.	King George County, Virginia	Low Flying Helicopter	N/A	N/A	5:30 p.m. September 20
09/21/10	Consumers Energy (RFC)	9:31 p.m.	Central and Southern Michigan	Thunderstorms	N/A	138,000	2:30 p.m. September 22
09/22/10	California Department of Water Resources (WECC)	6:12 a.m.	Bakersfield, California	Firm Load Shed	526	N/A	11:00 p.m. September 22
09/22/10	Duquesne Light Company (RFC)	4:08 p.m.	City of Pittsburgh, Pennsylvania	Thunderstorms	156	52,000	12:00 a.m. September 26
09/22/10	Allegheny Power (RFC)	5:38 p.m.	Western Pennsylvania	Thunderstorms	389	82,861	11:30 p.m. September 24
09/27/10	Southern California Edison Company (WECC)	3:15 p.m.	Central and Southern California	Interruptible Load Shed	595	N/A	6:12 p.m. September 27
October							
10/05/10	Los Angeles Department of Water and Power (WECC)	5:45 a.m.	City of Los Angeles, California	Rain and High Winds	N/A	73,514	6:00 a.m. October 07
10/26/10	Commonwealth Edison (RFC)	9:00 a.m.	Northern Illinois	Thunderstorms	N/A	192,106	11:00 a.m. October 28
10/26/10	Xcel Energy/Northern States Power Company (MRO)	8:00 p.m.	Minnesota	High Winds	N/A	70,000	10:00 p.m. October 28
10/27/10	Wisconsin Public Service Corporation (MRO)	4:00 a.m.	Northeast and North Central Wisconsin	High Winds	N/A	63,000	12:00 p.m. October 27

Table B.2. Major Disturbances and Unusual Occurrences, 2010

Date	Utility/Power Pool (NERC Region)	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected ¹	Restoration Date/Time
10/27/10	Consumers Energy (RFC)	8:00 a.m.	Michigan's Northerly Lower Peninsula	High Winds	240	285,000	7:00 a.m. October 29
10/27/10	Commonwealth Edison (RFC)	5:00 p.m.	Northern Illinois	High Winds	N/A	127,000	4:00 a.m. October 29
10/27/10	Pacific Gas and Electric (WECC)	5:16 p.m.	Northern California	Electrical System Separation-Islanding	16	2,674	5:27 p.m. October 27
10/31/10	California Department of Water Resources (WECC)	10:26 p.m.	Bakersfield, California	Firm System Load Loss	500	N/A	1:45 a.m. November 01
November							
11/04/10	PacifiCorp (WECC)	9:46 a.m.	Rock Springs, Wyoming	Transmission Equipment Failure/Interruptible Load Shed	N/A	N/A	10:47 a.m. November 04
11/06/10	Pacific Gas and Electric (WECC)	3:53 p.m.	Northern California	Electrical System Separation - Islanding	20	4	6:08 p.m. November 06
11/08/10	ISO New England (NPCC)	6:47 a.m.	Maine	Snow and High Winds	N/A	60,863	6:00 p.m. November 08
11/13/10	Xcel Energy/Northern States Power Company (MRO)	3:00 p.m.	Minnesota	Winter Storm	N/A	60,000	10:00 p.m. November 14
11/15/10	Puget Sound Energy (WECC)	11:00 p.m.	Puget Sound Region	High Winds	391	149,256	2:14 a.m. November 16
11/21/10	Pacific Gas and Electric (WECC)	1:39 a.m.	Northern and Central California	Winter Storm	75	60,000	4:46 p.m. November 24
11/22/10	Puget Sound Energy (WECC)	11:00 p.m.	Puget Sound Region, Washington	Winter Storm	420	123,535	8:00 p.m. November 24
11/23/10	Pacific Gas and Electric (WECC)	2:01 p.m.	Northern California	Electrical System Separation - Islanding	22	7,077	6:12 p.m. November 23
December							
12/03/10	Pacific Gas and Electric (WECC)	9:32 p.m.	California	Electrical System Separation - Islanding	22	7,077	2:00 a.m. December 04
12/12/10	Detroit Edison (RFC)	4:30 p.m.	Southeastern Michigan	Severe Weather	210	60,175	2:00 p.m. December 15
12/14/10	Pacific Gas and Electric (WECC)	7:20 a.m.	California	Electrical System Separation - Islanding	9	6,635	7:25 a.m. December 14
12/14/10	California Department of Water Resources (WECC)	7:36 a.m.	Southern California	Transmission Equipment/Firm System Load	464	N/A	9:00 a.m. December 15
12/18/10	Puget Sound Energy (WECC)	5:00 a.m.	Redmond, Washington	Severe Weather	184	92,090	10:00 p.m. December 19
12/26/10	Progress Energy Carolinas (SERC)	8:15 a.m.	Carolina	Severe Weather	N/A	42,000	4:15 p.m. December 26
12/30/10	AES Cayuga (RFC)	2:00 p.m.	New York	Fuel Supply Deficiency	300	N/A	6:00 a.m. January 12

