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U.S. Energy Information Administration

Electric Power Monthly
with Data for September 2015

November 2015

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Table 5.7, "Number of Ultimate Customers Served by Sector" and Table 5.8, "Number of Ultimate Customers Served by Sector by State" were revised to correct for minor double-counting of certain customer classes. Sales, revenues, and average price to ultimate customers appearing in tables ES1.A, ES1.B, 5.1, 5.2, 5.3, 5.4.A, 5.4.B, 5.5.A, 5.5.B, 5.6.A, and 5.6.B were revised slightly for September 2014 due to a revision in the allocation method for monthly sales and revenues for annual respondents. Table 6.1.A, "Net Summer Capacity for Utility Scale Solar Photovoltaic and Distributed Solar Photovoltaic Capacity" and Table 6.1.B, "Net Summer Capacity for Estimated Distributed Solar Photovoltaic Capacity by Sector" were added to the EPM for the first time.

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

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Table ES1.A. Total Electric Power Industry Summary Statistics, 2015 and 2014

Net Generation and Consumption of Fuels for September														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	118,489	126,110	-6.0%	87,820	94,482	29,622	30,580	32	36	1,015	1,013	0	0
Petroleum Liquids	Utility Scale Facilities	1,023	929	10.1%	703	711	275	171	9	8	37	39	0	0
Petroleum Coke	Utility Scale Facilities	1,037	1,019	1.7%	797	750	140	145	1	1	99	123	0	0
Natural Gas	Utility Scale Facilities	123,248	106,582	15.6%	56,380	46,260	58,916	52,430	675	657	7,278	7,234	0	0
Other Gas	Utility Scale Facilities	1,217	1,126	8.0%	21	5	325	293	0	0	870	828	0	0
Nuclear	Utility Scale Facilities	66,466	67,535	-1.6%	35,034	35,296	31,432	32,238	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	16,206	16,074	0.8%	15,065	14,895	1,078	1,091	NM	3	61	86	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	22,706	19,893	14.1%	2,863	2,402	17,210	14,937	283	278	2,351	2,276	0	0
... Wind	Utility Scale Facilities	13,859	11,520	20.3%	2,251	1,806	11,596	9,704	NM	8	NM	2	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	2,350	1,832	28.3%	140	126	2,158	1,670	50	35	2	2	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,473	3,462	0.3%	250	262	978	1,025	5	4	2,240	2,171	0	0
... Other Biomass	Utility Scale Facilities	1,731	1,772	-2.3%	137	117	1,269	1,322	221	231	104	102	0	0
... Geothermal	Utility Scale Facilities	1,293	1,308	-1.1%	85	91	1,208	1,217	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-526	-542	-3.0%	-459	-461	-67	-81	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	1,119	1,159	-3.5%	49	50	547	562	110	104	413	444	0	0
All Energy Sources	Utility Scale Facilities	350,986	339,887	3.3%	198,272	194,390	139,478	132,366	1,112	1,086	12,123	12,044	0	0
Estimated Distributed Solar Photovoltaic	Distributed Facilities	1,137	888	28.0%	0	0	0	0	457	396	110	88	570	404
Estimated Total Solar Photovoltaic	All Facilities	3,178	2,463	29.1%	133	115	1,857	1,423	507	432	112	89	570	404
Estimated Total Solar	All Facilities	3,487	2,721	28.2%	140	126	2,158	1,670	507	432	112	89	570	404
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	65,088	69,127	-5.8%	47,634	50,728	17,071	17,998	11	12	372	389	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,718	1,645	4.5%	1,268	1,296	389	274	16	24	45	50	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	381	372	2.5%	294	281	61	62	0	0	26	29	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	934,539	805,960	16.0%	435,427	355,962	440,245	391,332	6,420	6,396	52,448	52,270	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,369	1,355	1.0%	73	70	144	121	46	52	1,105	1,113	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	240	173	38.3%	1	1	94	62	9	2	136	109	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	107	113	-5.3%	0	0	8	9	2	2	97	102	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	75,138	69,772	7.7%	753	367	26,028	23,285	4,546	3,731	43,811	42,390	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	66,457	70,482	-5.7%	47,707	50,798	17,215	18,118	58	64	1,477	1,502	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,958	1,818	7.7%	1,268	1,297	484	336	25	26	181	159	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	488	485	0.7%	294	281	70	70	2	2	122	131	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,009,677	875,732	15.3%	436,181	356,329	466,272	414,618	10,965	10,126	96,259	94,659	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	164,096	126,977	29.2%	129,629	96,266	32,743	28,280	165	264	1,559	2,167	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	31,921	32,175	-0.8%	20,249	21,338	9,707	8,451	257	540	1,708	1,847	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,251	596	109.7%	973	W	129	W	W	W	W	W	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for September									
	Total U.S. Electric Power Industry								
	Sales of Electricity to Ultimate Customers (million kWh)			Revenue from Sales of Electricity to Ultimate Customers (million dollars)			Average Price of Electricity to Ultimate Customers (cents/kWh)		
Sector	September 2015	September 2014	Percentage Change	September 2015	September 2014	Percentage Change	September 2015	September 2014	Percentage Change
Residential	124,992	120,741	3.5%	16,330	15,639	4.4%	13.06	12.95	0.8%
Commercial	121,934	120,049	1.6%	13,336	13,399	-0.5%	10.94	11.16	-2.0%
Industrial	82,141	85,489	-3.9%	5,898	6,299	-6.4%	7.18	7.37	-2.6%
Transportation	617	628	-1.6%	64	69	-7.9%	10.32	11.02	-6.4%
All Sectors	329,684	326,907	0.8%	35,627	35,406	0.6%	10.81	10.83	-0.2%

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.
Sales of electricity to ultimate customers and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).
Net generation is presented for the calendar month while sales of electricity to ultimate customers and associated revenue accumulate from bills collected for periods of time that vary depending

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2015 and 2014

Net Generation and Consumption of Fuels for January through September															
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	1,081,138	1,226,667	-11.9%	808,997	909,732	262,874	307,042	384	475	8,884	9,418	0	0
Petroleum Liquids	Utility Scale Facilities	14,518	15,458	-6.1%	8,496	8,735	5,411	6,084	180	218	431	421	0	0
Petroleum Coke	Utility Scale Facilities	8,679	9,423	-7.9%	6,575	7,226	1,250	1,132	6	6	848	1,059	0	0
Natural Gas	Utility Scale Facilities	1,011,431	853,535	18.5%	464,627	381,463	477,008	402,179	5,740	5,464	64,057	64,428	0	0
Other Gas	Utility Scale Facilities	10,111	8,713	16.0%	183	84	2,778	2,275	0	0	7,149	6,354	0	0
Nuclear	Utility Scale Facilities	606,709	596,272	1.8%	318,046	314,876	288,663	281,397	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	191,738	201,254	-4.7%	175,900	184,539	14,820	15,718	NM	32	987	965	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	216,286	207,065	4.5%	26,936	25,161	165,302	157,870	2,544	2,471	21,504	21,563	0	0
... Wind	Utility Scale Facilities	134,518	133,569	0.7%	21,176	20,050	113,215	113,410	87	72	39	37	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	20,892	13,563	54.0%	1,312	931	19,124	12,332	437	287	19	13	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	32,062	31,673	1.2%	2,493	2,264	9,053	8,847	44	64	20,472	20,498	0	0
... Other Biomass	Utility Scale Facilities	16,171	16,466	-1.8%	1,155	1,083	12,067	12,321	1,975	2,048	974	1,014	0	0
... Geothermal	Utility Scale Facilities	12,643	11,794	7.2%	801	834	11,843	10,960	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-3,974	-4,715	-15.7%	-3,202	-3,943	-772	-772	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	9,876	9,961	-0.8%	357	463	5,036	4,965	906	879	3,577	3,654	0	0
All Energy Sources	Utility Scale Facilities	3,146,512	3,123,632	0.7%	1,806,915	1,828,336	1,222,369	1,177,890	9,789	9,545	107,438	107,862	0	0
Estimated Distributed Solar Photovoltaic	Distributed Facilities	9,515	7,393	28.7%	0	0	0	0	3,986	3,430	932	732	4,597	3,231
Estimated Total Solar Photovoltaic	All Facilities	27,703	18,991	45.9%	1,217	838	16,514	10,460	4,423	3,717	951	745	4,597	3,231
Estimated Total Solar	All Facilities	30,407	20,956	45.1%	1,312	931	19,124	12,332	4,423	3,717	951	745	4,597	3,231
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	588,036	660,054	-10.9%	434,564	482,711	150,139	173,642	129	161	3,204	3,540	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	24,570	26,579	-7.6%	15,223	15,937	8,377	9,707	362	364	608	571	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	3,244	3,470	-6.5%	2,483	2,699	526	483	2	1	234	286	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	7,636,108	6,501,170	17.5%	3,587,994	2,979,166	3,532,168	3,002,125	55,140	54,522	460,806	465,358	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	12,894	13,696	-5.9%	723	749	1,247	1,418	524	673	10,401	10,856	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	2,414	2,471	-2.3%	60	62	938	907	157	206	1,259	1,297	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,075	978	9.9%	5	1	82	62	11	11	977	903	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	689,311	648,325	6.3%	6,228	3,400	230,371	218,741	39,484	35,303	413,228	390,882	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	600,930	673,750	-10.8%	435,286	483,461	151,386	175,060	653	833	13,605	14,396	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	26,984	29,051	-7.1%	15,283	15,999	9,315	10,614	519	570	1,867	1,868	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	4,320	4,448	-2.9%	2,489	2,701	607	546	13	12	1,211	1,189	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	8,325,419	7,149,496	16.4%	3,594,222	2,982,566	3,762,539	3,220,865	94,624	89,825	874,034	856,240	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through September									
	Total U.S. Electric Power Industry								
	Sales of Electricity to Ultimate Customers (million kWh)			Revenue from Sales of Electricity to Ultimate Customers (million dollars)			Average Price of Electricity to Ultimate Customers (cents/kWh)		
Sector	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	Percentage Change
Residential	1,097,359	1,088,884	0.8%	139,267	136,702	1.9%	12.69	12.55	1.1%
Commercial	1,034,122	1,026,819	0.7%	110,301	110,855	-0.5%	10.67	10.80	-1.2%
Industrial	723,793	751,415	-3.7%	50,496	54,005	-6.5%	6.98	7.19	-2.9%
Transportation	5,794	5,869	-1.3%	595	616	-3.3%	10.27	10.49	-2.1%
All Sectors	2,861,068	2,872,988	-0.4%	300,660	302,177	-0.5%	10.51	10.52	-0.1%

YTD = Year to Date

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.

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

Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.

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

Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.

Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.

Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.

Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.

Sales of electricity to ultimate customers and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).

Net generation is presented for the calendar month while sales of electricity to ultimate customers and associated revenue accumulate from bills collected for periods of time that vary depending

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2015 and 2014

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal (1000 tons)	69,472	72,158	42.78	46.16	305	378	585,627	635,176	43.50	45.96
Petroleum Liquids (1000 barrels)	2,364	1,686	59.04	119.51	168	197	18,435	20,443	74.80	129.37
Petroleum Coke (1000 tons)	458	414	50.19	54.55	12	12	3,605	3,774	54.66	57.08
Natural Gas (1000 Mcf)	909,925	788,357	3.16	4.33	771	778	7,484,408	6,412,017	3.50	5.36

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal (1000 tons)	51,539	52,716	44.05	47.40	217	252	439,205	455,163	44.15	46.80
Petroleum Liquids (1000 barrels)	1,156	1,137	59.71	121.13	101	124	11,183	11,741	73.71	129.59
Petroleum Coke (1000 tons)	429	345	49.08	51.54	9	8	3,084	3,169	52.56	54.98
Natural Gas (1000 Mcf)	412,983	342,647	3.51	4.77	404	402	3,421,577	2,885,724	3.79	5.47

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal (1000 tons)	17,245	18,355	38.10	41.35	66	93	140,037	170,150	40.53	42.65
Petroleum Liquids (1000 barrels)	1,128	526	57.00	115.97	57	59	6,657	8,420	76.16	129.57
Petroleum Coke (1000 tons)	16	33	W	W	1	1	352	369	68.28	70.08
Natural Gas (1000 Mcf)	437,288	387,887	2.79	3.84	319	321	3,527,672	2,981,941	3.22	5.35

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal (1000 tons)	2	13	W	W	1	2	87	146	64.92	W
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	620	551	W	W	3	3	4,592	4,083	W	W

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal (1000 tons)	686	1,073	W	W	21	31	6,298	9,718	64.53	W
Petroleum Liquids (1000 barrels)	79	23	74.16	108.43	10	14	595	282	81.53	114.67
Petroleum Coke (1000 tons)	14	36	W	W	2	3	169	236	W	W
Natural Gas (1000 Mcf)	59,033	57,273	W	W	45	52	530,568	540,269	W	W

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... A plant using more than one fuel may be counted multiple times.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2015 and 2014

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal	1,340,736	1,403,234	2.22	2.37	305	378	11,337,091	12,351,677	2.25	2.36
Petroleum Liquids	14,405	10,222	9.69	19.67	168	197	111,642	123,427	12.33	21.41
Petroleum Coke	13,033	11,787	1.76	1.92	12	12	102,370	106,982	1.92	2.01
Natural Gas	941,441	813,131	3.06	4.20	771	778	7,738,468	6,595,236	3.38	5.22
Fossil Fuels	2,309,616	2,238,373	2.58	3.06	957	1,018	19,289,571	19,177,321	2.73	3.39

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal	1,005,257	1,037,230	2.26	2.41	217	252	8,554,008	8,946,259	2.27	2.38
Petroleum Liquids	7,091	6,921	9.74	19.90	101	124	68,179	71,147	12.09	21.38
Petroleum Coke	12,216	9,844	1.72	1.81	9	8	87,789	90,180	1.85	1.93
Natural Gas	427,099	353,112	3.40	4.63	404	402	3,535,503	2,962,229	3.67	5.33
Fossil Fuels	1,451,662	1,407,107	2.62	3.05	533	559	12,245,479	12,069,815	2.72	3.21

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal	319,898	342,392	2.05	2.21	66	93	2,638,253	3,192,262	2.15	2.27
Petroleum Liquids	6,827	3,161	9.45	19.20	57	59	39,828	50,539	12.68	21.55
Petroleum Coke	432	946	W	W	1	1	9,871	10,374	2.43	2.48
Natural Gas	452,689	400,187	2.69	3.72	319	321	3,649,520	3,070,969	3.11	5.20
Fossil Fuels	779,846	746,686	W	W	372	396	6,337,473	6,324,144	W	W

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal	49	306	W	W	1	2	1,939	3,290	2.90	W
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	632	555	W	W	3	3	4,670	4,121	W	W
Fossil Fuels	681	861	W	W	3	3	6,609	7,411	W	W

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
Coal	15,532	23,305	W	W	21	31	142,890	209,865	2.84	W
Petroleum Liquids	487	140	12.03	17.75	10	14	3,634	1,741	13.34	18.59
Petroleum Coke	386	997	W	W	2	3	4,710	6,428	W	W
Natural Gas	61,022	59,277	W	W	45	52	548,775	557,918	W	W
Fossil Fuels	77,427	83,719	W	W	49	60	700,009	775,952	W	W

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
…. The total number of fossil fuel plants is not the sum of the figures above it because a plant that receives two or more different fuels is only counted once.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2005-September 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2005	2,012,873	99,840	22,385	760,960	13,464	781,986	270,321	550	86,779	-6,558	12,821	4,055,423	N/A	N/A	N/A
2006	1,990,511	44,460	19,706	816,441	14,177	787,219	289,246	508	96,018	-6,558	12,974	4,064,702	N/A	N/A	N/A
2007	2,016,456	49,505	16,234	896,590	13,453	806,425	247,510	612	104,626	-6,896	12,231	4,156,745	N/A	N/A	N/A
2008	1,985,801	31,917	14,325	882,981	11,707	806,208	254,831	864	125,237	-6,288	11,804	4,119,388	N/A	N/A	N/A
2009	1,755,904	25,972	12,964	920,979	10,632	798,855	273,445	891	143,388	-4,627	11,928	3,950,331	N/A	N/A	N/A
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	1,212	165,961	-5,501	12,855	4,125,060	N/A	N/A	N/A
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	1,818	192,163	-6,421	14,154	4,100,141	N/A	N/A	N/A
2012	1,514,043	13,403	9,787	1,225,894	11,898	769,331	276,240	4,327	214,006	-4,950	13,787	4,047,765	N/A	N/A	N/A
2013	1,581,115	13,820	13,344	1,124,836	12,853	789,016	268,565	9,036	244,472	-4,681	13,588	4,065,964	N/A	N/A	N/A
2014	1,581,710	18,276	11,955	1,126,609	12,022	797,166	259,367	17,691	261,522	-6,174	13,461	4,093,606	9,536	24,785	27,227
Year 2013															
January	138,105	1,733	1,042	88,559	1,144	71,406	24,829	310	21,208	-465	1,098	348,967	N/A	N/A	N/A
February	123,547	1,130	867	80,283	968	61,483	20,418	433	19,898	-320	1,020	309,728	N/A	N/A	N/A
March	130,634	990	1,007	84,725	1,070	62,947	20,534	619	22,191	-462	1,143	325,399	N/A	N/A	N/A
April	111,835	995	891	78,036	1,020	56,767	25,097	667	23,294	-292	1,024	299,333	N/A	N/A	N/A
May	119,513	1,067	1,345	83,816	1,088	62,848	28,450	753	22,502	-334	1,110	322,156	N/A	N/A	N/A
June	138,283	1,035	1,307	99,615	1,048	66,430	27,384	871	20,084	-358	1,125	356,823	N/A	N/A	N/A
July	152,867	1,458	1,354	120,771	1,148	70,539	27,255	829	17,764	-340	1,201	394,846	N/A	N/A	N/A
August	149,426	1,076	1,372	121,156	1,143	71,344	21,633	944	16,438	-465	1,217	385,286	N/A	N/A	N/A
Sept	133,110	964	1,222	102,063	1,087	65,799	16,961	949	18,043	-439	1,182	340,941	N/A	N/A	N/A
October	120,996	945	1,074	88,587	1,072	63,184	17,199	988	20,070	-373	1,185	314,925	N/A	N/A	N/A
November	120,940	989	850	84,287	1,060	64,975	17,677	824	22,206	-413	1,143	314,540	N/A	N/A	N/A
December	141,860	1,438	1,013	92,936	1,006	71,294	21,128	850	20,776	-421	1,141	353,021	N/A	N/A	N/A
Year 2014															
January	157,097	5,913	1,158	91,061	933	73,163	21,634	751	24,742	-290	1,092	377,255	530	1,227	1,281
February	143,294	1,847	916	75,942	817	62,639	17,396	835	20,166	-445	941	324,348	564	1,316	1,398
March	136,443	2,002	1,186	78,151	866	62,397	24,257	1,317	24,534	-421	1,093	331,823	769	1,904	2,086
April	109,281	911	842	76,782	854	56,385	25,440	1,487	24,989	-378	1,039	297,631	839	2,100	2,326
May	118,786	960	1,084	89,120	944	62,947	26,544	1,750	22,073	-601	1,118	324,724	927	2,384	2,676
June	137,577	889	1,131	98,468	969	68,138	25,744	1,923	22,541	-653	1,117	357,844	934	2,512	2,858
July	149,627	992	1,050	115,081	1,069	71,940	24,357	1,788	19,256	-545	1,163	385,780	975	2,501	2,763
August	148,452	1,014	1,036	122,348	1,135	71,129	19,807	1,879	17,141	-840	1,239	384,341	967	2,585	2,846
Sept	126,110	929	1,019	106,582	1,126	67,535	16,074	1,832	18,061	-542	1,159	339,887	888	2,463	2,721
October	111,296	908	609	97,683	1,082	62,391	17,159	1,717	21,002	-448	1,122	314,522	819	2,303	2,536
November	119,127	963	775	84,354	1,073	65,140	18,625	1,380	25,428	-531	1,161	317,495	673	1,904	2,052
December	124,620	947	1,149	91,038	1,153	73,363	22,329	1,032	21,590	-480	1,218	337,957	651	1,587	1,682
Year 2015															
January	132,509	1,929	1,041	101,817	1,268	74,270	24,598	1,217	22,446	-528	1,066	361,633	643	1,796	1,860
February	127,150	5,205	1,120	91,375	1,063	63,462	22,746	1,632	21,331	-441	919	335,562	705	2,174	2,337
March	108,544	1,079	728	99,139	1,044	64,547	24,869	2,239	21,981	-399	989	324,760	979	2,931	3,218
April	88,646	913	805	92,980	922	59,757	22,559	2,564	24,156	-208	1,064	294,158	1,094	3,284	3,658
May	104,774	1,020	922	101,922	998	65,833	20,187	2,598	23,796	-363	1,128	322,814	1,202	3,452	3,800
June	126,139	1,034	812	121,397	1,096	68,546	20,068	2,713	20,171	-381	1,139	362,735	1,218	3,548	3,932
July	139,601	1,205	1,142	140,900	1,288	71,412	21,066	2,750	20,948	-507	1,217	401,022	1,277	3,644	4,027
August	135,287	1,109	1,071	138,653	1,216	72,415	19,440	2,829	20,207	-623	1,235	392,840	1,260	3,694	4,090
Sept	118,489	1,023	1,037	123,248	1,217	66,466	16,206	2,350	20,356	-526	1,119	350,986	1,137	3,178	3,487
Year to Date															
2013	1,197,319	10,448	10,407	859,025	9,715	589,564	212,562	6,374	181,420	-3,475	10,119	3,083,478	N/A	N/A	N/A
2014	1,226,667	15,458	9,423	853,535	8,713	596,272	201,254	13,563	193,503	-4,715	9,961	3,123,632	7,393	18,991	20,956
2015	1,081,138	14,518	8,679	1,011,431	10,111	606,709	191,738	20,892	195,393	-3,974	9,876	3,146,512	9,515	27,703	30,407
Rolling 12 Months Ending in September															
2014	1,610,463	18,830	12,360	1,119,345	11,851	795,725	257,257	16,225	256,555	-5,921	13,429	4,106,119	N/A	N/A	N/A
2015	1,436,182	17,337	11,212	1,284,506	13,419	807,603	249,850	25,020	263,412	-5,432	13,377	4,116,485	11,658	33,497	36,678