¹ Estimated values.

Note: Estimates for 2010 are preliminary.

Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."

Appendix C

Technical Notes

The Energy Information Administration (EIA) periodically reviews and revises how it collects, estimates, and reports data pertaining to the electric power industry. These Technical Notes describe current data quality efforts and measures as well as each active survey form contributing to the data published in the *Electric Power Monthly (EPM)*.

Data Quality

The *EPM* is prepared by the Electric Power Division, 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 nonsampling. 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 nonsampling errors. Monthly sample survey data have both sampling and nonsampling error. Annual survey data are collected by a census and are not subject to sampling error.

Nonsampling 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 nonsampling 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 nonsampling errors are handled in each case^{2,3,8,18,19,23,33}.

Relative Standard Error. The relative standard error (RSE) statistic, usually given as a percent, describes the magnitude of sampling error that might reasonably be incurred^{15,18,21}. 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 variable¹⁶.

The sampling error may be less than the nonsampling error. In fact, large RSE estimates found in preliminary work with these data have often indicated nonsampling errors, which were then identified and corrected. Nonsampling 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 nonsampling errors also occur in complete censuses. In a complete census, this problem may become unmanageable.

Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is approximately a 68-percent chance that the true total or mean is within one RSE of the estimated total or mean. Note that reported RSEs are always estimates themselves, and are usually, as here, reported as percents. 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 nonsampling error, there is approximately a 68-percent chance that the true million kilowatthour value is within approximately 4.9 percent of 1,507 million kilowatthours (that is, between 1,433 and 1,581 million kilowatthours). Also under the Central Limit Theorem, there is approximately a 95-percent chance that the true mean or total is within 2 RSEs of the estimated mean or total.

Note that there are times when a model may not apply, such as in the case of a substantial reclassification of sales, when the relationship between the variable of interest and the regressor data does not hold. In such a case, the new information may represent only itself, and such numbers are added to model results when estimating totals. Further, there are times when sample data may be known to be in error, or are not reported. Such cases are treated as if they were never part of the model-based sample, and values are imputed. Experiments were done to see if nonresponse should be treated differently, but it was decided to treat those cases the same as out-of-sample cases^{18, 22, 31}.

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 percent. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from both sampling and non-sampling errors^{19, 20, 21, 24}. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample^{21, 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 robustness¹⁸.

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^{15, 16, 22, 23, 25}. 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. The basis for the current methodology involves a 'borrowing of strength' technique for small domains^{15, 17, 18}.

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.

In accordance with the policy statement above, the mean absolute value for the 12 monthly revisions of each item are provided at the U.S. level for the years 2004 through 2006 (Table C2). For example, the mean (in percentage terms) of the 12 monthly absolute differences between preliminary and final monthly data for coal-fired generation in 2006 was 0.19. That is, on average, the mean absolute value of the change made each month to coal-fired generation was 0.19 percent.

Data Sources For Electric Power Monthly

Data published in the *Electric Power Monthly (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 Annuals* to find descriptions of forms that are no longer in use. The publications are located at: <http://www.eia.gov/cneaf/electricity/epa/backissues.html>.

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

Percentage Difference. The following formula is used to calculate percent differences.

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

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

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 450 of the largest electric utilities (primarily investor-owned and publicly owned) as well as a census of energy service providers with retail sales in deregulated States. Form EIA-861, with approximately 3,300 respondents, serves as a frame from which the Form 826 sample is drawn. Based on this sample, a model is used to estimate for the entire universe of U.S. electric utilities.

Instrument and Design History. The collection of electric power sales data and related information began in the

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

In 1993, EIA for the first time used a model sample for the Form EIA-826. A stratified random sample, employing auxiliary data, was used for each of the four previous years^{10,11,12,13}. 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 *Electric Power Monthly (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* include 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^{3,10,23}.

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 EIA-860 or 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 dataⁱ, the regressor data for Schedule 1 Parts B and C is the prior month's dataⁱⁱ.

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.^{22,23,25,26,27,28,29} 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 ⁱ Data from 2007 will be finalized with the publication of the *Electric Power Annual 2007*.

ⁱⁱ If a census of schedules B and C is not available for the prior month, the most recent completely censused prior month is used.

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 estimates¹⁷.

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. Nonsampling error must also be considered. The nonsampling error is not estimated directly, although attempts are made to minimize the nonsampling error^{15,16,17,18,19,24}.

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 (Formerly identified as Data Confidentiality). 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 census of all existing and planned electric power plants 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 5-year plans for constructing new plants, 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 and 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. The completed survey is due to EIA by February 15 of each year.

Instrument and Design History. The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. 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. At the same time, Form EIA-867, "Annual Nonutility Power Producer Report," was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility" to collect data from nonutilities.

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.

Beginning with data collected for the calendar year ending December 31, 2007, Form EIA-860 is revised to include the collection of boiler level data related to air emission standards and emission controls along with design parameters of associated environmental related equipment.

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.

Approximately 2,700 respondents are requested to provide data as of December 31 on the Form EIA-860. Computer programs containing edit checks are run to identify errors. Respondents are contacted to obtain correction or clarification of reported data and to obtain missing data, as a result of the editing process.

Sensitive Data (Formerly identified as Data Confidentiality). Tested heat rate data collected on Form EIA-860 are considered sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA". Plant latitude and longitude data provided prior to 2007 are considered sensitive (45Federal Register 59812 (1980)).

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 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 expected effective date for all new units or uprates to nuclear units. For all other types of capacity changes (including uprates to non-nuclear generation), respondents are added one month prior to the anticipated on-line 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 on the frame. Typically from about 75 to 110 respondents per month are required to report for 90 to 130 plants (including 200 to 300 units) on this form. The unit characteristics of interest are changes to the previously reported on-line 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.

Approximate 75-110 respondents are requested to provide data each month on the EIA-860M. This data is 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 (Formerly identified as Data Confidentiality). 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 production and sales data from approximately 3,300 respondents. These include electric utilities, other electricity distributors, and power marketers. The data collected are used to maintain and update the EIA's electric power industry participant frame database. These include electric utilities, other electricity distributors, and power marketers.

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

Data Processing and Data System Editing. The Form EIA-861 is made available to the respondents in January of each year to collect data as of the end of the preceding calendar year. The data are edited when entered into the interactive on-line system. Internal edit checks are performed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA-861 and similar data reported on the Forms 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. A ratio estimation procedure is used for estimation of retail price of electricity at the State level.

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 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 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 (Formerly identified as Data Confidentiality). 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 1,600 plants, which includes a census of nuclear and pumped storage hydroelectric plants. In addition approximately 3,700 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-423 were superseded by Form EIA-923 (Schedule 2) in January of 2008. The 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 will not be 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.

Estimation. Regression prediction is used for all missing data, both for imputation for nonresponse, and to estimate for data not collected in the sample. Imputation is done for gross generation, total fuel consumption, receipts of fossil fuels, cost of fossil fuel shipments, and stocks. Multiple regression is used for gross generation and total fuel consumption. For gross generation, the regressors are prior year average generation for the same fuel, prior year average generation from other fuels, and nameplate capacity. Regressors for total fuel consumption are prior year average fuel consumption from the same fuel, prior year average consumption from other fuels, and nameplate capacity. Average consumption from the previous year for the same fuel is used as the lone regressor for receipts of fossil fuels and for the cost of fossil fuel shipments. For stocks, a linear combination of the prior month's ending stocks value, and the current month's consumption and receipts values.^{20,22,23,25,26,27,28,29}

Several additional fields are estimated by means other than regression. These include net generation and fuel quality information such as sulfur and Btu (British thermal unit) content. Net generation is computed by a fixed ratio to gross generation by prime-mover type. For fuel quality variables, the observed state average is used for all missing records. In the event that no value is available at the state level, the national average is used. Should the

national average also be unavailable, the midpoint of the acceptable range of valuesⁱⁱⁱ is 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 in the following formulas to produce aggregates and averages for each fuel type at the State, Census Division, and U.S. level. For these formulas, receipts and average heat content are at the plant level. For each geographic region, the summation sign, \sum , represents the sum of all facilities in that geographic region.