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2005-September 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities										Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Wind	Solar Photovoltaic	Solar Thermal	Wood and Wood-Derived Fuels	Landfill Gas	Biogenic Municipal Solid Waste	Other Waste Biomass	Geothermal	Conventional Hydroelectric	Total Renewable Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals													
2005	17,811	16	535	38,856	5,142	8,330	1,948	14,692	270,321	357,651	N/A	N/A	N/A
2006	26,589	15	493	38,762	5,677	8,478	1,944	14,568	289,246	385,772	N/A	N/A	N/A
2007	34,450	16	596	39,014	6,158	8,304	2,063	14,637	247,510	352,747	N/A	N/A	N/A
2008	55,363	76	788	37,300	7,156	8,097	2,481	14,840	254,831	380,932	N/A	N/A	N/A
2009	73,886	157	735	36,050	7,924	8,058	2,461	15,009	273,445	417,724	N/A	N/A	N/A
2010	94,652	423	789	37,172	8,377	7,927	2,613	15,219	260,203	427,376	N/A	N/A	N/A
2011	120,177	1,012	806	37,449	9,044	7,354	2,824	15,316	319,355	513,336	N/A	N/A	N/A
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573	N/A	N/A	N/A
2013	167,840	8,121	915	40,028	10,658	7,186	2,986	15,775	268,565	522,073	N/A	N/A	N/A
2014	181,655	15,250	2,441	42,340	11,220	7,228	3,202	15,877	259,367	538,579	9,536	24,785	27,227
Year 2013													
January	14,739	299	11	3,400	870	579	239	1,382	24,829	46,347	N/A	N/A	N/A
February	14,076	387	45	3,083	782	507	213	1,236	20,418	40,749	N/A	N/A	N/A
March	15,756	547	72	3,300	917	601	240	1,378	20,534	43,345	N/A	N/A	N/A
April	17,476	573	93	2,863	848	576	256	1,274	25,097	49,058	N/A	N/A	N/A
May	16,239	649	104	3,174	923	620	238	1,308	28,450	51,704	N/A	N/A	N/A
June	13,748	749	122	3,330	890	617	221	1,278	27,384	48,338	N/A	N/A	N/A
July	11,094	743	85	3,536	911	640	246	1,337	27,255	45,847	N/A	N/A	N/A
August	9,634	845	99	3,634	962	628	258	1,322	21,633	39,015	N/A	N/A	N/A
Sept	11,674	874	75	3,353	884	597	235	1,299	16,961	35,952	N/A	N/A	N/A
October	13,635	875	112	3,341	863	606	262	1,363	17,199	38,256	N/A	N/A	N/A
November	15,803	775	49	3,407	888	594	283	1,230	17,677	40,707	N/A	N/A	N/A
December	13,967	804	46	3,606	920	621	296	1,366	21,128	42,754	N/A	N/A	N/A
Year 2014													
January	17,911	697	54	3,626	967	584	299	1,355	21,634	47,127	530	1,227	1,281
February	14,009	752	83	3,265	930	490	267	1,206	17,396	38,397	564	1,316	1,398
March	17,736	1,135	182	3,609	961	599	291	1,338	24,257	50,108	769	1,904	2,086
April	18,636	1,261	226	3,230	957	586	267	1,314	25,440	51,916	839	2,100	2,326
May	15,601	1,457	292	3,290	944	635	270	1,332	26,544	50,366	927	2,384	2,676
June	15,799	1,578	345	3,622	943	613	271	1,293	25,744	50,208	934	2,512	2,858
July	12,187	1,525	262	3,807	1,035	646	261	1,320	24,357	45,402	975	2,501	2,763
August	10,171	1,618	261	3,761	988	647	245	1,329	19,807	38,828	967	2,585	2,846
Sept	11,520	1,574	258	3,462	932	606	234	1,308	16,074	35,968	888	2,463	2,721
October	14,508	1,484	233	3,422	854	603	269	1,345	17,159	39,878	819	2,303	2,536
November	18,867	1,232	148	3,508	820	612	258	1,362	18,625	45,432	673	1,904	2,052
December	14,711	936	95	3,737	890	609	268	1,375	22,329	44,950	651	1,587	1,682
Year 2015													
January	15,263	1,153	64	3,800	986	617	299	1,480	24,598	48,261	643	1,796	1,860
February	14,957	1,470	162	3,421	823	519	261	1,350	22,746	45,709	705	2,174	2,337
March	15,332	1,952	287	3,454	897	558	278	1,461	24,869	49,089	979	2,931	3,218
April	17,829	2,190	374	3,244	913	593	233	1,343	22,559	49,279	1,094	3,284	3,658
May	17,167	2,251	347	3,360	939	626	244	1,461	20,187	46,581	1,202	3,452	3,800
June	13,432	2,330	383	3,546	942	626	240	1,385	20,068	42,952	1,218	3,548	3,932
July	13,647	2,367	383	3,922	992	680	267	1,441	21,066	44,764	1,277	3,644	4,027
August	13,032	2,434	395	3,842	977	667	261	1,429	19,440	42,476	1,260	3,694	4,090
Sept	13,859	2,042	309	3,473	880	612	239	1,293	16,206	38,912	1,137	3,178	3,487
Year to Date													
2013	124,434	5,666	708	29,673	7,987	5,365	2,145	11,815	212,562	400,356	N/A	N/A	N/A
2014	133,569	11,598	1,965	31,673	8,656	5,404	2,406	11,794	201,254	408,319	7,393	18,991	20,956
2015	134,518	18,188	2,704	32,062	8,349	5,498	2,323	12,643	191,738	408,023	9,515	27,703	30,407
Rolling 12-Month Ending in September													
2014	176,975	14,053	2,172	42,027	11,326	7,226	3,247	15,754	257,257	530,037	N/A	N/A	N/A
2015	182,604	21,840	3,181	42,728	10,913	7,322	3,119	16,726	249,850	538,283	11,658	33,497	36,678

Wood and Wood-derived fuels include wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.
Other Waste Biomass includes sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.2.A. Net Generation by Energy Source: Electric Utilities, 2005-September 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities											
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
Annual Totals												
2005	1,484,855	58,572	11,150	238,204	10	436,296	245,553	16	4,930	-5,383	643	2,474,846
2006	1,471,421	31,269	9,634	282,088	30	425,341	261,864	15	6,573	-5,281	700	2,483,656
2007	1,490,985	33,325	7,395	313,785	141	427,555	226,734	11	8,943	-5,328	586	2,504,131
2008	1,466,395	22,206	5,918	320,190	46	424,256	229,645	17	11,291	-5,143	545	2,475,367
2009	1,322,092	18,035	7,182	349,166	96	417,275	247,198	28	14,589	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	101	17,826	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	216	21,717	-5,492	604	2,460,851
2012	1,146,480	9,892	5,664	504,958	0	394,823	252,936	639	27,378	-4,202	603	2,339,172
2013	1,188,452	9,446	9,522	501,427	798	406,114	243,040	943	31,474	-3,773	615	2,388,058
2014	1,173,073	10,696	9,147	501,414	112	419,871	238,185	1,218	33,278	-5,144	622	2,382,473
Year 2013												
January	103,536	1,018	700	39,880	71	36,748	22,563	31	2,935	-404	45	207,123
February	91,384	723	616	36,248	63	31,144	18,316	43	2,661	-270	47	180,975
March	97,675	755	687	37,661	59	31,426	18,349	65	2,781	-382	54	189,129
April	84,352	744	574	33,545	38	28,991	22,654	67	2,986	-232	42	173,761
May	90,053	785	1,035	36,891	61	32,977	25,924	81	2,755	-260	52	190,354
June	104,679	751	966	45,152	68	34,504	24,686	94	2,352	-261	43	213,033
July	114,402	950	976	52,966	66	36,733	24,705	89	2,156	-238	62	232,867
August	113,917	794	952	55,077	76	37,177	19,864	101	1,956	-417	60	229,557
Sept	99,056	664	905	45,845	75	34,459	15,422	98	2,493	-347	49	198,719
October	91,694	699	759	39,850	61	31,605	15,619	105	2,577	-307	51	182,713
November	92,146	731	609	36,703	78	32,939	15,975	81	3,004	-331	56	181,991
December	105,558	832	743	41,610	81	37,412	18,964	88	2,819	-326	55	207,837
Year 2014												
January	115,862	2,445	949	41,208	13	38,847	19,673	53	3,286	-218	47	222,165
February	104,638	1,051	706	33,600	7	32,937	15,973	61	2,698	-361	34	191,345
March	97,957	1,037	953	35,116	9	32,612	22,423	91	3,296	-355	57	193,194
April	77,724	711	572	34,890	20	30,312	22,977	98	3,274	-301	52	170,329
May	89,103	709	833	41,226	12	33,760	23,933	114	2,632	-506	49	191,866
June	104,523	650	894	44,315	5	35,898	23,790	127	2,613	-557	53	212,311
July	112,875	711	792	50,296	7	38,031	22,624	131	2,261	-445	62	227,343
August	112,568	711	778	54,553	6	37,182	18,251	130	1,894	-740	60	225,392
Sept	94,482	711	750	46,260	5	35,296	14,895	126	2,277	-461	50	194,390
October	82,991	652	457	42,360	4	32,017	15,863	124	2,826	-351	48	176,990
November	87,064	643	577	37,477	9	34,552	17,369	91	3,473	-441	55	180,869
December	93,287	666	887	40,114	15	38,428	20,415	72	2,749	-409	56	196,279
Year 2015												
January	96,617	1,161	813	45,824	26	39,377	22,779	77	3,155	-436	31	209,423
February	92,639	2,061	879	43,191	23	33,478	21,378	101	2,906	-372	33	196,317
March	80,526	702	502	45,655	21	33,328	22,844	144	3,140	-306	21	186,577
April	67,607	699	565	42,878	20	31,053	20,181	163	3,180	-146	36	166,236
May	80,806	712	691	46,368	19	35,089	18,571	168	3,058	-285	40	185,238
June	95,336	777	604	56,905	17	35,150	18,196	172	2,326	-283	35	209,236
July	105,868	864	898	64,478	NM	37,055	18,935	172	2,551	-406	56	230,485
August	101,777	818	827	62,948	21	38,482	17,952	175	2,585	-510	56	225,131
Sept	87,820	703	797	56,380	21	35,034	15,065	140	2,723	-459	49	198,272
Year to Date												
2013	899,054	7,184	7,411	383,263	577	304,158	192,483	669	23,075	-2,809	454	1,815,518
2014	909,732	8,735	7,226	381,463	84	314,876	184,539	931	24,230	-3,943	463	1,828,336
2015	808,997	8,496	6,575	464,627	183	318,046	175,900	1,312	25,624	-3,202	357	1,806,915
Rolling 12 Months Ending in September												
2014	1,199,130	10,997	9,337	499,627	305	416,832	235,097	1,205	32,630	-4,907	624	2,400,877
2015	1,072,338	10,457	8,496	584,578	NM	423,042	229,547	1,599	34,672	-4,402	516	2,361,053

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.2.B Net Generation by Energy Source: Independent Power Producers, 2005-September 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities											
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
Annual Totals												
2005	507,199	37,096	9,664	445,625	3,767	345,690	21,486	535	51,173	-1,174	6,285	1,427,346
2006	498,316	10,396	8,409	452,329	4,223	361,877	24,390	493	58,853	-1,277	6,412	1,424,421
2007	507,406	13,645	6,942	500,967	3,901	378,869	19,109	601	65,150	-1,569	6,191	1,501,212
2008	502,442	8,021	6,737	482,182	3,154	381,952	23,451	847	84,928	-1,145	6,414	1,498,982
2009	419,031	6,306	4,288	491,839	2,962	381,579	24,308	863	100,997	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	1,105	119,851	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	1,511	140,442	-928	7,059	1,487,335
2012	354,076	2,757	1,758	627,833	2,984	374,509	20,923	3,525	156,539	-748	7,030	1,551,186
2013	379,270	3,761	1,780	527,522	3,524	382,902	22,018	7,782	181,263	-908	6,742	1,515,657
2014	395,701	6,789	1,410	531,758	3,246	377,295	19,861	16,086	196,723	-1,030	6,690	1,554,530
Year 2013												
January	33,416	635	149	40,509	313	34,658	1,938	269	15,567	-61	545	127,938
February	31,100	346	132	36,722	261	30,340	1,736	374	14,766	-50	497	116,224
March	31,794	187	151	39,104	259	31,522	1,878	531	16,778	-80	574	122,699
April	26,434	206	144	37,081	284	27,776	2,189	573	17,890	-60	528	113,045
May	28,327	228	101	39,353	306	29,871	2,194	643	17,152	-74	574	118,674
June	32,481	241	141	46,520	280	31,926	2,365	745	15,065	-97	586	130,253
July	37,252	460	167	58,993	315	33,807	2,224	710	12,812	-103	605	147,241
August	34,371	239	211	57,526	300	34,167	1,525	813	11,692	-47	587	141,386
Sept	32,990	262	141	48,349	298	31,340	1,297	819	12,955	-92	561	128,919
October	28,248	202	149	41,022	343	31,578	1,339	849	14,846	-66	558	119,069
November	27,712	212	144	39,663	289	32,037	1,494	718	16,558	-82	554	119,297
December	35,144	544	151	42,679	274	33,881	1,839	738	15,181	-95	574	130,911
Year 2014												
January	40,054	3,281	109	41,761	253	34,316	1,837	681	18,727	-72	533	141,480
February	37,580	698	123	35,129	204	29,702	1,316	753	15,039	-84	472	120,930
March	37,333	880	129	35,402	206	29,785	1,715	1,196	18,569	-66	571	125,720
April	30,554	160	141	34,693	211	26,072	2,332	1,355	19,166	-77	516	115,124
May	28,635	203	125	40,419	271	29,187	2,477	1,596	16,817	-95	569	120,205
June	31,947	193	108	46,588	252	32,240	1,850	1,755	17,275	-96	565	132,678
July	35,597	236	128	56,400	276	33,909	1,641	1,618	14,183	-100	584	144,474
August	34,761	261	123	59,357	309	33,946	1,458	1,709	12,495	-101	594	144,913
Sept	30,580	171	145	52,430	293	32,238	1,091	1,670	13,267	-81	562	132,366
October	27,332	209	51	47,693	331	30,374	1,200	1,556	15,642	-97	566	124,857
November	31,053	268	88	39,234	292	30,589	1,155	1,260	19,441	-90	578	123,869
December	30,274	228	139	42,652	349	34,935	1,787	939	16,102	-71	580	127,913
Year 2015												
January	34,848	683	129	47,672	376	34,893	1,686	1,116	16,475	-92	580	138,366
February	33,498	2,986	132	41,046	313	29,984	1,251	1,498	15,950	-69	489	127,078
March	26,960	307	141	46,179	299	31,218	1,879	2,046	16,263	-92	520	125,722
April	20,208	170	140	43,198	242	28,705	2,238	2,345	18,448	-62	540	116,171
May	23,020	252	145	48,032	292	30,743	1,500	2,373	18,217	-78	570	125,066
June	29,743	204	139	56,627	285	33,396	1,769	2,479	15,256	-98	578	140,376
July	32,608	292	140	68,035	317	34,357	2,013	2,518	15,589	-101	604	156,372
August	32,367	242	143	67,303	330	33,933	1,405	2,592	14,928	-113	609	153,740
Sept	29,622	275	140	58,916	325	31,432	1,078	2,158	15,052	-67	547	139,478
Year to Date												
2013	288,166	2,803	1,337	404,158	2,618	285,406	17,346	5,477	134,678	-665	5,056	1,146,380
2014	307,042	6,084	1,132	402,179	2,275	281,397	15,718	12,332	145,539	-772	4,965	1,177,890
2015	262,874	5,411	1,250	477,008	2,778	288,663	14,820	19,124	146,177	-772	5,036	1,222,369
Rolling 12 Months Ending in September												
2014	398,147	7,042	1,576	525,542	3,181	378,893	20,390	14,637	192,124	-1,014	6,650	1,547,167
2015	351,533	6,116	1,528	606,587	3,750	384,561	18,963	22,879	197,362	-1,030	6,761	1,599,009

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
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Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.2.C. Net Generation by Energy Source: Commercial Sector, 2005-September 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2005	1,353	368	7	4,249	0	0	86	0	1,673	0	756	8,492	N/A	N/A	N/A
2006	1,310	228	7	4,355	0	0	93	0	1,619	0	758	8,371	N/A	N/A	N/A
2007	1,371	180	9	4,257	0	0	77	0	1,614	0	764	8,273	N/A	N/A	N/A
2008	1,261	136	6	4,188	0	0	60	0	1,555	0	720	7,926	N/A	N/A	N/A
2009	1,096	157	5	4,225	0	0	71	0	1,769	0	842	8,165	N/A	N/A	N/A
2010	1,111	117	7	4,725	3	0	80	5	1,709	0	834	8,592	N/A	N/A	N/A
2011	1,049	86	3	5,487	3	0	26	84	2,392	0	950	10,080	N/A	N/A	N/A
2012	883	191	6	6,603	0	0	28	148	2,397	0	1,046	11,301	N/A	N/A	N/A
2013	839	118	5	7,154	0	0	44	294	2,662	0	1,118	12,234	N/A	N/A	N/A
2014	595	247	9	7,227	0	0	38	371	2,862	0	1,171	12,520	4,349	4,720	4,720
Year 2013															
January	89	19	1	562	0	0	4	9	212	0	85	981	N/A	N/A	N/A
February	81	14	1	512	0	0	4	15	187	0	74	888	N/A	N/A	N/A
March	78	7	1	574	0	0	4	22	220	0	90	995	N/A	N/A	N/A
April	63	7	0	541	0	0	4	25	210	0	95	946	N/A	N/A	N/A
May	69	8	0	546	0	0	5	27	229	0	97	981	N/A	N/A	N/A
June	75	7	0	593	0	0	5	30	223	0	93	1,026	N/A	N/A	N/A
July	76	13	0	779	0	0	5	28	235	0	100	1,236	N/A	N/A	N/A
August	71	7	1	697	0	0	4	29	238	0	101	1,147	N/A	N/A	N/A
Sept	60	6	1	652	0	0	3	30	222	0	99	1,073	N/A	N/A	N/A
October	49	7	1	550	0	0	2	32	226	0	96	961	N/A	N/A	N/A
November	60	8	0	525	0	0	2	24	223	0	92	936	N/A	N/A	N/A
December	68	16	1	623	0	0	3	23	236	0	95	1,064	N/A	N/A	N/A
Year 2014															
January	76	102	1	651	0	0	4	16	264	0	104	1,218	253	269	269
February	79	37	1	533	0	0	3	20	216	0	71	961	271	292	292
March	66	30	1	529	0	0	4	29	230	0	84	972	364	394	394
April	47	9	1	509	0	0	4	33	229	0	96	927	394	427	427
May	39	8	0	557	0	0	4	38	238	0	102	986	433	471	471
June	42	8	0	605	0	0	3	39	245	0	99	1,041	431	470	470
July	50	9	0	701	0	0	3	38	263	0	109	1,173	447	485	485
August	42	7	1	722	0	0	3	39	256	0	110	1,181	440	479	479
Sept	36	8	1	657	0	0	3	35	243	0	104	1,086	396	432	432
October	31	9	1	601	0	0	2	36	230	0	97	1,008	355	390	390
November	44	9	1	560	0	0	2	28	218	0	98	960	287	314	314
December	45	10	1	602	0	0	2	20	230	0	97	1,007	278	298	298
Year 2015															
January	53	26	1	619	0	0	NM	23	244	0	92	1,062	286	310	310
February	59	79	1	533	0	0	NM	32	215	0	83	1,005	312	344	344
March	51	12	1	616	0	0	NM	46	243	0	95	1,067	420	466	466
April	33	8	1	539	0	0	NM	54	227	0	101	967	463	516	516
May	35	11	0	655	0	0	NM	55	236	0	104	1,099	505	560	560
June	42	NM	0	652	0	0	NM	60	229	0	103	1,100	505	565	565
July	44	13	0	719	0	0	NM	58	248	0	109	1,195	528	586	586
August	35	12	1	732	0	0	NM	60	231	0	109	1,183	510	569	569
Sept	32	9	1	675	0	0	NM	50	233	0	110	1,112	457	507	507
Year to Date															
2013	662	88	4	5,456	0	0	37	215	1,976	0	835	9,273	N/A	N/A	N/A
2014	475	218	6	5,464	0	0	32	287	2,184	0	879	9,545	3,430	3,717	3,717
2015	384	180	6	5,740	0	0	NM	437	2,106	0	906	9,789	3,986	4,423	4,423
Rolling 12 Months Ending in September															
2014	652	249	7	7,162	0	0	38	366	2,869	0	1,161	12,506	N/A	N/A	N/A
2015	504	NM	9	7,503	0	0	NM	521	2,784	0	1,199	12,764	4,906	5,426	5,426

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.D. Net Generation by Energy Source: Industrial Sector, 2005-September 2015
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Distributed Generation	Net Generation From Utility Scale Facilities and Distributed Generation	
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Distributed Solar Photovoltaic Generation	Estimated Total Solar Photovoltaic Generation	Estimated Total Solar Generation
Annual Totals															
2005	19,466	3,804	1,564	72,882	9,687	0	3,195	0	29,003	0	5,137	144,739	N/A	N/A	N/A
2006	19,464	2,567	1,656	77,669	9,923	0	2,899	0	28,972	0	5,103	148,254	N/A	N/A	N/A
2007	16,694	2,355	1,889	77,580	9,411	0	1,590	0	28,919	0	4,690	143,128	N/A	N/A	N/A
2008	15,703	1,555	1,664	76,421	8,507	0	1,676	0	27,462	0	4,125	137,113	N/A	N/A	N/A
2009	13,686	1,474	1,489	75,748	7,574	0	1,868	0	26,033	0	4,457	132,329	N/A	N/A	N/A
2010	18,441	844	1,414	81,583	8,343	0	1,668	2	26,574	0	5,214	144,082	N/A	N/A	N/A
2011	14,490	657	1,234	81,911	8,624	0	1,799	7	27,612	0	5,541	141,875	N/A	N/A	N/A
2012	12,603	563	2,359	86,500	8,913	0	2,353	14	27,693	0	5,108	146,107	N/A	N/A	N/A
2013	12,554	495	2,036	88,733	8,531	0	3,463	17	29,074	0	5,113	150,015	N/A	N/A	N/A
2014	12,341	544	1,389	86,209	8,664	0	1,282	16	28,659	0	4,978	144,083	943	960	960
Year 2013															
January	1,064	61	192	7,608	759	0	324	1	2,493	0	423	12,924	N/A	N/A	N/A
February	983	47	118	6,801	644	0	363	1	2,284	0	402	11,642	N/A	N/A	N/A
March	1,086	42	169	7,387	752	0	302	1	2,411	0	425	12,576	N/A	N/A	N/A
April	986	37	173	6,869	698	0	250	2	2,208	0	358	11,580	N/A	N/A	N/A
May	1,063	46	209	7,025	721	0	328	2	2,366	0	387	12,147	N/A	N/A	N/A
June	1,048	36	201	7,351	699	0	328	2	2,444	0	402	12,511	N/A	N/A	N/A
July	1,138	36	211	8,033	767	0	320	2	2,561	0	434	13,502	N/A	N/A	N/A
August	1,066	36	208	7,856	767	0	240	2	2,551	0	468	13,195	N/A	N/A	N/A
Sept	1,004	33	175	7,218	714	0	239	2	2,373	0	473	12,230	N/A	N/A	N/A
October	1,005	37	166	7,165	667	0	239	2	2,421	0	481	12,182	N/A	N/A	N/A
November	1,022	37	98	7,395	694	0	206	1	2,421	0	442	12,317	N/A	N/A	N/A
December	1,089	47	118	8,025	650	0	322	1	2,540	0	417	13,210	N/A	N/A	N/A
Year 2014															
January	1,105	85	100	7,441	667	0	120	1	2,466	0	408	12,391	51	52	52
February	998	61	86	6,680	606	0	104	1	2,212	0	363	11,112	54	55	55
March	1,087	56	103	7,105	651	0	114	1	2,439	0	382	11,937	77	78	78
April	955	32	128	6,690	624	0	127	2	2,319	0	375	11,251	84	85	85
May	1,009	40	126	6,918	662	0	130	2	2,385	0	397	11,667	92	94	94
June	1,065	37	130	6,960	711	0	100	2	2,409	0	400	11,814	93	95	95
July	1,105	37	129	7,685	786	0	89	2	2,549	0	408	12,790	97	99	99
August	1,081	35	134	7,716	820	0	96	2	2,496	0	476	12,856	96	98	98
Sept	1,013	39	123	7,234	828	0	86	2	2,275	0	444	12,044	88	89	89
October	942	39	101	7,028	748	0	93	1	2,303	0	411	11,667	83	84	84
November	966	42	108	7,083	772	0	99	1	2,297	0	429	11,797	67	68	68
December	1,015	42	121	7,670	790	0	125	1	2,510	0	484	12,757	61	62	62
Year 2015															
January	991	59	98	7,701	867	0	130	NM	2,572	0	363	12,781	66	NM	NM
February	954	79	107	6,606	726	0	113	NM	2,260	0	314	11,162	70	NM	NM
March	1,007	59	84	6,689	724	0	142	2	2,335	0	353	11,394	99	101	101
April	797	36	99	6,365	660	0	136	3	2,302	0	387	10,785	107	110	110
May	912	45	86	6,867	687	0	114	NM	2,285	0	415	11,412	119	NM	NM
June	1,018	43	70	7,213	794	0	99	NM	2,359	0	424	12,023	118	NM	NM
July	1,082	36	104	7,668	956	0	113	NM	2,560	0	448	12,970	123	NM	NM
August	1,108	37	100	7,670	865	0	79	3	2,463	0	461	12,787	120	123	123
Sept	1,015	37	99	7,278	870	0	61	2	2,349	0	413	12,123	110	112	112
Year to Date															
2013	9,438	373	1,655	66,148	6,520	0	2,696	13	21,692	0	3,773	112,307	N/A	N/A	N/A
2014	9,418	421	1,059	64,428	6,354	0	965	13	21,549	0	3,654	107,862	732	745	745
2015	8,884	431	848	64,057	7,149	0	987	19	21,485	0	3,577	107,438	932	951	951
Rolling 12 Months Ending in September															
2014	12,534	543	1,440	87,013	8,366	0	1,732	17	28,932	0	4,994	145,570	N/A	N/A	N/A
2015	11,807	554	1,179	85,838	9,458	0	1,305	NM	28,594	0	4,902	143,660	1,143	NM	NM

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
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Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.E. Net Generation by Energy Source: Residential Sector, 2005-September 2015
(Thousand Megawatthours)

	Distributed Generation
Period	**Estimated Distributed Solar Photovoltaic Generation**
Annual Totals	
2014	4,243
Year 2014	
January	226
February	238
March	328
April	361
May	402
June	410
July	431
August	431
Sept	404
October	382
November	319
December	311
Year 2015	
January	291
February	322
March	461
April	524
May	578
June	595
July	625
August	631
Sept	570
Year to Date	
2014	3,231
2015	4,597
Rolling 12 Months Ending in September	
2014	N/A
2015	5,609

See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources:
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.3.A. Utility Scale Facility Net Generation
by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	9,300	9,170	1.4%	180	148	8,760	8,598	117	110	243	314
Connecticut	3,160	2,800	12.9%	NM	4	3,078	2,723	37	35	42	38
Maine	893	900	-0.8%	NM	0	688	622	21	18	184	260
Massachusetts	2,998	2,668	12.4%	68	50	2,867	2,557	49	48	NM	12
New Hampshire	1,628	1,567	3.9%	59	46	1,560	1,512	NM	4	NM	3
Rhode Island	495	733	-32.5%	1	0	489	728	NM	NM	0	0
Vermont	125	502	-75.0%	48	48	77	454	NM	0	0	0
Middle Atlantic	37,067	34,291	8.1%	3,077	2,777	33,396	30,922	203	188	391	405
New Jersey	7,008	5,836	20.1%	-1	-7	6,891	5,729	59	56	59	58
New York	12,005	11,135	7.8%	3,071	2,781	8,755	8,186	109	94	71	74
Pennsylvania	18,054	17,320	4.2%	NM	3	17,751	17,007	35	38	262	273
East North Central	50,114	48,649	3.0%	22,938	22,346	26,083	25,297	202	168	890	837
Illinois	15,882	15,943	-0.4%	901	830	14,692	14,847	44	42	245	224
Indiana	8,384	8,645	-3.0%	7,317	7,520	736	827	26	20	305	278
Michigan	9,044	8,449	7.0%	6,944	6,664	1,864	1,584	110	90	126	111
Ohio	11,033	10,706	3.1%	3,215	3,608	7,735	7,021	NM	6	75	70
Wisconsin	5,772	4,906	17.7%	4,562	3,723	1,056	1,019	NM	10	139	154
West North Central	28,155	25,910	8.7%	24,141	22,434	3,607	3,093	52	45	356	338
Iowa	4,657	4,155	12.1%	3,520	3,111	946	847	NM	18	174	179
Kansas	4,202	3,986	5.4%	3,273	3,211	918	773	0	0	NM	2
Minnesota	4,849	4,190	15.7%	3,892	3,425	812	638	NM	10	125	116
Missouri	7,154	6,485	10.3%	6,922	6,295	217	171	14	16	NM	3
Nebraska	3,416	3,239	5.5%	3,132	3,004	254	205	NM	1	29	30
North Dakota	2,957	2,793	5.9%	2,639	2,457	304	328	NM	0	NM	8
South Dakota	920	1,062	-13.4%	763	932	156	131	NM	0	0	0
South Atlantic	67,190	65,228	3.0%	55,528	54,337	10,033	9,334	114	108	1,516	1,449
Delaware	785	791	-0.7%	NM	4	646	662	NM	0	133	124
District of Columbia	NM	6	NM	0	0	0	0	NM	6	0	0
Florida	21,039	20,466	2.8%	19,487	18,859	1,104	1,181	NM	6	442	420
Georgia	10,663	10,438	2.2%	8,557	8,810	1,727	1,281	3	2	376	345
Maryland	2,946	2,893	1.8%	2	1	2,883	2,827	38	39	23	26
North Carolina	10,157	10,068	0.9%	9,346	9,295	656	620	18	18	137	135
South Carolina	8,220	8,218	0.0%	7,866	7,919	202	144	NM	0	151	155
Virginia	7,361	5,752	28.0%	5,921	4,494	1,211	1,066	41	37	188	155
West Virginia	6,013	6,595	-8.8%	4,343	4,954	1,603	1,553	0	0	67	88
East South Central	31,114	31,254	-0.4%	26,058	26,978	4,318	3,631	NM	12	724	632
Alabama	12,993	12,468	4.2%	9,104	8,979	3,542	3,194	0	0	347	294
Kentucky	6,724	6,941	-3.1%	6,584	6,931	105	1	0	0	35	9
Mississippi	5,228	4,863	7.5%	4,412	4,286	653	423	NM	2	161	153
Tennessee	6,169	6,982	-11.6%	5,958	6,782	17	13	NM	10	181	176
West South Central	61,835	59,263	4.3%	22,482	22,048	33,026	31,032	89	85	6,237	6,099
Arkansas	4,822	5,092	-5.3%	3,740	3,841	950	1,125	NM	0	131	126
Louisiana	9,440	9,208	2.5%	6,093	5,590	718	1,062	NM	16	2,613	2,540
Oklahoma	6,274	5,613	11.8%	3,741	3,832	2,450	1,712	NM	0	82	68
Texas	41,300	39,351	5.0%	8,909	8,785	28,909	27,132	72	69	3,410	3,365
Mountain	33,011	33,044	-0.1%	26,126	25,985	6,515	6,699	41	49	328	311
Arizona	11,269	11,162	1.0%	9,137	8,886	2,120	2,256	12	20	0	0
Colorado	4,445	4,376	1.6%	3,697	3,572	740	796	NM	2	NM	5
Idaho	1,182	1,144	3.3%	721	665	415	429	0	1	45	50
Montana	2,301	2,448	-6.0%	627	718	1,673	1,729	0	0	NM	2
Nevada	3,610	3,427	5.4%	2,912	2,701	664	690	13	10	21	26
New Mexico	2,683	2,668	0.6%	2,152	2,204	518	444	8	9	NM	11
Utah	3,685	3,797	-2.9%	3,372	3,513	183	159	NM	8	124	118
Wyoming	3,835	4,022	-4.7%	3,506	3,726	202	197	0	0	127	99
Pacific Contiguous	31,870	31,706	0.5%	16,861	16,366	13,380	13,458	234	274	1,395	1,608
California	19,164	19,258	-0.5%	6,948	6,841	10,765	10,727	221	260	1,230	1,431
Oregon	4,739	4,637	2.2%	3,231	3,120	1,450	1,442	NM	11	49	63
Washington	7,966	7,811	2.0%	6,683	6,404	1,165	1,289	NM	3	115	114
Pacific Noncontiguous	1,330	1,372	-3.1%	881	972	359	303	47	46	42	51
Alaska	450	460	-2.1%	408	425	19	13	13	14	NM	8
Hawaii	879	912	-3.6%	474	547	341	290	34	32	31	43
U.S. Total	350,986	339,887	3.3%	198,272	194,390	139,478	132,366	1,112	1,086	12,123	12,044

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.3.B. Utility Scale Facility Net Generation