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.

For each of the above fossil fuels:

$$\text{Total Btu} = \sum_i (R_i \times A_i),$$

where i denotes a facility; R_i = receipts for facility i ;

A_i = average heat content for receipts at facility i ;

$$\text{Weighted Average Btu} = \frac{\sum_i (R_i \times A_i)}{\sum_i R_i},$$

where i denotes a facility; R_i = receipts for facility i ; and, A_i = average heat content for receipts at facility i .

The weighted average cost in cents per million Btu is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{\sum_i (R_i \times A_i)},$$

where i denotes a facility; R_i = receipts for facility i ;

A_i average heat content for receipts at facility i ;

and C_i = cost in cents per million Btu for facility i .

The weighted average cost in dollars per unit (i.e., tons, barrels, or Mcf) is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{10^2 \sum_i R_i},$$

where i denotes a facility; R_i = receipts for facility i ;

A_i = average heat content for receipts at facility i ;

and, C_i = cost in cents per million Btu for facility i .

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 EIA-906 and EIA-920 forms for the collection of these data.

Methodology to Estimate Biogenic and Non-biogenic

Municipal Solid Waste. 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

ⁱⁱⁱ The ranges used are the same as are used for range checks during data collection.

contents of the components of MSW were obtained from various sources^{1,7,26,28}.

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 Table 1 and 2, below)^{iv}.

These values are used to allocate the net and gross generation published in the *Electric Power Monthly* and *Electric Power Annual* 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
Biogenic	57	56	55	55	56	56
Non-biogenic	43	44	45	45	44	44

Table 2. Tonnage Consumption for Biogenic and Non-biogenic Municipal Solid Waste (percent)

	2001	2002	2003	2004	2005	2006
Biogenic	77	77	76	76	75	75
Non-biogenic	23	23	24	24	25	25

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^v. 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

^{iv} 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.

^v See the section “Issues within Historical Data Series” for information on the handling of CHP plants prior to 2008.

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 divided 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). Coke from petroleum has a heating value of 6.024 million Btus per barrel.

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 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 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 (Formerly identified as Data Confidentiality). 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 follow 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.¹⁷ In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

Agriculture, Forestry, and Fishing

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

Mining

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

Construction

23

Manufacturing

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

22 Electric, gas, and sanitary services
2212 Natural gas transmission

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

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

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

Public Administration

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Table C1. Average Heat Content of Fossil-Fuel Receipts, December 2011