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	86,274	85,434	1.0%	2,781	2,936	79,958	78,354	1,084	1,065	2,451	3,079
Connecticut	28,711	25,824	11.2%	NM	44	27,992	25,093	329	331	357	356
Maine	8,951	10,295	-13.1%	NM	1	6,839	7,559	172	156	1,939	2,580
Massachusetts	25,162	24,489	2.7%	589	563	23,971	23,339	470	466	131	121
New Hampshire	16,455	14,482	13.6%	1,488	1,674	14,889	12,731	55	55	NM	22
Rhode Island	5,474	4,929	11.1%	10	10	5,410	4,865	55	53	0	0
Vermont	1,521	5,415	-71.9%	661	644	857	4,768	NM	3	0	0
Middle Atlantic	329,481	321,648	2.4%	26,580	25,764	297,699	290,699	1,806	1,670	3,396	3,515
New Jersey	56,775	50,930	11.5%	6	-74	55,788	50,034	521	454	460	518
New York	105,999	103,319	2.6%	26,501	25,763	77,843	75,946	966	893	688	717
Pennsylvania	166,707	167,399	-0.4%	72	75	164,069	164,720	318	323	2,248	2,281
East North Central	463,628	470,985	-1.6%	211,325	219,984	242,951	241,994	1,652	1,533	7,700	7,474
Illinois	147,549	150,707	-2.1%	7,657	7,858	137,415	140,314	416	398	2,061	2,137
Indiana	80,700	88,753	-9.1%	69,301	78,356	8,728	7,994	186	167	2,485	2,237
Michigan	87,147	81,025	7.6%	64,876	64,383	20,336	14,932	823	734	1,112	976
Ohio	96,848	103,859	-6.8%	29,130	33,252	66,980	69,853	85	95	652	659
Wisconsin	51,385	46,641	10.2%	40,362	36,136	9,491	8,902	143	138	1,389	1,465
West North Central	252,484	255,413	-1.1%	217,230	220,952	31,558	30,950	486	483	3,211	3,028
Iowa	44,141	42,315	4.3%	33,340	31,481	9,013	9,091	170	169	1,618	1,575
Kansas	35,208	37,756	-6.7%	27,955	30,208	7,173	7,514	0	0	80	35
Minnesota	43,230	42,321	2.1%	34,839	34,351	7,142	6,781	173	167	1,076	1,022
Missouri	65,034	68,351	-4.9%	62,957	66,555	1,920	1,624	131	134	25	39
Nebraska	29,662	29,824	-0.5%	27,247	27,909	2,121	1,633	12	13	283	270
North Dakota	27,953	26,914	3.9%	24,952	23,710	2,873	3,116	NM	0	129	88
South Dakota	7,256	7,932	-8.5%	5,941	6,739	1,315	1,193	NM	0	0	0
South Atlantic	617,452	604,297	2.2%	515,850	508,737	86,803	81,015	1,036	990	13,763	13,556
Delaware	6,403	5,894	8.6%	NM	38	5,397	5,213	5	5	954	638
District of Columbia	53	52	1.5%	0	0	0	0	53	52	0	0
Florida	181,810	177,048	2.7%	167,821	162,985	9,983	10,196	48	51	3,958	3,816
Georgia	100,993	97,505	3.6%	83,831	85,519	13,602	8,480	25	24	3,535	3,482
Maryland	28,929	29,731	-2.7%	19	18	28,325	29,113	367	330	218	269
North Carolina	100,972	98,927	2.1%	93,357	92,338	6,246	5,012	185	167	1,185	1,410
South Carolina	74,944	73,955	1.3%	72,036	71,207	1,576	1,256	NM	5	1,325	1,487
Virginia	65,981	59,399	11.1%	53,113	47,861	10,793	9,553	347	356	1,729	1,629
West Virginia	57,367	61,786	-7.2%	45,626	48,770	10,882	12,192	0	0	860	824
East South Central	291,985	285,828	2.2%	246,470	250,248	38,640	29,029	115	120	6,760	6,431
Alabama	116,520	113,558	2.6%	82,557	86,715	30,696	23,927	0	0	3,267	2,916
Kentucky	64,799	69,100	-6.2%	63,784	68,483	557	153	0	0	458	464
Mississippi	50,436	41,809	20.6%	41,827	35,588	7,208	4,828	NM	16	1,386	1,377
Tennessee	60,230	61,362	-1.8%	58,303	59,462	180	121	99	104	1,648	1,674
West South Central	533,401	518,056	3.0%	191,211	195,350	286,389	267,243	743	706	55,060	54,757
Arkansas	45,564	47,514	-4.1%	32,040	37,186	12,164	9,025	NM	6	1,354	1,297
Louisiana	81,857	79,629	2.8%	50,774	44,590	8,531	11,645	140	145	22,412	23,248
Oklahoma	58,099	54,514	6.6%	37,741	37,489	19,695	16,397	NM	0	655	628
Texas	347,881	336,399	3.4%	70,655	76,085	245,999	230,175	588	555	30,639	29,584
Mountain	282,464	284,027	-0.6%	225,920	229,020	53,703	52,071	367	369	2,474	2,566
Arizona	86,849	86,528	0.4%	71,952	72,629	14,789	13,776	108	123	0	0
Colorado	39,457	40,895	-3.5%	31,850	33,296	7,528	7,523	30	21	49	54
Idaho	11,732	12,367	-5.1%	7,826	8,150	3,541	3,788	0	3	364	426
Montana	22,151	22,252	-0.5%	8,465	9,623	13,672	12,613	0	0	14	16
Nevada	29,306	27,443	6.8%	23,091	21,283	5,937	5,911	101	71	177	179
New Mexico	24,381	24,685	-1.2%	19,462	19,954	4,817	4,627	73	88	29	15
Utah	31,920	32,730	-2.5%	29,654	30,303	1,469	1,493	55	63	741	872
Wyoming	36,668	37,126	-1.2%	33,619	33,783	1,950	2,339	0	0	1,099	1,004
Pacific Contiguous	277,425	285,867	-3.0%	161,394	167,126	101,713	103,509	2,091	2,195	12,226	13,038
California	150,977	151,440	-0.3%	55,613	54,674	82,699	83,222	1,984	2,105	10,680	11,438
Oregon	43,536	45,015	-3.3%	31,534	33,486	11,443	10,945	81	68	478	516
Washington	82,912	89,412	-7.3%	74,246	78,965	7,572	9,342	26	22	1,068	1,084
Pacific Noncontiguous	11,917	12,077	-1.3%	8,154	8,218	2,956	3,026	408	414	398	418
Alaska	4,537	4,457	1.8%	4,139	4,064	181	181	120	126	97	86
Hawaii	7,380	7,620	-3.2%	4,015	4,154	2,776	2,846	288	289	301	332
U.S. Total	3,146,512	3,123,632	0.7%	1,806,915	1,828,336	1,222,369	1,177,890	9,789	9,545	107,438	107,862

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

Table 1.4.A. Utility Scale Facility Net Generation from Coal by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	84	57	47.0%	25	11	56	44	0	0	3	1
Connecticut	0	-2	-108.0%	0	0	0	-2	0	0	0	0
Maine	5	1	206.7%	0	0	4	0	0	0	1	1
Massachusetts	54	46	17.5%	0	0	52	46	0	0	NM	0
New Hampshire	25	11	122.6%	25	11	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	5,827	5,304	9.9%	0	0	5,763	5,234	NM	1	65	68
New Jersey	105	121	-13.4%	0	0	105	121	0	0	0	0
New York	143	194	-26.2%	0	0	118	168	0	0	25	26
Pennsylvania	5,580	4,989	11.8%	0	0	5,540	4,946	NM	1	39	42
East North Central	27,398	27,904	-1.8%	17,389	17,953	9,776	9,714	11	8	221	230
Illinois	6,239	6,546	-4.7%	760	796	5,334	5,611	NM	0	144	140
Indiana	6,633	7,503	-11.6%	6,199	7,017	429	480	4	4	NM	2
Michigan	4,455	4,253	4.8%	4,419	4,206	23	30	6	3	8	14
Ohio	6,687	6,634	0.8%	2,682	3,024	3,990	3,594	NM	NM	14	16
Wisconsin	3,384	2,969	14.0%	3,329	2,910	0	0	NM	0	54	59
West North Central	16,855	16,228	3.9%	16,596	15,963	NM	2	8	16	248	247
Iowa	2,578	2,559	0.8%	2,418	2,390	0	0	7	11	153	158
Kansas	2,192	2,167	1.1%	2,192	2,167	0	0	0	0	0	0
Minnesota	1,852	2,024	-8.5%	1,794	1,973	0	0	NM	0	58	51
Missouri	5,689	5,160	10.3%	5,685	5,150	NM	2	0	5	NM	2
Nebraska	2,099	2,049	2.4%	2,070	2,020	0	0	0	0	29	30
North Dakota	2,249	2,072	8.5%	2,243	2,067	0	0	0	0	6	5
South Dakota	195	197	-1.0%	195	197	0	0	0	0	0	0
South Atlantic	20,565	22,817	-9.9%	17,597	19,657	2,776	2,974	NM	2	187	185
Delaware	31	60	-48.5%	0	0	31	60	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,016	4,311	-6.9%	3,841	4,113	149	177	0	0	NM	22
Georgia	3,334	3,605	-7.5%	3,317	3,576	0	0	0	0	NM	29
Maryland	1,087	1,276	-14.8%	0	0	1,078	1,267	NM	0	9	10
North Carolina	3,123	3,460	-9.7%	3,001	3,422	92	14	2	0	NM	24
South Carolina	1,819	2,321	-21.6%	1,804	2,312	0	0	0	0	14	9
Virginia	1,450	1,413	2.7%	1,333	1,312	74	67	NM	2	41	32
West Virginia	5,704	6,372	-10.5%	4,301	4,923	1,352	1,389	0	0	51	59
East South Central	13,218	14,645	-9.7%	12,828	14,436	297	113	0	0	92	96
Alabama	4,101	3,887	5.5%	4,090	3,879	0	0	0	0	NM	8
Kentucky	5,843	6,531	-10.5%	5,843	6,531	0	0	0	0	0	0
Mississippi	513	931	-44.9%	215	818	297	113	0	0	0	0
Tennessee	2,760	3,296	-16.3%	2,679	3,209	0	0	0	0	81	87
West South Central	17,931	20,885	-14.1%	9,333	11,095	8,548	9,755	0	0	51	35
Arkansas	2,230	2,762	-19.3%	1,849	2,292	375	466	0	0	6	4
Louisiana	1,360	2,041	-33.4%	1,014	1,200	346	842	0	0	0	0
Oklahoma	2,171	2,636	-17.6%	1,895	2,425	231	179	0	0	45	32
Texas	12,171	13,445	-9.5%	4,575	5,178	7,596	8,268	0	0	0	0
Mountain	15,423	16,844	-8.4%	13,664	14,947	1,643	1,781	0	0	115	116
Arizona	3,272	3,899	-16.1%	3,272	3,899	0	0	0	0	0	0
Colorado	2,567	2,588	-0.8%	2,557	2,579	NM	8	0	0	NM	1
Idaho	6	8	-26.8%	0	0	0	0	0	0	6	8
Montana	1,487	1,591	-6.6%	NM	27	1,462	1,563	0	0	NM	1
Nevada	286	439	-35.0%	207	329	79	110	0	0	0	0
New Mexico	1,642	1,759	-6.7%	1,642	1,759	0	0	0	0	0	0
Utah	2,770	2,913	-4.9%	2,662	2,800	NM	37	0	0	74	76
Wyoming	3,394	3,647	-6.9%	3,301	3,554	NM	62	0	0	35	31
Pacific Contiguous	1,002	1,264	-20.7%	354	405	620	826	0	0	28	32
California	32	109	-70.6%	0	0	NM	82	0	0	25	27
Oregon	354	405	-12.7%	354	405	0	0	0	0	0	0
Washington	616	749	-17.8%	0	0	613	745	0	0	3	4
Pacific Noncontiguous	187	163	14.7%	35	15	140	137	8	9	NM	2
Alaska	58	34	73.2%	35	15	16	9	8	9	0	0
Hawaii	129	130	-0.4%	0	0	124	127	0	0	NM	2
U.S. Total	118,489	126,110	-6.0%	87,820	94,482	29,622	30,580	32	36	1,015	1,013

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.4.B. Utility Scale Facility Net Generation from Coal

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	3,318	4,184	-20.7%	894	1,063	2,379	3,079	0	0	44	42
Connecticut	597	706	-15.4%	0	0	597	706	0	0	0	0
Maine	74	63	16.8%	0	0	49	41	0	0	24	23
Massachusetts	1,753	2,352	-25.5%	0	0	1,733	2,333	0	0	20	19
New Hampshire	894	1,063	-15.9%	894	1,063	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	57,461	68,254	-15.8%	0	0	56,861	67,599	NM	13	594	642
New Jersey	1,464	2,162	-32.3%	0	0	1,464	2,162	0	0	0	0
New York	2,108	4,085	-48.4%	0	0	1,873	3,853	0	0	234	233
Pennsylvania	53,890	62,007	-13.1%	0	0	53,525	61,585	NM	13	359	409
East North Central	249,628	281,193	-11.2%	157,343	176,395	90,112	102,335	122	158	2,051	2,305
Illinois	58,893	65,292	-9.8%	7,038	7,460	50,587	56,494	30	25	1,238	1,314
Indiana	62,125	75,960	-18.2%	58,055	71,931	4,024	3,961	33	53	13	15
Michigan	40,679	40,975	-0.7%	40,239	40,489	299	275	57	78	84	133
Ohio	58,924	69,733	-15.5%	23,573	27,948	35,202	41,604	NM	NM	148	179
Wisconsin	29,008	29,232	-0.8%	28,438	28,566	0	0	NM	1	569	665
West North Central	156,114	164,996	-5.4%	153,613	162,537	22	24	122	174	2,357	2,260
Iowa	24,993	25,121	-0.5%	23,480	23,611	0	0	80	110	1,432	1,400
Kansas	20,149	22,446	-10.2%	20,149	22,446	0	0	0	0	0	0
Minnesota	19,277	20,492	-5.9%	18,716	19,967	0	0	NM	8	560	517
Missouri	51,072	55,867	-8.6%	50,989	55,754	22	24	41	56	21	33
Nebraska	18,556	18,856	-1.6%	18,275	18,586	0	0	0	0	281	269
North Dakota	21,143	20,165	4.8%	21,080	20,124	0	0	0	0	63	40
South Dakota	924	2,049	-54.9%	924	2,049	0	0	0	0	0	0
South Atlantic	200,403	230,547	-13.1%	174,928	199,629	23,883	29,081	58	39	1,534	1,797
Delaware	576	859	-32.9%	0	0	576	859	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	33,727	39,709	-15.1%	32,524	38,276	1,007	1,234	0	0	196	199
Georgia	32,361	38,186	-15.3%	32,173	37,831	0	0	0	0	189	355
Maryland	12,059	14,504	-16.9%	0	0	11,965	14,377	NM	2	93	124
North Carolina	34,974	39,249	-10.9%	34,086	38,193	664	808	43	20	181	228
South Carolina	18,771	22,850	-17.9%	18,644	22,716	0	0	0	0	127	133
Virginia	13,633	15,910	-14.3%	12,380	14,396	914	1,147	NM	17	325	350
West Virginia	54,301	59,280	-8.4%	45,122	48,216	8,757	10,655	0	0	422	408
East South Central	123,110	140,314	-12.3%	119,763	137,252	2,474	2,120	0	9	873	932
Alabama	33,377	37,887	-11.9%	33,269	37,783	0	0	0	0	108	104
Kentucky	57,867	63,477	-8.8%	57,867	63,477	0	0	0	0	0	0
Mississippi	5,699	9,112	-37.5%	3,225	6,992	2,474	2,120	0	0	0	0
Tennessee	26,167	29,837	-12.3%	25,403	29,000	0	0	0	9	764	828
West South Central	146,501	181,151	-19.1%	76,504	97,269	69,653	83,546	0	0	344	337
Arkansas	18,051	25,971	-30.5%	14,709	23,159	3,300	2,767	0	0	42	44
Louisiana	12,230	15,255	-19.8%	7,040	6,351	5,190	8,904	0	0	0	0
Oklahoma	19,919	23,500	-15.2%	18,328	21,804	1,290	1,403	0	0	302	292
Texas	96,300	116,426	-17.3%	36,427	45,954	59,872	70,472	0	0	0	0
Mountain	138,313	146,817	-5.8%	124,372	133,183	13,165	12,821	0	0	776	814
Arizona	27,761	32,367	-14.2%	27,761	32,367	0	0	0	0	0	0
Colorado	24,482	25,227	-3.0%	24,418	25,147	NM	74	0	0	NM	6
Idaho	54	53	2.0%	0	0	0	0	0	0	54	53
Montana	11,890	11,050	7.6%	218	224	11,667	10,821	0	0	NM	6
Nevada	2,092	5,403	-61.3%	1,464	4,341	628	1,062	0	0	0	0
New Mexico	15,141	15,362	-1.4%	15,141	15,362	0	0	0	0	0	0
Utah	24,360	24,845	-1.9%	23,702	24,124	273	317	0	0	385	404
Wyoming	32,533	32,510	0.1%	31,668	31,618	537	547	0	0	327	344
Pacific Contiguous	4,823	7,657	-37.0%	1,349	2,191	3,195	5,210	0	0	279	256
California	303	699	-56.7%	0	0	NM	476	0	0	252	224
Oregon	1,349	2,191	-38.4%	1,349	2,191	0	0	0	0	0	0
Washington	3,171	4,767	-33.5%	0	0	3,145	4,734	0	0	27	32
Pacific Noncontiguous	1,468	1,555	-5.6%	231	214	1,129	1,226	76	81	NM	33
Alaska	452	437	3.4%	231	214	145	141	76	81	0	0
Hawaii	1,016	1,118	-9.1%	0	0	984	1,085	0	0	NM	33
U.S. Total	1,081,138	1,226,667	-11.9%	808,997	909,732	262,874	307,042	384	475	8,884	9,418

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

Table 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	61	9	554.1%	6	2	50	4	NM	NM	NM	1
Connecticut	16	4	343.0%	1	0	15	3	NM	0	NM	0
Maine	13	1	NM	NM	0	12	0	NM	0	NM	0
Massachusetts	29	4	611.0%	4	2	23	1	NM	NM	NM	0
New Hampshire	NM	0	NM	NM	0	NM	0	NM	0	NM	0
Rhode Island	NM	NM	NM	1	0	0	0	NM	NM	0	0
Vermont	NM	0	NM	NM	0	0	0	NM	0	0	0
Middle Atlantic	61	35	76.5%	13	4	45	23	NM	2	NM	6
New Jersey	NM	1	NM	NM	NM	NM	1	NM	0	NM	0
New York	42	16	155.6%	NM	4	26	5	NM	2	NM	6
Pennsylvania	17	17	-2.7%	NM	0	16	17	NM	0	NM	0
East North Central	39	36	8.6%	26	27	11	8	NM	NM	1	1
Illinois	6	7	-10.9%	1	3	5	4	NM	0	NM	0
Indiana	10	9	8.5%	9	9	NM	0	NM	0	1	1
Michigan	8	8	0.1%	8	8	0	0	NM	0	NM	0
Ohio	11	10	15.1%	5	6	6	4	NM	0	NM	0
Wisconsin	3	1	146.8%	2	1	NM	0	NM	NM	NM	0
West North Central	31	19	61.6%	30	19	NM	0	NM	0	NM	0
Iowa	3	3	14.0%	3	3	NM	0	NM	0	NM	0
Kansas	3	4	-12.1%	3	4	0	0	0	0	0	0
Minnesota	NM	1	NM	3	1	NM	0	NM	0	NM	0
Missouri	16	5	192.4%	16	5	0	0	NM	0	0	0
Nebraska	NM	2	NM	NM	2	0	0	0	0	0	0
North Dakota	3	4	-36.3%	3	4	0	0	NM	0	NM	0
South Dakota	NM	1	NM	NM	1	NM	0	NM	0	0	0
South Atlantic	100	67	48.7%	60	44	26	16	NM	3	14	4
Delaware	2	1	163.7%	NM	0	2	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	35	10	248.8%	34	9	NM	0	0	0	NM	1
Georgia	2	9	-75.1%	1	2	NM	5	0	0	NM	2
Maryland	13	7	83.4%	1	0	11	5	NM	2	NM	0
North Carolina	14	7	86.3%	13	7	NM	0	NM	0	NM	0
South Carolina	4	5	-34.6%	3	4	NM	1	NM	0	0	0
Virginia	24	18	36.4%	2	13	12	4	NM	0	10	0
West Virginia	5	9	-39.9%	5	9	0	0	0	0	0	0
East South Central	25	38	-34.4%	23	36	0	0	NM	0	NM	1
Alabama	NM	7	NM	2	6	NM	0	0	0	NM	1
Kentucky	8	7	4.4%	8	7	0	0	0	0	0	0
Mississippi	1	2	-65.5%	1	2	0	0	0	0	0	0
Tennessee	13	21	-41.0%	12	21	NM	0	NM	0	NM	1
West South Central	16	19	-17.8%	9	7	6	10	NM	0	1	2
Arkansas	6	2	185.5%	3	2	2	0	0	0	1	0
Louisiana	1	5	-71.4%	0	1	1	2	0	0	0	2
Oklahoma	2	2	4.1%	2	2	0	0	NM	0	NM	0
Texas	7	11	-35.1%	4	3	3	8	NM	0	NM	0
Mountain	16	15	9.2%	15	13	1	1	NM	0	NM	1
Arizona	6	2	168.1%	6	2	0	0	NM	0	0	0
Colorado	NM	1	NM	NM	1	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	NM	1	NM	NM	0	1	1	0	0	0	0
Nevada	1	2	-60.7%	0	1	0	0	0	0	0	0
New Mexico	3	3	-14.9%	3	3	0	0	0	0	NM	0
Utah	1	1	-31.2%	1	1	NM	0	0	0	NM	0
Wyoming	4	4	-5.5%	4	3	0	0	0	0	NM	1
Pacific Contiguous	9	7	25.9%	4	4	4	2	NM	0	NM	1
California	7	6	16.0%	4	4	4	2	NM	0	NM	1
Oregon	NM	0	NM	1	0	0	0	NM	0	0	0
Washington	NM	1	NM	NM	0	0	0	NM	0	NM	1
Pacific Noncontiguous	665	684	-2.7%	517	555	132	108	NM	0	15	21
Alaska	60	34	77.1%	56	30	0	0	NM	0	4	3
Hawaii	605	650	-6.9%	461	525	132	108	0	0	12	17
U.S. Total	1,023	929	10.1%	703	711	275	171	9	8	37	39

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

Table 1.5.B. Utility Scale Facility Net Generation from Petroleum Liquids

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	2,035	2,149	-5.3%	180	259	1,729	1,739	91	108	35	43
Connecticut	430	499	-13.8%	6	9	417	479	NM	7	NM	5
Maine	521	298	74.5%	NM	1	486	259	NM	2	32	37
Massachusetts	808	978	-17.4%	58	130	694	781	54	67	NM	1
New Hampshire	169	283	-40.4%	103	105	52	161	NM	16	NM	0
Rhode Island	105	86	21.8%	10	10	80	59	NM	NM	0	0
Vermont	NM	5	NM	NM	4	0	0	NM	1	0	0
Middle Atlantic	2,628	3,108	-15.4%	808	919	1,704	2,044	52	76	65	68
New Jersey	289	455	-36.5%	NM	2	287	450	NM	1	NM	2
New York	1,816	2,075	-12.5%	806	915	903	1,026	50	73	58	60
Pennsylvania	523	578	-9.6%	NM	1	514	568	NM	2	NM	7
East North Central	456	601	-24.1%	317	361	115	216	NM	4	21	19
Illinois	43	68	-37.2%	15	22	27	46	NM	0	NM	0
Indiana	131	125	5.1%	117	114	NM	0	NM	1	13	10
Michigan	94	100	-6.7%	90	97	NM	0	NM	2	2	2
Ohio	160	265	-39.5%	73	94	83	167	NM	0	NM	4
Wisconsin	28	42	-33.1%	21	35	3	3	NM	2	NM	2
West North Central	246	274	-10.0%	233	255	NM	12	4	5	NM	1
Iowa	35	46	-25.5%	34	46	NM	1	NM	0	NM	0
Kansas	39	36	5.9%	39	36	0	0	0	0	0	0
Minnesota	34	57	-40.0%	22	40	NM	11	4	5	NM	1
Missouri	81	81	-0.4%	81	81	0	0	NM	0	0	0
Nebraska	19	28	-32.7%	19	28	0	0	0	0	0	0
North Dakota	21	18	11.2%	20	18	0	0	NM	0	NM	0
South Dakota	18	6	215.4%	18	6	NM	0	NM	0	0	0
South Atlantic	2,621	3,070	-14.6%	1,908	2,106	606	867	NM	19	85	78
Delaware	145	181	-20.0%	NM	8	141	172	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	434	442	-1.9%	412	423	4	4	0	0	17	15
Georgia	136	152	-10.2%	58	83	46	34	2	2	29	32
Maryland	222	440	-49.6%	11	11	190	412	NM	15	NM	1
North Carolina	384	423	-9.2%	351	382	23	26	NM	0	10	14
South Carolina	177	225	-21.4%	153	202	13	15	NM	0	11	8
Virginia	1,017	1,087	-6.4%	826	901	175	176	NM	1	16	8
West Virginia	107	121	-11.7%	94	95	13	26	0	0	0	0
East South Central	297	351	-15.4%	261	326	13	11	NM	0	22	14
Alabama	74	88	-15.5%	42	65	13	11	0	0	19	12
Kentucky	94	93	1.1%	94	93	0	0	0	0	0	0
Mississippi	13	12	10.1%	12	11	0	0	0	0	2	1
Tennessee	116	158	-27.0%	113	156	NM	1	NM	0	NM	1
West South Central	204	147	38.3%	123	64	72	73	NM	1	9	9
Arkansas	44	19	134.9%	29	11	9	6	0	0	7	2
Louisiana	65	37	75.8%	53	10	12	21	0	0	0	6
Oklahoma	7	11	-37.7%	6	11	0	0	NM	0	NM	0
Texas	88	81	8.7%	34	33	52	46	NM	1	NM	1
Mountain	175	185	-5.3%	157	163	13	15	NM	0	5	6
Arizona	38	45	-16.4%	38	45	0	0	NM	0	0	0
Colorado	7	5	43.7%	7	5	0	0	NM	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	16	21	-20.5%	NM	7	10	13	0	0	0	0
Nevada	12	11	9.4%	10	10	2	2	0	0	0	0
New Mexico	52	50	3.7%	52	50	0	0	0	0	NM	0
Utah	14	18	-23.2%	13	17	NM	0	0	0	NM	0
Wyoming	35	34	2.6%	31	28	0	0	0	0	5	6
Pacific Contiguous	91	60	51.1%	32	35	26	15	NM	1	32	9
California	72	36	100.1%	26	25	21	8	NM	1	25	3
Oregon	4	7	-38.3%	4	7	0	0	NM	0	0	0
Washington	14	17	-16.8%	NM	3	5	7	NM	0	7	6
Pacific Noncontiguous	5,765	5,513	4.6%	4,479	4,246	1,124	1,090	5	4	157	173
Alaska	590	325	81.2%	552	291	0	0	NM	2	36	32
Hawaii	5,175	5,187	-0.2%	3,927	3,955	1,124	1,090	2	1	121	141
U.S. Total	14,518	15,458	-6.1%	8,496	8,735	5,411	6,084	180	218	431	421

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

Table 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	20	17	14.5%	0	0	0	0	0	0	20	17
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	17	17	-3.7%	0	0	0	0	0	0	17	17
East North Central	286	329	-13.1%	164	199	99	101	0	0	23	29
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	127	115	10.5%	127	115	0	0	0	0	0	0
Michigan	50	94	-47.0%	33	75	2	3	0	0	15	16
Ohio	97	98	-1.5%	0	0	97	98	0	0	NM	0
Wisconsin	13	22	-42.0%	4	9	0	0	0	0	8	13
West North Central	8	9	-14.0%	0	0	0	0	1	1	NM	8
Iowa	8	9	-14.0%	0	0	0	0	1	1	NM	8
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	148	15	892.5%	133	0	0	0	0	0	15	15
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	133	0	--	133	0	0	0	0	0	0	0
Georgia	15	15	1.4%	0	0	0	0	0	0	15	15
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	55	111	-50.2%	55	111	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	55	111	-50.2%	55	111	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	478	493	-3.1%	445	440	0	0	0	0	34	53
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	468	482	-2.9%	445	440	0	0	0	0	24	42
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	10	11	-11.0%	0	0	0	0	0	0	10	11
Mountain	41	41	-0.3%	0	0	41	41	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	41	41	-0.3%	0	0	41	41	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	4	NM	0	0	NM	4	0	0	0	0
California	NM	4	NM	0	0	NM	4	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,037	1,019	1.7%	797	750	140	145	1	1	99	123

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

Table 1.6.B. Utility Scale Facility Net Generation from Petroleum Coke

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	154	148	4.0%	0	0	0	0	0	0	154	148
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	140	122	14.8%	0	0	0	0	0	0	140	122
East North Central	2,530	2,730	-7.3%	1,434	1,640	884	834	0	0	212	256
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	872	1,022	-14.7%	872	1,022	0	0	0	0	0	0
Michigan	646	692	-6.6%	515	534	16	40	0	0	115	117
Ohio	869	794	9.4%	0	0	868	794	0	0	NM	0
Wisconsin	143	222	-35.4%	48	83	0	0	0	0	95	138
West North Central	57	68	-16.2%	0	0	0	0	6	6	51	62
Iowa	57	68	-16.2%	0	0	0	0	6	6	51	62
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,376	1,360	1.2%	1,244	1,211	0	0	0	0	132	149
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,244	1,211	2.8%	1,244	1,211	0	0	0	0	0	0
Georgia	132	149	-11.9%	0	0	0	0	0	0	132	149
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	774	776	-0.2%	774	776	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	774	776	-0.2%	774	776	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	3,422	4,043	-15.3%	3,122	3,599	0	0	0	0	300	443
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	3,315	3,906	-15.1%	3,122	3,599	0	0	0	0	193	306
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	107	137	-21.5%	0	0	0	0	0	0	107	137
Mountain	360	279	29.0%	0	0	360	279	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	360	279	29.0%	0	0	360	279	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	19	NM	0	0	NM	19	0	0	0	0
California	NM	19	NM	0	0	NM	19	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	8,679	9,423	-7.9%	6,575	7,226	1,250	1,132	6	6	848	1,059

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.7.A. Utility Scale Facility Net Generation from Natural Gas by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	4,985	4,534	9.9%	48	42	4,744	4,271	89	83	105	139
Connecticut	1,502	1,173	28.1%	1	2	1,423	1,101	37	31	42	38
Maine	268	258	3.7%	0	0	217	171	NM	2	49	85
Massachusetts	2,178	1,920	13.4%	47	39	2,075	1,825	45	44	NM	12
New Hampshire	559	467	19.6%	0	1	554	461	NM	2	NM	3
Rhode Island	478	717	-33.3%	0	0	475	713	NM	NM	0	0
Vermont	0	0	-53.7%	0	0	0	0	0	0	0	0
Middle Atlantic	14,865	13,260	12.1%	1,177	1,058	13,421	11,944	96	86	171	173
New Jersey	3,808	3,002	26.9%	NM	8	3,745	2,940	NM	18	37	36
New York	5,692	5,109	11.4%	1,166	1,049	4,441	3,988	66	54	NM	17
Pennsylvania	5,366	5,149	4.2%	NM	1	5,235	5,015	NM	14	116	119
East North Central	7,494	4,666	60.6%	3,070	1,667	4,140	2,782	142	111	143	106
Illinois	1,073	461	133.0%	136	27	856	360	42	41	39	32
Indiana	1,061	534	98.6%	922	313	75	178	18	12	46	31
Michigan	1,764	901	95.8%	478	280	1,186	554	NM	45	NM	22
Ohio	2,438	2,192	11.2%	510	548	1,916	1,635	NM	5	NM	4
Wisconsin	1,159	578	100.5%	1,024	499	107	55	NM	7	NM	17
West North Central	1,819	778	133.9%	1,455	617	306	131	NM	19	NM	11
Iowa	240	101	138.0%	226	93	NM	0	NM	3	NM	4
Kansas	147	100	47.1%	136	98	0	0	0	0	NM	2
Minnesota	863	199	334.3%	662	164	181	26	NM	7	NM	2
Missouri	415	340	22.2%	279	226	125	105	11	8	NM	1
Nebraska	51	19	165.3%	51	19	0	0	NM	0	0	0
North Dakota	43	17	159.2%	40	15	0	0	0	0	NM	1
South Dakota	60	2	NM	60	2	0	0	0	0	0	0
South Atlantic	27,338	23,730	15.2%	22,017	19,312	5,004	4,126	47	45	269	247
Delaware	690	672	2.6%	NM	4	604	594	0	0	81	74
District of Columbia	NM	6	NM	0	0	0	0	NM	6	0	0
Florida	14,167	13,145	7.8%	13,366	12,337	683	694	NM	3	114	111
Georgia	4,266	4,013	6.3%	2,567	2,778	1,665	1,210	0	0	34	24
Maryland	456	238	91.4%	0	0	417	199	35	35	NM	5
North Carolina	3,209	2,733	17.4%	2,918	2,358	279	371	1	0	NM	4
South Carolina	1,402	868	61.5%	1,231	759	168	106	NM	0	NM	3
Virginia	2,967	1,978	50.0%	1,920	1,076	1,025	878	NM	0	22	24
West Virginia	175	75	133.0%	10	1	165	74	0	0	0	0
East South Central	9,707	7,826	24.0%	5,561	4,211	3,985	3,486	NM	12	149	117
Alabama	4,635	4,441	4.4%	1,032	1,195	3,525	3,176	0	0	78	69
Kentucky	606	61	884.8%	479	55	104	0	0	0	NM	6
Mississippi	3,617	2,810	28.7%	3,228	2,471	355	309	NM	2	32	28
Tennessee	850	513	65.8%	822	489	NM	1	NM	10	16	14
West South Central	31,014	26,865	15.4%	9,537	7,288	16,063	14,333	84	80	5,329	5,163
Arkansas	1,099	754	45.7%	510	82	566	653	NM	0	23	19
Louisiana	5,575	4,629	20.4%	3,119	2,435	306	149	NM	16	2,134	2,030
Oklahoma	2,706	2,003	35.1%	1,640	1,219	1,053	776	NM	0	NM	8
Texas	21,634	19,478	11.1%	4,268	3,552	14,138	12,755	66	64	3,161	3,106
Mountain	10,358	9,073	14.2%	7,473	5,984	2,738	2,931	29	41	118	117
Arizona	4,237	3,630	16.7%	2,411	1,649	1,816	1,964	10	18	0	0
Colorado	1,288	1,105	16.7%	1,062	870	225	233	0	0	NM	2
Idaho	395	341	15.9%	230	177	162	163	0	0	NM	1
Montana	75	12	504.8%	68	11	NM	1	0	0	0	0
Nevada	2,732	2,474	10.4%	2,563	2,204	143	237	NM	7	21	26
New Mexico	830	707	17.4%	486	424	332	264	8	9	NM	11
Utah	739	754	-2.0%	647	647	NM	58	NM	8	35	41
Wyoming	62	50	23.5%	NM	2	NM	11	0	0	54	36
Pacific Contiguous	15,465	15,655	-1.2%	5,848	5,889	8,515	8,426	143	181	960	1,159
California	12,319	12,434	-0.9%	3,906	3,823	7,334	7,288	134	170	945	1,152
Oregon	1,688	1,582	6.7%	718	640	952	930	NM	10	NM	2
Washington	1,459	1,640	-11.0%	1,224	1,426	229	208	NM	2	5	4
Pacific Noncontiguous	201	195	3.2%	194	191	0	0	NM	0	NM	4
Alaska	201	195	3.2%	194	191	0	0	NM	0	NM	4
Hawaii	0	0	-	0	0	0	0	0	0	0	0
U.S. Total	123,248	106,582	15.6%	56,380	46,260	58,916	52,430	675	657	7,278	7,234