Census Division and State	Coal (Million Btu per Ton) ¹	Petroleum Liquids (Million Btu per Barrel) ²	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet) ³
New England.....	23.69	5.98	--	1.04
Connecticut	--	5.65	--	1.03
Maine	25.30	6.08	--	1.05
Massachusetts	22.82	5.92	--	1.04
New Hampshire.....	25.49	6.08	--	1.03
Rhode Island	--	5.79	--	1.03
Vermont	--	5.75	--	1.01
Middle Atlantic.....	22.30	6.01	28.31	1.03
New Jersey	25.75	5.76	--	1.03
New York.....	22.80	6.11	28.31	1.03
Pennsylvania	22.19	5.81	28.31	1.03
East North Central.....	19.91	5.79	28.18	1.02
Illinois	17.79	5.77	--	1.01
Indiana	21.29	5.80	--	1.01
Michigan	19.48	5.81	28.21	1.02
Ohio	23.33	5.77	28.31	1.03
Wisconsin.....	18.23	5.82	28.04	1.02
West North Central.....	16.74	5.78	28.31	1.01
Iowa	17.27	5.77	28.31	1.01
Kansas.....	17.21	5.76	--	1.00
Minnesota.....	17.68	5.80	--	1.01
Missouri	17.59	5.79	--	1.02
Nebraska	17.07	5.80	--	1.01
North Dakota.....	13.19	5.80	--	1.02
South Dakota.....	16.47	5.80	--	1.02
South Atlantic.....	23.36	5.91	28.11	1.02
Delaware	25.11	5.76	--	1.03
District of Columbia.....	--	--	--	--
Florida.....	23.54	5.94	28.24	1.01
Georgia	21.18	5.96	27.89	1.01
Maryland.....	24.03	5.80	--	1.04
North Carolina	24.22	6.11	--	1.01
South Carolina	24.61	6.10	--	1.03
Virginia	24.15	5.69	--	1.02
West Virginia.....	24.00	5.79	--	1.02
East South Central.....	21.14	5.70	28.64	1.02
Alabama	20.56	5.71	--	1.02
Kentucky.....	22.57	5.82	28.64	1.03
Mississippi.....	16.39	5.81	--	1.01
Tennessee.....	20.79	5.68	--	1.01
West South Central.....	15.91	5.79	28.48	1.02
Arkansas	17.45	5.71	--	1.02
Louisiana.....	16.31	5.92	28.49	1.03
Oklahoma.....	17.33	5.94	28.31	1.03
Texas.....	15.29	5.76	28.31	1.02
Mountain.....	18.69	5.67	28.24	1.02
Arizona	19.31	5.77	--	1.02
Colorado	19.03	5.50	--	1.02
Idaho	22.68	5.80	--	1.02
Montana	16.80	5.24	28.24	1.02
Nevada	19.07	5.82	--	1.02
New Mexico.....	18.06	5.68	--	1.02
Utah	22.55	5.86	--	1.03
Wyoming	17.65	5.58	--	1.00
Pacific Contiguous.....	17.99	5.67	28.34	1.02
California	23.55	5.70	28.34	1.02
Oregon	16.71	6.24	--	1.02
Washington.....	17.08	5.64	--	1.02
Pacific Noncontiguous.....	18.34	6.00	--	1.01
Alaska	16.62	5.41	--	1.01
Hawaii.....	19.94	6.09	--	--
U.S. Total.....	19.24	5.92	28.31	1.02

¹ Anthracite, bituminous, subbituminous, lignite, waste coal and coal synfuel.

² Includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

³ Natural gas includes a small amount of supplemental gaseous fuels.

Notes: • See Glossary for definitions. • Values for 2011 are preliminary. • Data represent weighted values.

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

Table C2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2008 Through 2010

Item	Mean Absolute Value of Change (Percent)		
	Total (All Sectors)		
	2008	2009	2010
Net Generation			
Coal ¹ .....	.44	.49	.20
Petroleum Liquids ²	2.82	1.45	1.88
Petroleum Coke	1.40	1.48	1.75
Natural Gas ³ .....	.69	.45	.76
Other Gases	2.37	1.48	1.55
Hydroelectric ⁴	2.73	.90	.97
Nuclear	*	.01	--
Other ⁵	2.94	2.64	.78
Total .....	.22	.11	.17
Consumption of Fossil Fuels for Electric Generation			
Coal ¹ .....	.32	.36	.11
Petroleum Liquids ²	3.54	1.80	1.49
Petroleum Coke	1.64	1.27	1.50
Natural Gas ³ .....	.95	.47	.70
Fuel Stocks⁶			
Coal ¹ .....	.79	.10	.18
Petroleum Liquids ²	--	--	--
Petroleum Coke	--	--	--
Retail Sales			
Residential .....	.05	.12	.32
Commercial ⁷	1.22	1.20	.14
Industrial ⁷	2.76	4.03	.90
Other ⁸	--	--	--
Transportation ⁷ .....	.66	1.63	2.18
Total .....	.31	.60	.17
Revenue			
Residential ⁷ .....	.77	.22	.70
Commercial ⁷ .....	.36	1.59	.61
Industrial .....	.33	3.59	.66
Other ⁸	--	--	--
Transportation ⁷	4.05	3.48	4.24
Total .....	.47	.14	.45
Average Retail Price			
Residential .....	.83	.34	.43
Commercial ⁷ .....	.88	.41	.67
Industrial ⁷	2.67	.57	.41
Other ⁸	--	--	--
Transportation ⁷	4.66	4.60	3.87
Total .....	.78	.70	.55
Receipts of Fossil Fuels			
Coal ¹ .....	.05	.11	.07
Petroleum Liquids ²	1.05	.92	.49
Petroleum Coke .....	.92	.73	.45
Natural Gas ³ .....	.08	.10	.10
Cost of Fossil Fuels⁹			
Coal ¹ .....	.04	.02	.01
Petroleum Liquids ² .....	.22	.41	.03
Petroleum Coke	1.17	.16	.29
Natural Gas ³ .....	.16	.11	.02

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

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

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

⁴ Includes conventional hydroelectric and hydroelectric pumped storage facilities.