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

Table 1.7.B. Utility Scale Facility Net Generation from Natural Gas

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	41,225	36,939	11.6%	350	286	39,189	34,634	761	731	925	1,288
Connecticut	12,708	10,959	16.0%	1	9	12,045	10,305	307	295	355	351
Maine	2,120	3,504	-39.5%	0	0	1,658	2,663	NM	21	443	820
Massachusetts	16,555	14,620	13.2%	328	249	15,736	13,903	388	373	104	95
New Hampshire	4,657	3,183	46.3%	20	27	4,601	3,123	NM	11	NM	22
Rhode Island	5,183	4,672	10.9%	0	0	5,149	4,640	34	32	0	0
Vermont	1	2	-30.3%	1	2	0	0	0	0	0	0
Middle Atlantic	116,548	103,870	12.2%	9,409	9,219	104,854	92,515	839	754	1,446	1,382
New Jersey	27,858	23,161	20.3%	NM	56	27,329	22,677	148	133	307	295
New York	44,026	41,577	5.9%	9,325	9,157	33,960	31,727	577	517	164	175
Pennsylvania	44,664	39,132	14.1%	NM	6	43,566	38,111	114	103	974	912
East North Central	67,212	44,665	50.5%	28,646	17,489	36,113	25,256	1,169	1,024	1,284	897
Illinois	8,001	4,039	98.1%	558	329	6,723	3,019	381	368	339	322
Indiana	11,984	6,856	74.8%	9,752	4,765	1,680	1,659	123	84	430	348
Michigan	15,247	9,574	59.2%	3,696	2,575	10,738	6,516	461	380	352	103
Ohio	21,789	18,576	17.3%	5,300	5,006	16,360	13,446	81	85	49	39
Wisconsin	10,191	5,620	81.3%	9,340	4,814	612	616	123	107	116	84
West North Central	14,313	8,469	69.0%	11,951	7,035	1,895	1,143	239	154	228	137
Iowa	2,030	973	108.7%	1,902	909	NM	0	60	27	68	37
Kansas	1,270	1,192	6.6%	1,194	1,153	0	0	0	0	76	39
Minnesota	5,765	2,535	127.4%	4,864	2,028	731	386	112	77	59	44
Missouri	3,820	2,962	29.0%	2,587	2,153	1,163	757	67	49	NM	3
Nebraska	443	326	35.7%	441	326	0	0	NM	0	NM	0
North Dakota	291	167	74.4%	270	152	0	0	0	0	NM	16
South Dakota	694	314	120.9%	694	314	0	0	0	0	0	0
South Atlantic	232,632	193,213	20.4%	189,084	160,514	40,560	30,272	416	377	2,573	2,050
Delaware	5,393	4,583	17.7%	NM	25	4,593	4,104	0	0	762	454
District of Columbia	53	52	1.5%	0	0	0	0	53	52	0	0
Florida	118,498	108,932	8.8%	111,459	102,112	5,964	5,843	NM	25	1,048	952
Georgia	38,137	29,755	28.2%	24,820	21,598	12,964	7,877	0	0	352	280
Maryland	3,509	2,010	74.6%	0	0	3,144	1,678	322	293	42	40
North Carolina	28,080	21,579	30.1%	24,844	19,147	3,125	2,359	5	0	106	73
South Carolina	11,753	8,952	31.3%	10,498	7,993	1,230	934	NM	3	19	23
Virginia	26,195	16,881	55.2%	17,312	9,467	8,635	7,182	NM	4	244	228
West Virginia	1,016	469	116.7%	112	172	904	297	0	0	NM	0
East South Central	87,514	66,190	32.2%	50,236	38,248	35,776	26,581	112	109	1,389	1,252
Alabama	42,353	34,814	21.7%	11,083	10,356	30,498	23,736	0	0	772	722
Kentucky	3,151	2,141	47.1%	2,408	1,795	547	143	0	0	195	204
Mississippi	34,949	24,428	43.1%	29,921	21,468	4,724	2,697	NM	16	288	247
Tennessee	7,061	4,807	46.9%	6,824	4,629	NM	5	96	93	135	80
West South Central	271,540	228,109	19.0%	81,566	66,107	142,396	114,212	688	662	46,891	47,127
Arkansas	12,644	7,729	63.6%	3,615	1,368	8,768	6,165	NM	2	259	194
Louisiana	48,906	42,757	14.4%	28,118	21,743	2,468	1,766	140	145	18,180	19,103
Oklahoma	26,141	20,890	25.1%	16,503	13,401	9,517	7,388	NM	0	112	100
Texas	183,849	156,733	17.3%	33,329	29,595	121,643	98,892	537	515	28,340	27,731
Mountain	72,281	63,249	14.3%	51,350	43,294	19,667	18,715	264	306	1,000	934
Arizona	25,600	21,483	19.2%	13,547	10,315	11,965	11,064	88	104	0	0
Colorado	8,354	8,595	-2.8%	6,513	6,735	1,821	1,841	NM	5	13	13
Idaho	2,720	2,019	34.8%	1,614	1,087	1,073	907	0	0	33	24
Montana	548	389	40.9%	500	356	49	33	0	0	0	0
Nevada	21,280	17,003	25.2%	19,810	14,940	1,254	1,839	42	48	175	177
New Mexico	7,226	7,085	2.0%	4,051	4,388	3,076	2,596	71	86	29	15
Utah	6,056	6,291	-3.7%	5,280	5,455	419	420	55	63	302	353
Wyoming	496	385	28.8%	NM	17	NM	15	0	0	448	352
Pacific Contiguous	105,957	106,405	-0.4%	39,887	36,897	56,559	58,850	1,250	1,347	8,261	9,311
California	86,013	89,621	-4.0%	27,975	26,677	48,701	52,423	1,173	1,285	8,164	9,235
Oregon	11,267	8,725	29.1%	4,559	3,305	6,586	5,327	63	53	58	41
Washington	8,677	8,059	7.7%	7,353	6,915	1,272	1,100	NM	9	39	35
Pacific Noncontiguous	2,210	2,425	-8.9%	2,149	2,374	0	0	NM	1	58	50
Alaska	2,210	2,425	-8.9%	2,149	2,374	0	0	NM	1	58	50
Hawaii	0	0	–	0	0	0	0	0	0	0	0
U.S. Total	1,011,431	853,535	18.5%	464,627	381,463	477,008	402,179	5,740	5,464	64,057	64,428

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

Table 1.8.A. Utility Scale Facility Net Generation from Other Gases by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	56	55	1.6%	0	0	0	0	0	0	56	55
New Jersey	NM	14	NM	0	0	0	0	0	0	NM	14
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	38	41	-9.3%	0	0	0	0	0	0	38	41
East North Central	477	407	17.2%	21	5	177	155	0	0	278	247
Illinois	NM	28	NM	0	0	0	0	0	0	NM	28
Indiana	217	200	8.7%	NM	1	0	0	0	0	213	198
Michigan	118	105	11.8%	18	3	100	102	0	0	0	0
Ohio	105	74	41.3%	0	0	77	53	0	0	NM	21
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	1	NM	0	0	0	0	0	0	NM	1
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	1	NM	0	0	0	0	0	0	NM	1
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	53	52	3.0%	0	0	0	0	0	0	53	52
Delaware	51	48	4.9%	0	0	0	0	0	0	51	48
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	1	-43.6%	0	0	0	0	0	0	0	1
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	2	3	-20.3%	0	0	0	0	0	0	2	3
East South Central	NM	5	NM	0	0	0	0	0	0	NM	5
Alabama	NM	4	NM	0	0	0	0	0	0	NM	4
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	-40.4%	0	0	0	0	0	0	1	1
West South Central	410	418	-2.0%	0	0	111	106	0	0	299	312
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	197	193	2.0%	0	0	0	0	0	0	197	193
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	213	225	-5.4%	0	0	111	106	0	0	102	119
Mountain	40	25	60.7%	0	0	2	1	0	0	38	24
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	0	NM	0	0	1	0	0	0	0	0
Nevada	1	1	35.1%	0	0	1	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	38	24	56.5%	0	0	0	0	0	0	38	24
Pacific Contiguous	167	158	5.4%	0	0	35	31	0	0	132	127
California	132	127	3.9%	0	0	0	0	0	0	132	127
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	35	31	11.7%	0	0	35	31	0	0	0	0
Pacific Noncontiguous	NM	5	NM	0	0	0	0	0	0	NM	5
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	5	NM	0	0	0	0	0	0	NM	5
U.S. Total	1,217	1,126	8.0%	21	5	325	293	0	0	870	828

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

Table 1.8.B. Utility Scale Facility Net Generation from Other Gases

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	464	482	-3.9%	0	0	0	0	0	0	464	482
New Jersey	137	119	15.1%	0	0	0	0	0	0	137	119
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	327	363	-10.1%	0	0	0	0	0	0	327	363
East North Central	3,901	3,343	16.7%	183	84	1,571	1,262	0	0	2,147	1,997
Illinois	282	284	-0.6%	0	0	1	7	0	0	281	277
Indiana	1,698	1,586	7.1%	NM	15	0	0	0	0	1,683	1,571
Michigan	1,165	787	48.1%	168	68	997	718	0	0	0	0
Ohio	755	686	10.0%	0	0	573	537	0	0	182	149
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	30	NM	0	0	0	0	0	0	NM	30
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	30	NM	0	0	0	0	0	0	NM	30
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	205	198	3.5%	0	0	0	0	0	0	205	198
Delaware	179	172	4.6%	0	0	0	0	0	0	179	172
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3	6	-43.1%	0	0	0	0	0	0	3	6
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	23	21	7.7%	0	0	0	0	0	0	23	21
East South Central	58	149	-61.0%	0	0	0	0	0	0	58	149
Alabama	50	139	-64.4%	0	0	0	0	0	0	50	139
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	9	10	-14.7%	0	0	0	0	0	0	9	10
West South Central	3,571	3,023	18.1%	0	0	901	771	0	0	2,670	2,252
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,731	1,403	23.3%	0	0	0	0	0	0	1,731	1,403
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,840	1,620	13.6%	0	0	901	771	0	0	939	848
Mountain	336	251	33.9%	0	0	17	4	0	0	319	247
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	13	0	NM	0	0	13	0	0	0	0	0
Nevada	5	4	14.2%	0	0	5	4	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	319	247	29.1%	0	0	0	0	0	0	319	247
Pacific Contiguous	1,494	1,189	25.6%	0	0	289	237	0	0	1,205	952
California	1,205	952	26.5%	0	0	0	0	0	0	1,205	952
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	289	237	21.7%	0	0	289	237	0	0	0	0
Pacific Noncontiguous	42	46	-8.6%	0	0	0	0	0	0	42	46
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	42	46	-8.6%	0	0	0	0	0	0	42	46
U.S. Total	10,111	8,713	16.0%	183	84	2,778	2,275	0	0	7,149	6,354

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.9.A. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	2,803	3,297	-15.0%	0	0	2,803	3,297	0	0	0	0
Connecticut	1,495	1,493	0.1%	0	0	1,495	1,493	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	486	487	-0.2%	0	0	486	487	0	0	0	0
New Hampshire	823	897	-8.3%	0	0	823	897	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	421	-100.0%	0	0	0	421	0	0	0	0
Middle Atlantic	12,904	12,369	4.3%	0	0	12,904	12,369	0	0	0	0
New Jersey	2,886	2,524	14.4%	0	0	2,886	2,524	0	0	0	0
New York	3,481	3,232	7.7%	0	0	3,481	3,232	0	0	0	0
Pennsylvania	6,537	6,613	-1.2%	0	0	6,537	6,613	0	0	0	0
East North Central	12,274	13,298	-7.7%	1,828	1,964	10,445	11,333	0	0	0	0
Illinois	7,816	8,365	-6.6%	0	0	7,816	8,365	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,074	2,540	-18.3%	1,828	1,964	246	575	0	0	0	0
Ohio	1,535	1,529	0.4%	0	0	1,535	1,529	0	0	0	0
Wisconsin	848	864	-1.8%	0	0	848	864	0	0	0	0
West North Central	4,319	4,036	7.0%	3,888	3,646	431	390	0	0	0	0
Iowa	431	390	10.6%	0	0	431	390	0	0	0	0
Kansas	865	868	-0.3%	865	868	0	0	0	0	0	0
Minnesota	1,233	1,095	12.6%	1,233	1,095	0	0	0	0	0	0
Missouri	870	871	-0.1%	870	871	0	0	0	0	0	0
Nebraska	919	812	13.2%	919	812	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	16,361	15,934	2.7%	15,116	14,707	1,245	1,226	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,039	2,365	-13.8%	2,039	2,365	0	0	0	0	0	0
Georgia	2,601	2,376	9.5%	2,601	2,376	0	0	0	0	0	0
Maryland	1,245	1,226	1.5%	0	0	1,245	1,226	0	0	0	0
North Carolina	3,146	3,172	-0.8%	3,146	3,172	0	0	0	0	0	0
South Carolina	4,728	4,741	-0.3%	4,728	4,741	0	0	0	0	0	0
Virginia	2,602	2,054	26.7%	2,602	2,054	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,448	6,898	-6.5%	6,448	6,898	0	0	0	0	0	0
Alabama	3,554	3,469	2.5%	3,554	3,469	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	967	994	-2.7%	967	994	0	0	0	0	0	0
Tennessee	1,927	2,435	-20.9%	1,927	2,435	0	0	0	0	0	0
West South Central	6,161	6,460	-4.6%	2,557	2,836	3,604	3,624	0	0	0	0
Arkansas	1,041	1,321	-21.2%	1,041	1,321	0	0	0	0	0	0
Louisiana	1,515	1,515	0.0%	1,515	1,515	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,604	3,624	-0.5%	0	0	3,604	3,624	0	0	0	0
Mountain	2,840	2,832	0.3%	2,840	2,832	0	0	0	0	0	0
Arizona	2,840	2,832	0.3%	2,840	2,832	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,357	2,413	-2.3%	2,357	2,413	0	0	0	0	0	0
California	1,534	1,612	-4.9%	1,534	1,612	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	824	801	2.9%	824	801	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	66,466	67,535	-1.6%	35,034	35,296	31,432	32,238	0	0	0	0

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

Table 1.9.B. Utility Scale Facility Net Generation from Nuclear Energy

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	25,209	27,957	-9.8%	0	0	25,209	27,957	0	0	0	0
Connecticut	13,613	12,311	10.6%	0	0	13,613	12,311	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	3,505	4,277	-18.1%	0	0	3,505	4,277	0	0	0	0
New Hampshire	8,091	7,414	9.1%	0	0	8,091	7,414	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	3,955	-100.0%	0	0	0	3,955	0	0	0	0
Middle Atlantic	119,078	113,263	5.1%	0	0	119,078	113,263	0	0	0	0
New Jersey	25,366	23,517	7.9%	0	0	25,366	23,517	0	0	0	0
New York	33,085	31,314	5.7%	0	0	33,085	31,314	0	0	0	0
Pennsylvania	60,627	58,431	3.8%	0	0	60,627	58,431	0	0	0	0
East North Central	116,110	115,406	0.6%	18,137	19,188	97,973	96,219	0	0	0	0
Illinois	72,671	73,046	-0.5%	0	0	72,671	73,046	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	23,061	23,215	-0.7%	18,137	19,188	4,923	4,028	0	0	0	0
Ohio	12,539	11,892	5.4%	0	0	12,539	11,892	0	0	0	0
Wisconsin	7,840	7,253	8.1%	0	0	7,840	7,253	0	0	0	0
West North Central	34,238	35,905	-4.6%	30,336	32,047	3,902	3,857	0	0	0	0
Iowa	3,902	3,857	1.2%	0	0	3,902	3,857	0	0	0	0
Kansas	5,935	5,892	0.7%	5,935	5,892	0	0	0	0	0	0
Minnesota	9,218	10,245	-10.0%	9,218	10,245	0	0	0	0	0	0
Missouri	7,721	7,982	-3.3%	7,721	7,982	0	0	0	0	0	0
Nebraska	7,462	7,927	-5.9%	7,462	7,927	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	152,321	147,082	3.6%	141,489	136,638	10,833	10,444	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	21,666	20,574	5.3%	21,666	20,574	0	0	0	0	0	0
Georgia	25,437	24,078	5.6%	25,437	24,078	0	0	0	0	0	0
Maryland	10,833	10,444	3.7%	0	0	10,833	10,444	0	0	0	0
North Carolina	31,025	30,883	0.5%	31,025	30,883	0	0	0	0	0	0
South Carolina	41,495	38,501	7.8%	41,495	38,501	0	0	0	0	0	0
Virginia	21,865	22,602	-3.3%	21,865	22,602	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	59,441	58,737	1.2%	59,441	58,737	0	0	0	0	0	0
Alabama	31,177	31,606	-1.4%	31,177	31,606	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	8,669	7,116	21.8%	8,669	7,116	0	0	0	0	0	0
Tennessee	19,596	20,015	-2.1%	19,596	20,015	0	0	0	0	0	0
West South Central	55,063	52,952	4.0%	23,395	23,295	31,669	29,657	0	0	0	0
Arkansas	10,954	10,408	5.2%	10,954	10,408	0	0	0	0	0	0
Louisiana	12,441	12,886	-3.5%	12,441	12,886	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	31,669	29,657	6.8%	0	0	31,669	29,657	0	0	0	0
Mountain	24,957	24,849	0.4%	24,957	24,849	0	0	0	0	0	0
Arizona	24,957	24,849	0.4%	24,957	24,849	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	20,291	20,121	0.8%	20,291	20,121	0	0	0	0	0	0
California	14,647	13,093	11.9%	14,647	13,093	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5,644	7,029	-19.7%	5,644	7,029	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	606,709	596,272	1.8%	318,046	314,876	288,663	281,397	0	0	0	0

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

Table 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	437	343	27.6%	NM	17	367	297	NM	NM	NM	28
Connecticut	NM	21	NM	NM	2	NM	19	0	0	0	0
Maine	230	244	-5.7%	0	0	208	217	0	0	NM	27
Massachusetts	NM	23	NM	NM	5	NM	18	NM	NM	NM	0
New Hampshire	NM	30	NM	NM	3	NM	26	0	0	0	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	NM	24	NM	NM	8	NM	16	0	0	0	0
Middle Atlantic	2,298	2,150	6.9%	1,925	1,735	368	409	NM	0	NM	5
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	2,215	2,087	6.1%	1,920	1,733	291	348	NM	0	NM	5
Pennsylvania	81	61	32.7%	NM	2	76	59	0	0	0	0
East North Central	299	435	-31.2%	255	364	NM	53	NM	0	NM	18
Illinois	NM	10	NM	NM	4	NM	7	NM	0	0	0
Indiana	31	37	-17.6%	31	37	0	0	0	0	0	0
Michigan	90	68	33.2%	83	62	NM	4	0	0	NM	1
Ohio	NM	60	NM	15	28	NM	31	0	0	0	0
Wisconsin	137	259	-47.1%	123	232	NM	10	0	0	NM	17
West North Central	826	1,208	-31.7%	810	1,193	NM	13	0	0	3	1
Iowa	47	96	-50.9%	47	95	NM	1	0	0	0	0
Kansas	NM	2	NM	0	0	NM	2	0	0	0	0
Minnesota	35	33	3.9%	NM	21	NM	11	0	0	3	1
Missouri	61	39	56.5%	61	39	0	0	0	0	0	0
Nebraska	69	126	-45.5%	69	126	0	0	0	0	0	0
North Dakota	153	234	-34.8%	153	234	0	0	0	0	0	0
South Dakota	460	678	-32.1%	460	678	0	0	0	0	0	0
South Atlantic	737	840	-12.3%	654	736	65	75	NM	1	NM	27
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	NM	12	NM	NM	12	0	0	0	0	0	0
Georgia	188	190	-1.0%	186	189	NM	1	0	0	NM	1
Maryland	36	41	-12.7%	0	0	36	41	0	0	0	0
North Carolina	254	341	-25.6%	249	336	NM	4	NM	1	NM	0
South Carolina	140	128	9.5%	135	124	NM	4	NM	0	0	0
Virginia	48	58	-17.1%	43	54	NM	4	0	0	NM	1
West Virginia	56	69	-19.0%	NM	22	15	22	0	0	14	26
East South Central	1,207	1,334	-9.5%	1,207	1,333	NM	1	0	0	0	0
Alabama	425	430	-1.2%	425	430	0	0	0	0	0	0
Kentucky	189	212	-11.0%	188	212	NM	1	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	593	692	-14.2%	593	692	0	0	0	0	0	0
West South Central	506	309	63.6%	446	242	60	67	0	0	0	0
Arkansas	336	142	136.9%	335	141	NM	1	0	0	0	0
Louisiana	57	64	-11.0%	0	0	57	64	0	0	0	0
Oklahoma	83	74	12.3%	83	74	0	0	0	0	0	0
Texas	30	29	0.7%	27	27	NM	3	0	0	0	0
Mountain	1,995	2,128	-6.3%	1,913	2,033	81	94	NM	1	0	0
Arizona	556	467	19.1%	556	467	0	0	0	0	0	0
Colorado	104	160	-34.9%	91	141	NM	19	NM	1	0	0
Idaho	534	537	-0.7%	477	475	57	63	0	0	0	0
Montana	527	674	-21.8%	518	665	NM	9	0	0	0	0
Nevada	144	169	-14.6%	142	166	NM	3	0	0	0	0
New Mexico	NM	7	NM	NM	7	0	0	0	0	0	0
Utah	41	42	-2.9%	40	41	NM	0	0	0	0	0
Wyoming	80	73	9.2%	79	72	NM	1	0	0	0	0
Pacific Contiguous	7,776	7,136	9.0%	7,691	7,054	84	81	NM	0	0	0
California	1,391	1,253	11.0%	1,338	1,200	52	53	NM	0	0	0
Oregon	2,067	1,978	4.5%	2,049	1,962	NM	15	0	0	0	0
Washington	4,318	3,905	10.6%	4,304	3,893	NM	12	0	0	0	0
Pacific Noncontiguous	126	193	-34.5%	118	186	6	1	0	0	NM	6
Alaska	116	183	-36.3%	116	183	0	0	0	0	0	0
Hawaii	NM	10	NM	NM	3	6	1	0	0	NM	6
U.S. Total	16,206	16,074	0.8%	15,065	14,895	1,078	1,091	NM	3	61	86

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.10.B. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	5,631	5,807	-3.0%	710	674	4,613	4,823	NM	NM	303	305
Connecticut	330	338	-2.1%	NM	27	304	311	0	0	0	0
Maine	2,694	2,820	-4.5%	0	0	2,395	2,519	0	0	299	301
Massachusetts	662	672	-1.4%	146	131	507	533	NM	NM	NM	4
New Hampshire	1,045	1,093	-4.4%	235	227	810	866	0	0	0	0
Rhode Island	NM	3	NM	0	0	NM	3	0	0	0	0
Vermont	896	881	1.7%	303	290	593	591	0	0	0	0
Middle Atlantic	21,943	21,513	2.0%	16,545	15,906	5,345	5,555	NM	2	NM	51
New Jersey	NM	13	NM	0	0	NM	13	0	0	0	0
New York	19,931	19,312	3.2%	16,484	15,839	3,394	3,420	NM	2	NM	51
Pennsylvania	1,991	2,189	-9.0%	NM	67	1,930	2,122	0	0	0	0
East North Central	3,613	3,754	-3.8%	3,085	3,194	392	420	NM	2	134	138
Illinois	98	107	-8.8%	NM	38	60	67	NM	2	0	0
Indiana	256	250	2.5%	256	250	0	0	0	0	0	0
Michigan	1,151	1,198	-3.9%	1,054	1,099	76	77	0	0	NM	22
Ohio	342	383	-10.7%	158	182	184	201	0	0	0	0
Wisconsin	1,767	1,816	-2.7%	1,582	1,627	71	73	0	0	113	116
West North Central	8,640	8,364	3.3%	8,472	8,180	151	168	0	0	NM	16
Iowa	627	645	-2.7%	623	640	NM	5	0	0	0	0
Kansas	NM	12	NM	0	0	NM	12	0	0	0	0
Minnesota	400	459	-12.7%	251	292	133	152	0	0	NM	16
Missouri	1,216	535	127.4%	1,216	535	0	0	0	0	0	0
Nebraska	852	849	0.3%	852	849	0	0	0	0	0	0
North Dakota	1,715	1,979	-13.3%	1,715	1,979	0	0	0	0	0	0
South Dakota	3,815	3,885	-1.8%	3,815	3,885	0	0	0	0	0	0
South Atlantic	9,811	11,658	-15.8%	7,694	9,462	1,662	1,763	NM	14	444	418
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	161	171	-6.2%	161	171	0	0	0	0	0	0
Georgia	2,088	2,449	-14.7%	2,062	2,426	NM	8	0	0	NM	14
Maryland	1,270	1,375	-7.6%	0	0	1,270	1,375	0	0	0	0
North Carolina	2,933	3,786	-22.5%	2,876	3,728	NM	46	NM	12	NM	0
South Carolina	1,754	2,188	-19.8%	1,695	2,122	NM	63	NM	2	0	0
Virginia	660	789	-16.4%	602	729	NM	52	0	0	NM	9
West Virginia	946	900	5.0%	298	287	233	218	0	0	415	395
East South Central	16,355	15,196	7.6%	16,349	15,191	NM	6	0	0	0	0
Alabama	6,983	6,903	1.2%	6,983	6,903	0	0	0	0	0	0
Kentucky	2,548	2,255	13.0%	2,542	2,249	NM	6	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	6,824	6,038	13.0%	6,824	6,038	0	0	0	0	0	0
West South Central	5,990	4,493	33.3%	5,152	3,560	838	934	0	0	0	0
Arkansas	2,722	2,192	24.2%	2,705	2,175	NM	17	0	0	0	0
Louisiana	795	891	-10.7%	0	0	795	891	0	0	0	0
Oklahoma	1,902	1,110	71.3%	1,902	1,110	0	0	0	0	0	0
Texas	570	300	89.9%	544	274	NM	26	0	0	0	0
Mountain	23,896	26,339	-9.3%	22,965	25,280	927	1,054	NM	6	0	0
Arizona	5,145	4,690	9.7%	5,145	4,690	0	0	0	0	0	0
Colorado	1,184	1,624	-27.1%	1,023	1,439	156	179	NM	6	0	0
Idaho	6,725	7,643	-12.0%	6,104	6,935	621	708	0	0	0	0
Montana	7,699	8,995	-14.4%	7,588	8,874	111	121	0	0	0	0
Nevada	1,823	2,011	-9.4%	1,796	1,980	NM	31	0	0	0	0
New Mexico	97	79	22.5%	97	79	0	0	0	0	0	0
Utah	473	510	-7.3%	468	504	NM	6	0	0	0	0
Wyoming	751	785	-4.4%	744	777	NM	8	0	0	0	0
Pacific Contiguous	94,647	102,952	-8.1%	93,778	101,962	863	987	NM	3	0	0
California	11,452	13,704	-16.4%	11,008	13,124	437	576	NM	3	0	0
Oregon	24,795	26,982	-8.1%	24,580	26,799	215	184	0	0	0	0
Washington	58,400	62,266	-6.2%	58,189	62,040	211	227	0	0	0	0
Pacific Noncontiguous	1,211	1,177	2.9%	1,149	1,129	25	10	0	0	NM	38
Alaska	1,132	1,113	1.7%	1,132	1,113	0	0	0	0	0	0
Hawaii	80	64	23.4%	NM	17	25	10	0	0	NM	38
U.S. Total	191,738	201,254	-4.7%	175,900	184,539	14,820	15,718	NM	32	987	965

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

Table 1.11.A. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	812	798	1.8%	54	75	641	575	16	15	101	132
Connecticut	72	61	18.0%	0	0	72	59	0	2	0	0
Maine	344	353	-2.6%	0	0	234	214	10	8	101	132
Massachusetts	172	153	12.5%	6	5	164	145	NM	2	NM	0
New Hampshire	161	158	2.0%	25	31	133	125	4	3	0	0
Rhode Island	15	16	-6.8%	0	0	14	15	NM	1	0	0
Vermont	48	57	-15.1%	23	39	24	17	NM	0	0	0
Middle Atlantic	916	984	-6.9%	18	31	762	823	63	59	74	71
New Jersey	156	138	13.1%	9	4	118	109	29	25	NM	0
New York	391	450	-13.0%	9	27	339	385	20	19	23	19
Pennsylvania	369	396	-6.9%	0	0	305	330	13	14	51	52
East North Central	1,783	1,490	19.6%	225	184	1,390	1,143	25	27	143	136
Illinois	676	502	34.8%	NM	1	675	501	NM	0	0	0
Indiana	265	204	29.8%	26	27	232	169	NM	2	5	6
Michigan	491	467	5.2%	119	84	291	307	22	21	60	55
Ohio	127	109	16.5%	3	2	98	77	NM	1	27	29
Wisconsin	223	208	7.0%	77	71	95	89	0	3	51	46
West North Central	4,250	3,597	18.1%	1,338	978	2,843	2,545	9	9	60	65
Iowa	1,350	999	35.2%	827	531	514	457	NM	3	7	8
Kansas	994	845	17.5%	77	74	917	771	0	0	0	0
Minnesota	827	806	2.7%	164	156	608	590	NM	2	53	57
Missouri	96	70	37.6%	4	4	89	64	3	2	NM	0
Nebraska	276	231	19.6%	21	25	254	205	NM	1	0	0
North Dakota	502	462	8.8%	198	134	304	328	0	0	0	0
South Dakota	204	185	10.6%	48	54	156	131	0	0	0	0
South Atlantic	1,793	1,687	6.3%	194	160	749	736	42	42	809	749
Delaware	12	10	21.9%	NM	1	9	8	NM	0	NM	1
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	385	397	-3.0%	41	24	174	213	NM	2	168	157
Georgia	355	333	6.4%	NM	0	62	65	NM	2	289	267
Maryland	80	76	4.6%	NM	1	68	62	NM	2	9	11
North Carolina	364	288	26.5%	NM	1	253	197	14	17	96	73
South Carolina	194	213	-8.9%	35	40	28	33	0	0	131	140
Virginia	332	302	9.9%	114	94	84	91	20	18	114	98
West Virginia	71	67	5.4%	0	0	71	67	0	0	0	0
East South Central	519	449	15.6%	7	6	36	31	NM	0	476	411
Alabama	272	230	18.1%	NM	0	18	18	0	0	253	212
Kentucky	20	10	102.5%	7	6	NM	0	0	0	13	3
Mississippi	129	125	3.8%	0	0	NM	1	0	0	129	124
Tennessee	98	85	16.2%	0	0	17	12	NM	0	81	72
West South Central	5,235	3,720	40.7%	166	144	4,632	3,135	NM	5	431	436
Arkansas	107	107	0.0%	0	0	6	4	NM	0	101	103
Louisiana	234	233	0.2%	0	0	7	6	0	0	227	227
Oklahoma	1,322	905	46.1%	131	120	1,166	757	0	0	25	28
Texas	3,572	2,474	44.3%	35	25	3,452	2,367	NM	4	79	78
Mountain	2,268	2,085	8.8%	237	209	1,981	1,831	12	7	37	38
Arizona	351	336	4.6%	46	43	304	291	2	2	0	0
Colorado	504	548	-8.1%	10	10	493	537	2	1	NM	0
Idaho	247	254	-2.6%	14	13	197	204	0	1	36	36
Montana	142	109	29.7%	16	15	125	93	0	0	NM	1
Nevada	447	342	30.6%	0	0	438	338	8	3	NM	0
New Mexico	199	192	3.7%	13	12	186	181	NM	0	0	0
Utah	119	85	39.6%	23	22	96	63	0	0	0	0
Wyoming	258	218	18.4%	116	95	142	123	0	0	0	0
Pacific Contiguous	5,004	4,985	0.4%	605	607	4,095	4,060	90	93	213	225
California	3,669	3,642	0.8%	166	209	3,349	3,280	87	90	67	63
Oregon	626	668	-6.2%	109	113	476	493	NM	2	39	60
Washington	708	675	4.9%	331	285	269	287	NM	2	107	102
Pacific Noncontiguous	127	99	28.4%	18	8	81	57	21	21	6	12
Alaska	14	14	-0.7%	7	6	3	3	4	5	0	1
Hawaii	113	85	33.3%	12	2	78	54	17	16	6	12
U.S. Total	22,706	19,893	14.1%	2,863	2,402	17,210	14,937	283	278	2,351	2,276

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

Table 1.11.B. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	7,818	7,304	7.0%	647	654	5,984	5,198	151	144	1,035	1,308
Connecticut	611	558	9.4%	0	0	602	543	9	16	0	0
Maine	3,249	3,317	-2.1%	0	0	2,135	1,942	81	69	1,033	1,305
Massachusetts	1,592	1,279	24.5%	57	54	1,509	1,201	24	23	NM	2
New Hampshire	1,561	1,409	10.8%	235	252	1,295	1,128	30	28	0	0
Rhode Island	184	168	9.2%	0	0	178	163	NM	5	0	0
Vermont	621	572	8.6%	355	348	264	221	NM	2	0	0
Middle Atlantic	10,283	10,162	1.2%	269	242	8,832	8,758	559	495	623	666
New Jersey	1,387	1,175	18.1%	77	34	1,045	927	264	213	NM	1
New York	4,650	4,649	0.0%	192	208	4,100	4,087	176	156	181	198
Pennsylvania	4,246	4,338	-2.1%	0	0	3,686	3,745	119	126	441	467
East North Central	19,669	18,999	3.5%	2,517	2,122	15,667	15,348	195	199	1,290	1,331
Illinois	7,357	7,647	-3.8%	10	10	7,345	7,635	NM	3	0	0
Indiana	3,323	2,669	24.5%	233	229	3,025	2,373	16	16	49	51
Michigan	5,186	4,744	9.3%	1,335	872	3,171	3,164	156	143	523	565
Ohio	1,456	1,531	-4.9%	26	21	1,162	1,220	3	8	264	283
Wisconsin	2,347	2,409	-2.5%	912	990	964	956	17	29	455	433
West North Central	38,180	36,971	3.3%	12,144	10,730	25,475	25,647	90	119	471	476
Iowa	12,498	11,606	7.7%	7,302	6,276	5,106	5,228	23	26	67	76
Kansas	7,799	8,177	-4.6%	638	679	7,160	7,502	0	0	NM	-4
Minnesota	8,230	8,234	0.0%	1,636	1,650	6,166	6,133	31	51	397	399
Missouri	796	909	-12.4%	35	36	735	842	24	29	NM	3
Nebraska	2,330	1,837	26.8%	198	191	2,121	1,633	11	13	0	0
North Dakota	4,721	4,531	4.2%	1,845	1,412	2,873	3,116	0	0	NM	2
South Dakota	1,805	1,678	7.6%	490	485	1,315	1,193	0	0	0	0
South Atlantic	17,094	16,033	6.6%	1,636	1,394	7,603	6,924	373	381	7,482	7,334
Delaware	110	100	10.5%	6	5	86	77	5	5	13	13
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,827	3,813	0.4%	293	217	2,034	2,138	21	26	1,480	1,433
Georgia	3,372	3,174	6.2%	11	0	582	561	23	21	2,756	2,592
Maryland	799	721	10.9%	8	7	687	590	23	19	81	104
North Carolina	3,153	2,549	23.7%	6	5	2,134	1,545	128	135	884	864
South Carolina	1,736	1,882	-7.8%	332	347	271	240	0	0	1,132	1,295
Virginia	3,122	2,800	11.5%	978	813	835	778	172	175	1,137	1,034
West Virginia	975	995	-2.1%	0	0	975	995	0	0	0	0
East South Central	4,841	4,458	8.6%	68	74	371	311	3	2	4,398	4,071
Alabama	2,506	2,120	18.2%	NM	1	185	181	0	0	2,319	1,938
Kentucky	333	337	-1.1%	66	72	4	4	0	0	263	261
Mississippi	1,103	1,138	-3.1%	0	1	9	11	0	0	1,094	1,126
Tennessee	899	864	4.1%	0	0	173	116	3	2	723	746
West South Central	46,224	43,600	6.0%	1,379	1,481	40,850	38,045	54	43	3,941	4,031
Arkansas	1,111	1,120	-0.8%	0	0	71	71	4	3	1,036	1,046
Louisiana	2,050	2,092	-2.0%	0	0	65	63	0	0	1,984	2,029
Oklahoma	10,176	9,095	11.9%	1,060	1,252	8,888	7,605	0	0	228	237
Texas	32,887	31,293	5.1%	319	229	31,825	30,306	50	40	692	719
Mountain	21,953	21,723	1.1%	2,247	2,364	19,315	18,996	99	58	291	306
Arizona	3,277	3,059	7.1%	433	327	2,825	2,713	19	19	0	0
Colorado	5,609	5,566	0.8%	100	128	5,489	5,425	18	10	NM	2
Idaho	2,232	2,595	-14.0%	108	127	1,847	2,173	0	3	277	291
Montana	1,391	1,337	4.1%	153	162	1,228	1,164	0	0	9	10
Nevada	4,084	2,999	36.2%	0	0	4,022	2,974	60	23	NM	2
New Mexico	1,864	2,108	-11.6%	121	74	1,741	2,032	NM	2	0	0
Utah	961	950	1.2%	192	203	769	747	0	0	0	0
Wyoming	2,535	3,110	-18.5%	1,140	1,341	1,394	1,769	0	0	0	0
Pacific Contiguous	49,152	46,755	5.1%	5,883	6,002	40,531	37,948	834	844	1,904	1,961
California	36,475	32,731	11.4%	1,815	1,834	33,327	29,558	804	816	528	522
Oregon	6,086	7,078	-14.0%	1,041	1,185	4,608	5,403	17	15	420	475
Washington	6,591	6,946	-5.1%	3,027	2,983	2,596	2,987	13	12	956	963
Pacific Noncontiguous	1,074	1,060	1.4%	146	99	673	695	185	187	70	79
Alaska	152	159	-4.1%	75	75	35	39	40	40	NM	5
Hawaii	922	901	2.3%	71	24	638	656	146	147	67	74
U.S. Total	216,286	207,065	4.5%	26,936	25,161	165,302	157,870	2,544	2,471	21,504	21,563

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Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	-40	-37	6.5%	0	0	-40	-37	0	0	0	0
Connecticut	0	1	-66.8%	0	0	0	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-40	-38	4.4%	0	0	-40	-38	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	-83	-96	-14.1%	-56	-53	-27	-44	0	0	0	0
New Jersey	-18	-19	-1.1%	-18	-19	0	0	0	0	0	0
New York	-37	-34	9.8%	-37	-34	0	0	0	0	0	0
Pennsylvania	-27	-44	-38.3%	0	0	-27	-44	0	0	0	0
East North Central	-42	-19	122.0%	-42	-19	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-42	-19	122.0%	-42	-19	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	1	-2	-123.4%	1	-2	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	1	-2	-123.4%	1	-2	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-261	-280	-6.9%	-261	-280	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-115	-111	4.1%	-115	-111	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	19	0	--	19	0	0	0	0	0	0	0
South Carolina	-70	-61	15.1%	-70	-61	0	0	0	0	0	0
Virginia	-94	-109	-13.2%	-94	-109	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-75	-62	21.3%	-75	-62	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-75	-62	21.3%	-75	-62	0	0	0	0	0	0
West South Central	-9	-5	95.9%	-9	-5	0	0	0	0	0	0
Arkansas	1	3	-46.1%	1	3	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-11	-7	45.2%	-11	-7	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-17	-33	-48.9%	-17	-33	0	0	0	0	0	0
Arizona	6	-5	-239.9%	6	-5	0	0	0	0	0	0
Colorado	-23	-29	-18.3%	-23	-29	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1	-7	-115.3%	1	-7	0	0	0	0	0	0
California	1	-6	-121.6%	1	-6	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	7.8%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-526	-542	-3.0%	-459	-461	-67	-81	0	0	0	0