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

⁶ Stocks are end-of-month values.

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

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

⁹ Data represent weighted values.

* = Value is less than 0.005.

Notes: • Change refers to the difference between estimates or preliminary monthly data published in the Electric Power Monthly (EPM) and the final monthly data published in the EPM. • Values for 2010 are final.

Sources: U.S. Energy Information Administration, Form EIA-923 "Power Plant Operations Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-906, "Power Plant Report;" Form EIA-920 "Combined Heat and Power Plant Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table C3. Comparison of Annual Monthly Estimates Versus Annual Data at the U.S. Level, All Sectors 2008 Through 2010

Item	2008			2009			2010		
	Annual Monthly Estimates	Annual Final	Change (percent)	Annual Monthly Estimates	Annual Final	Change (percent)	Annual Monthly Estimates	Annual Final	Change (Percent)
Net Generation (thousand megawatthours)									
Coal ¹	1,994,385	1,985,801	-.4	1,764,486	1,755,904	-.5	1,850,750	1,847,290	-.2
Petroleum Liquids ²	31,162	31,917	2.4	25,792	25,972	.7	23,397	23,337	-.3
Petroleum Coke.....	14,192	14,325	.9	13,035	12,964	-.5	13,528	13,724	1.5
Natural Gas ³	876,948	882,981	.7	920,378	920,979	.1	981,815	987,693	.6
Other Gases.....	11,573	11,707	1.2	10,698	10,632	-.6	11,193	11,313	1.1
Hydroelectric ⁴	241,847	248,543	2.8	267,784	268,818	.4	252,961	254,702	.7
Nuclear.....	806,182	806,208	--	798,745	798,855	*	806,968	806,968	--
Other ⁵	133,971	137,905	2.9	152,193	156,207	2.6	179,416	182,617	1.8
Total	4,110,259	4,119,388	.2	3,953,111	3,950,331	-.1	4,120,028	4,127,644	.2
Consumption of Fossil Fuels for Electric Generation									
Coal 1,000 tons ¹	1,043,589	1,042,335	-.1	938,059	934,683	-.4	979,555	979,644	*
Petroleum Liquids (1,000 barrels) ²	52,268	53,846	3.0	43,672	43,562	-.3	40,041	40,103	.2
Petroleum Coke (1,000 tons).....	5,396	5,417	.4	4,855	4,821	-.7	4,956	4,994	.8
Natural Gas (1,000 Mcf) ³	6,833,398	6,895,843	.9	7,104,600	7,121,069	.2	7,633,469	7,680,170	.6
Fuel Stocks for Electric Power Sector⁶									
Coal (1,000 tons) ¹	163,056	161,589	-.9	189,971	189,467	-.3	175,160	174,917	-.1
Petroleum Liquids (1,000 barrels) ²	42,737	40,804	-4.5	38,699	39,210	1.3	36,126	35,706	-1.2
Petroleum Coke (1,000 tons).....	794	739	-7.0	1,395	1,394	-.1	1,087	1,019	-6.3
Retail Sales (Million kWh)									
Residential.....	1,379,307	1,379,981	.1	1,362,869	1,364,474	.1	1,450,758	1,445,707	-.4
Commercial ⁷	1,352,453	1,335,981	-1.2	1,322,989	1,307,168	-1.2	1,329,322	1,328,603	-.1
Industrial ⁷	982,150	1,009,300	2.8	881,903	917,442	4.0	962,165	962,245	*
Other ⁸	--	--	--	--	--	--	--	--	--
Transportation ⁷	7,652	7,700	.6	7,689	7,781	1.2	7,740	7,712	-.4
Total	3,721,562	3,732,962	.3	3,575,450	3,596,865	.6	3,749,985	3,744,267	-.2
Retail Revenue (Million Dollars)									
Residential.....	156,633	155,433	-.8	157,351	157,008	-.2	167,957	166,778	-.7
Commercial ⁷	138,970	138,469	-.4	135,084	132,940	-1.6	136,361	135,440	-.7
Industrial ⁷	68,889	68,920	*	60,341	62,504	3.6	65,311	65,157	-.2
Other ⁸	--	--	--	--	--	--	--	--	--
Transportation ⁷	863	827	-4.2	859	828	-3.6	848	814	-4.0
Total	365,355	363,650	-.5	353,635	353,280	-.1	370,477	368,189	-.6
Average Retail Price (Cents/kWh)									
Residential.....	11.36	11.26	-.9	11.55	11.51	-.4	11.58	11.54	-.4
Commercial ⁷	10.28	10.36	.8	10.21	10.17	-.4	10.26	10.19	-.7
Industrial ⁷	7.01	6.83	-2.6	6.84	6.81	-.4	6.79	6.77	-.3
Other ⁸	--	--	--	--	--	--	--	--	--
Transportation ⁷	11.28	10.74	-4.8	11.17	10.65	-4.7	10.96	10.56	-3.7
Total	9.82	9.74	-.8	9.89	9.82	-.7	9.88	9.83	-.5
Receipts of Fossil Fuels									
Coal (1,000 tons) ¹	1,073,906	1,069,709	-.4	972,973	981,477	.9	976,052	979,918	.4
Petroleum Liquids (1,000 barrels) ²	66,647	61,139	-8.3	50,184	54,181	8.0	46,156	45,472	-1.5
Petroleum Coke (1,000 tons).....	7,361	7,040	-4.4	6,570	6,954	5.9	5,868	5,963	1.6
Natural Gas (1,000 Mcf) ³	7,825,970	7,879,046	.7	8,096,135	8,118,550	.3	8,605,619	8,673,070	.8
Cost of Fossil Fuels (Dollars per million Btu)⁹									
Coal ¹	2.07	2.07	--	2.21	2.21	--	2.27	2.27	--
Petroleum Liquids ²	15.56	15.52	-.3	9.95	10.26	3.1	14.03	14.02	-.1
Petroleum Coke.....	1.92	2.11	9.9	1.62	1.61	-.6	2.23	2.28	2.2
Natural Gas ³	9.11	9.02	-1.0	4.70	4.74	.9	5.08	5.09	.2

¹ Anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

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

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

⁴ Includes conventional hydroelectric and hydroelectric pumped storage facilities.

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

⁶ Stocks are end-of-month values.

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

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

⁹ Data represent weighted values.

* = Value is less than 0.05.

Notes: • The average revenue per kilowatthour is calculated by dividing revenue by sales. • Mean absolute value of change is the unweighted average of the absolute changes. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923 "Power Plant Operations Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-906, "Power Plant Report;" Form EIA-920 "Combined Heat and Power Plant Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table C4. Unit-of-Measure Equivalents for Electricity

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

Source: U.S. Energy Information Administration.

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Glossary

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

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

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

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

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

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

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

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

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

Capacity: See [Generator Capacity](#) and [Generator Name Plate Capacity \(Installed\)](#).

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

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

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

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

Coal Synfuel: Coal-based solid fuel that has been processed by a coal synfuel plant; and coal-based fuels

such as briquettes, pellets, or extrusions, which are formed from fresh or recycled coal and binding materials.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

- *No. 4 Diesel Fuel and No. 4 Fuel Oil: See No. 4 Fuel above.*

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

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

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

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

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

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

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

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are

easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

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

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

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

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

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

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

Franchised Service Area: A specified geographical area in which a utility has been granted the exclusive right to serve customers. A franchise allows an entity to use city streets, alleys and other public lands in

order to provide, distribute, and sell services to the community.

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

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

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

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

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

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

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

Geothermal: Pertaining to heat within the Earth.

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

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

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

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

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

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

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

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

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

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

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

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

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

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

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

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

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

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

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

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts of electricity.

Megawatthour (MWh): One million watthours.

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

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

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

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

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

Net Generation: The amount of gross generation less the electrical energy consumed at the generating

station(s) for station service or auxiliaries. *Note:* Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

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

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

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

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

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

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

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

Other Generation: Electricity originating from these sources: manufactured, supplemental gaseous fuel, propane, and waste gasses, excluding natural gas; biomass; geothermal; wind; solar thermal;

photovoltaic; synthetic fuel; purchased steam; and waste oil energy sources.

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

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

Petroleum Coke: See Coke (Petroleum).

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

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

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

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

Production (Electric): Act or process of producing electric energy from other forms of energy; also, the amount of electric energy expressed in watt-hours (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.