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

Table 1.12.B. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	-372	-341	9.0%	0	0	-372	-341	0	0	0	0
Connecticut	-4	0	NM	0	0	-4	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-367	-341	7.6%	0	0	-367	-341	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	-860	-978	-12.0%	-460	-547	-400	-431	0	0	0	0
New Jersey	-145	-166	-12.9%	-145	-166	0	0	0	0	0	0
New York	-315	-380	-17.2%	-315	-380	0	0	0	0	0	0
Pennsylvania	-400	-431	-7.2%	0	0	-400	-431	0	0	0	0
East North Central	-377	-563	-33.1%	-377	-563	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-377	-563	-33.1%	-377	-563	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	282	-10	NM	282	-10	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	282	-10	NM	282	-10	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-2,195	-2,218	-1.0%	-2,195	-2,218	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-731	-497	47.1%	-731	-497	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	169	0	--	169	0	0	0	0	0	0	0
South Carolina	-782	-674	16.0%	-782	-674	0	0	0	0	0	0
Virginia	-851	-1,047	-18.7%	-851	-1,047	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-457	-376	21.6%	-457	-376	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-457	-376	21.6%	-457	-376	0	0	0	0	0	0
West South Central	-30	-24	25.9%	-30	-24	0	0	0	0	0	0
Arkansas	28	65	-57.1%	28	65	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-58	-90	-34.7%	-58	-90	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-140	-124	12.9%	-140	-124	0	0	0	0	0	0
Arizona	72	35	107.8%	72	35	0	0	0	0	0	0
Colorado	-212	-158	33.7%	-212	-158	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	174	-82	-312.9%	174	-82	0	0	0	0	0	0
California	141	-78	-282.0%	141	-78	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	32	-4	-913.2%	32	-4	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-3,974	-4,715	-15.7%	-3,202	-3,943	-772	-772	0	0	0	0

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

Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	158	170	-6.6%	0	0	139	146	NM	9	11	14
Connecticut	46	50	-8.2%	0	0	46	49	0	2	0	0
Maine	33	42	-20.4%	0	0	14	20	NM	8	11	14
Massachusetts	75	74	0.6%	0	0	75	74	0	0	0	0
New Hampshire	4	3	29.1%	0	0	4	3	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	201	215	-6.2%	0	2	161	164	41	40	0	9
New Jersey	45	54	-16.9%	0	0	33	33	12	13	0	9
New York	79	82	-3.4%	0	2	60	61	19	18	0	0
Pennsylvania	77	79	-1.8%	0	0	68	70	9	9	0	0
East North Central	107	103	3.8%	3	2	11	9	23	22	70	70
Illinois	25	25	0.9%	0	0	0	0	0	0	25	25
Indiana	41	43	-4.9%	0	0	0	0	NM	2	39	41
Michigan	35	32	9.4%	NM	0	11	10	21	20	2	2
Ohio	0	-1	-133.4%	0	0	0	-1	0	0	0	0
Wisconsin	6	4	34.3%	2	2	0	0	0	0	NM	2
West North Central	43	36	21.1%	23	19	11	11	NM	1	NM	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	0	NM	0	0	0	0	0	0	NM	0
Minnesota	35	32	9.9%	15	15	11	11	NM	1	NM	5
Missouri	6	1	352.4%	6	1	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	2	NM	NM	2	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	357	367	-2.8%	18	0	168	181	18	17	153	170
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	250	226	10.6%	18	0	99	98	0	0	133	128
Georgia	16	6	157.9%	0	0	0	0	0	0	16	6
Maryland	28	27	3.0%	0	0	28	27	NM	0	0	0
North Carolina	28	67	-58.3%	0	0	28	33	0	0	0	34
South Carolina	4	2	51.1%	0	0	NM	0	0	0	3	2
Virginia	31	38	-19.9%	0	0	12	22	18	16	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6	10	-44.4%	3	8	0	0	0	0	2	2
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	3	8	-59.5%	3	8	0	0	0	0	0	0
Mississippi	NM	1	NM	0	0	0	0	0	0	NM	1
Tennessee	2	1	76.1%	0	0	0	0	0	0	2	1
West South Central	94	98	-4.1%	0	0	NM	2	0	0	93	96
Arkansas	1	1	13.7%	0	0	0	0	0	0	1	1
Louisiana	32	46	-29.4%	0	0	0	0	0	0	32	46
Oklahoma	NM	0	NM	0	0	0	0	0	0	NM	0
Texas	60	52	15.3%	0	0	NM	2	0	0	58	50
Mountain	48	37	30.1%	NM	1	28	20	0	0	19	15
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	NM	3	NM	0	0	0	0	0	0	NM	3
Idaho	0	5	-100.0%	0	0	0	0	0	0	0	5
Montana	28	20	38.6%	0	0	28	20	0	0	0	0
Nevada	NM	1	NM	NM	1	0	0	0	0	0	0
New Mexico	0	0	-100.0%	0	0	0	0	0	0	0	0
Utah	16	2	934.4%	0	0	NM	0	0	0	15	1
Wyoming	0	6	-100.0%	0	0	0	0	0	0	0	6
Pacific Contiguous	88	91	-3.4%	0	0	27	27	0	0	61	64
California	78	78	0.4%	0	0	18	18	0	0	61	60
Oregon	NM	4	NM	0	0	NM	4	0	0	0	0
Washington	6	10	-39.3%	0	0	6	6	0	0	0	4
Pacific Noncontiguous	17	33	-48.4%	0	17	1	1	16	15	0	0
Alaska	0	0	-100.0%	0	0	0	0	0	0	0	0
Hawaii	17	33	-48.7%	0	17	1	1	16	15	0	0
U.S. Total	1,119	1,159	-3.5%	49	50	547	562	110	104	413	444

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

Table 1.13.B. Utility Scale Facility Net Generation from Other Energy Sources

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	1,411	1,435	-1.6%	0	0	1,227	1,263	77	78	107	94
Connecticut	425	452	-6.0%	0	0	418	439	7	14	0	0
Maine	293	293	-0.1%	0	0	116	135	70	64	107	94
Massachusetts	654	652	0.2%	0	0	654	652	0	0	0	0
New Hampshire	39	37	6.3%	0	0	39	37	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,782	1,825	-2.4%	9	25	1,425	1,395	347	329	0	75
New Jersey	384	469	-18.1%	0	0	276	288	109	106	0	75
New York	698	687	1.5%	9	25	528	518	161	144	0	0
Pennsylvania	699	668	4.7%	0	0	622	589	78	79	0	0
East North Central	886	856	3.4%	40	74	124	105	161	145	561	532
Illinois	204	223	-8.4%	0	0	0	0	0	0	204	223
Indiana	311	285	9.1%	0	29	0	0	14	14	297	242
Michigan	296	303	-2.6%	18	25	115	113	147	131	16	34
Ohio	14	-2	-721.2%	0	0	9	-8	0	0	5	6
Wisconsin	61	47	28.8%	21	20	0	0	0	0	39	27
West North Central	375	347	8.1%	199	177	105	99	26	26	46	45
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	NM	0	NM	0	0	0	0	0	0	NM	0
Minnesota	306	299	2.2%	131	129	105	99	26	26	44	45
Missouri	46	24	88.8%	46	24	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	22	24	-8.2%	22	24	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,182	3,353	-5.1%	62	0	1,656	1,663	156	159	1,309	1,531
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,249	2,189	2.7%	62	0	975	978	0	0	1,213	1,212
Georgia	61	59	3.2%	0	0	0	0	0	0	61	59
Maryland	237	238	-0.4%	0	0	236	237	NM	0	0	0
North Carolina	255	459	-44.4%	0	0	255	228	0	0	0	231
South Carolina	40	32	25.3%	0	0	NM	3	0	0	35	28
Virginia	340	376	-9.5%	0	0	185	217	155	159	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	52	33	58.0%	33	21	0	0	0	0	19	12
Alabama	0	NM	NM	0	0	0	0	0	0	0	NM
Kentucky	33	21	59.7%	33	21	0	0	0	0	0	0
Mississippi	NM	3	NM	0	0	0	0	0	0	NM	3
Tennessee	15	8	82.8%	0	0	0	0	0	0	15	8
West South Central	917	563	63.0%	0	0	11	5	0	0	906	558
Arkansas	9	10	-4.4%	0	0	0	0	0	0	9	10
Louisiana	324	401	-19.1%	0	0	0	0	0	0	324	401
Oklahoma	13	-2	-824.6%	0	0	0	0	0	0	13	-2
Texas	571	154	271.4%	0	0	11	5	0	0	560	149
Mountain	333	458	-27.2%	11	12	239	187	0	0	83	259
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	32	36	-11.7%	0	0	NM	3	0	0	29	32
Idaho	0	57	-100.0%	0	0	0	0	0	0	0	57
Montana	233	181	29.1%	0	0	233	181	0	0	0	0
Nevada	11	11	-6.1%	11	11	0	0	0	0	0	0
New Mexico	NM	1	NM	NM	1	0	0	0	0	0	0
Utah	57	117	-51.5%	0	0	NM	3	0	0	54	114
Wyoming	0	55	-100.0%	0	0	0	0	0	0	0	55
Pacific Contiguous	791	790	0.1%	NM	-1	244	243	0	0	546	548
California	664	663	0.2%	NM	-1	156	162	0	0	507	502
Oregon	34	32	9.0%	0	0	34	32	0	0	0	0
Washington	93	96	-3.2%	0	0	54	49	0	0	39	47
Pacific Noncontiguous	146	301	-51.4%	NM	156	5	5	140	141	0	0
Alaska	NM	-2	NM	NM	-2	0	0	0	0	0	0
Hawaii	145	303	-52.3%	0	157	5	5	140	141	0	0
U.S. Total	9,876	9,961	-0.8%	357	463	5,036	4,965	906	879	3,577	3,654

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

Table 1.14.A. Utility Scale Facility Net Generation from Wind by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	129	147	-12.4%	13	18	113	127	NM	2	NM	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	77	82	-6.1%	0	0	77	82	0	0	0	0
Massachusetts	14	13	2.7%	4	4	8	8	NM	1	NM	0
New Hampshire	22	28	-20.8%	0	0	22	28	0	0	0	0
Rhode Island	NM	1	NM	0	0	NM	0	NM	1	0	0
Vermont	15	23	-34.4%	9	15	6	9	0	0	0	0
Middle Atlantic	349	419	-16.7%	0	0	349	419	0	0	NM	0
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	190	239	-20.7%	0	0	190	239	0	0	NM	0
Pennsylvania	158	178	-11.4%	0	0	158	178	0	0	0	0
East North Central	1,273	974	30.7%	179	142	1,091	830	NM	0	NM	2
Illinois	628	458	37.2%	NM	1	627	457	NM	0	0	0
Indiana	214	158	35.6%	0	0	214	158	NM	0	0	0
Michigan	279	231	20.7%	119	84	160	147	0	0	0	0
Ohio	57	36	57.4%	NM	0	54	35	0	0	NM	1
Wisconsin	94	91	3.9%	58	58	36	33	0	0	NM	0
West North Central	4,053	3,394	19.4%	1,296	935	2,755	2,457	NM	2	0	0
Iowa	1,330	976	36.3%	824	529	505	447	NM	0	0	0
Kansas	988	845	16.9%	77	74	911	771	0	0	0	0
Minnesota	672	641	4.7%	131	123	539	516	NM	2	0	0
Missouri	86	60	42.9%	0	0	86	60	0	0	0	0
Nebraska	271	226	20.1%	17	21	254	205	0	0	0	0
North Dakota	502	462	8.9%	198	134	304	328	0	0	0	0
South Dakota	204	185	10.6%	48	54	156	131	0	0	0	0
South Atlantic	90	85	6.5%	0	0	90	84	NM	0	0	0
Delaware	NM	0	NM	0	0	0	0	NM	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	19	17	10.4%	0	0	19	17	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	71	67	5.3%	0	0	71	67	0	0	0	0
East South Central	1	2	-35.1%	0	0	1	2	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	2	-35.1%	0	0	1	2	0	0	0	0
West South Central	4,678	3,195	46.4%	160	144	4,516	3,048	NM	2	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1,296	875	48.1%	131	120	1,165	756	0	0	0	0
Texas	3,382	2,320	45.8%	28	25	3,351	2,292	NM	2	0	0
Mountain	1,319	1,251	5.5%	155	132	1,164	1,118	NM	0	NM	0
Arizona	31	23	30.4%	0	0	31	23	0	0	0	0
Colorado	468	517	-9.3%	10	10	459	506	0	0	NM	0
Idaho	186	192	-3.5%	13	12	172	180	0	0	0	0
Montana	140	108	30.2%	16	15	125	93	0	0	0	0
Nevada	30	21	40.1%	0	0	30	21	0	0	0	0
New Mexico	142	134	6.6%	0	0	142	133	NM	0	0	0
Utah	64	37	69.8%	0	0	64	37	0	0	0	0
Wyoming	258	218	18.4%	116	95	142	123	0	0	0	0
Pacific Contiguous	1,903	2,012	-5.4%	442	428	1,461	1,584	NM	0	NM	0
California	820	953	-14.0%	43	81	776	872	NM	0	NM	0
Oregon	529	542	-2.4%	103	106	426	436	0	0	0	0
Washington	554	517	7.3%	295	241	259	275	0	0	0	0
Pacific Noncontiguous	63	42	50.1%	7	6	56	36	0	0	0	0
Alaska	10	9	8.5%	7	6	3	3	0	0	0	0
Hawaii	53	33	61.6%	0	0	53	33	0	0	0	0
U.S. Total	13,859	11,520	20.3%	2,251	1,806	11,596	9,704	NM	8	NM	2

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

Table 1.14.B. Utility Scale Facility Net Generation from Wind

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	1,542	1,465	5.3%	191	180	1,324	1,259	25	23	NM	2
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	846	773	9.5%	0	0	846	773	0	0	0	0
Massachusetts	152	163	-6.9%	41	45	89	98	19	18	NM	2
New Hampshire	300	300	-0.2%	0	0	300	300	0	0	0	0
Rhode Island	10	7	44.7%	0	0	NM	2	NM	5	0	0
Vermont	234	221	5.8%	150	135	85	86	0	0	0	0
Middle Atlantic	5,081	5,253	-3.3%	0	0	5,079	5,252	0	0	NM	2
New Jersey	15	16	-2.7%	0	0	15	16	0	0	0	0
New York	2,754	2,804	-1.8%	0	0	2,752	2,802	0	0	NM	2
Pennsylvania	2,312	2,434	-5.0%	0	0	2,312	2,434	0	0	0	0
East North Central	14,892	14,057	5.9%	2,062	1,636	12,798	12,388	NM	3	28	30
Illinois	6,886	7,128	-3.4%	10	10	6,873	7,116	NM	3	0	0
Indiana	2,865	2,298	24.7%	0	0	2,864	2,297	NM	1	0	0
Michigan	3,238	2,650	22.2%	1,335	872	1,903	1,778	0	0	0	0
Ohio	790	807	-2.1%	10	10	756	772	0	0	23	24
Wisconsin	1,114	1,175	-5.2%	708	745	401	425	0	0	NM	5
West North Central	36,436	35,243	3.4%	11,767	10,372	24,647	24,847	22	24	0	0
Iowa	12,303	11,394	8.0%	7,282	6,257	5,019	5,134	NM	2	0	0
Kansas	7,748	8,125	-4.6%	638	679	7,111	7,446	0	0	0	0
Minnesota	6,877	6,915	-0.6%	1,349	1,383	5,508	5,510	20	22	0	0
Missouri	701	815	-14.0%	0	0	701	815	0	0	0	0
Nebraska	2,284	1,788	27.8%	164	155	2,121	1,633	0	0	0	0
North Dakota	4,717	4,529	4.2%	1,845	1,412	2,873	3,116	0	0	0	0
South Dakota	1,805	1,678	7.6%	490	485	1,315	1,193	0	0	0	0
South Atlantic	1,258	1,204	4.5%	0	0	1,255	1,201	NM	3	0	0
Delaware	NM	3	NM	0	0	0	0	NM	3	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	283	209	35.9%	0	0	283	209	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	971	992	-2.1%	0	0	971	992	0	0	0	0
East South Central	29	35	-16.7%	0	0	29	35	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	29	35	-16.7%	0	0	29	35	0	0	0	0
West South Central	41,165	38,554	6.8%	1,273	1,481	39,868	37,061	24	13	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	9,936	8,846	12.3%	1,060	1,252	8,877	7,594	0	0	0	0
Texas	31,228	29,708	5.1%	213	229	30,991	29,466	24	13	0	0
Mountain	13,257	14,600	-9.2%	1,495	1,750	11,753	12,845	NM	3	NM	2
Arizona	304	365	-16.7%	0	0	304	365	0	0	0	0
Colorado	5,287	5,265	0.4%	100	125	5,181	5,137	NM	0	NM	2
Idaho	1,720	2,080	-17.3%	102	121	1,618	1,959	0	0	0	0
Montana	1,381	1,327	4.1%	153	162	1,228	1,164	0	0	0	0
Nevada	230	218	5.3%	0	0	230	218	0	0	0	0
New Mexico	1,324	1,721	-23.0%	0	0	1,322	1,719	NM	2	0	0
Utah	477	514	-7.3%	0	0	477	514	0	0	0	0
Wyoming	2,535	3,110	-18.5%	1,140	1,341	1,394	1,769	0	0	0	0
Pacific Contiguous	20,315	22,614	-10.2%	4,314	4,556	15,994	18,054	NM	2	NM	1
California	9,986	10,963	-8.9%	616	738	9,362	10,221	NM	2	NM	1
Oregon	5,121	6,073	-15.7%	987	1,133	4,135	4,940	0	0	0	0
Washington	5,208	5,577	-6.6%	2,711	2,685	2,497	2,892	0	0	0	0
Pacific Noncontiguous	542	544	-0.4%	75	75	467	469	0	0	0	0
Alaska	110	114	-3.4%	75	75	35	39	0	0	0	0
Hawaii	432	430	0.4%	0	0	432	430	0	0	0	0
U.S. Total	134,518	133,569	0.7%	21,176	20,050	113,215	113,410	87	72	39	37

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

Table 1.15.A. Utility Scale Facility Net Generation from Biomass by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	615	608	1.2%	39	55	462	408	13	13	101	132
Connecticut	70	60	17.5%	0	0	70	58	0	2	0	0
Maine	267	271	-1.6%	0	0	157	131	10	8	101	132
Massachusetts	99	102	-2.9%	0	0	99	102	0	NM	0	0
New Hampshire	139	130	6.9%	25	31	110	97	4	3	0	0
Rhode Island	13	14	-11.1%	0	0	13	14	0	0	0	0
Vermont	27	30	-11.4%	14	24	NM	6	NM	0	0	0
Middle Atlantic	476	504	-5.5%	9	27	347	359	47	48	73	70
New Jersey	81	87	-7.8%	0	0	66	72	14	15	0	0
New York	192	204	-5.8%	9	27	140	139	20	19	23	19
Pennsylvania	203	212	-4.2%	0	0	141	147	12	14	50	51
East North Central	478	494	-3.2%	43	40	271	292	24	27	140	135
Illinois	43	39	10.3%	0	0	42	39	0	0	0	0
Indiana	31	35	-10.1%	24	27	NM	0	NM	2	5	6
Michigan	212	236	-10.0%	NM	0	130	160	22	21	60	55
Ohio	63	67	-5.7%	NM	0	38	38	0	1	24	28
Wisconsin	128	117	9.4%	19	13	60	56	0	3	50	45
West North Central	194	202	-4.0%	42	43	85	87	6	6	60	65
Iowa	20	23	-13.1%	NM	2	9	10	NM	3	7	8
Kansas	5	0	NM	0	0	5	0	0	0	0	0
Minnesota	155	164	-5.4%	33	33	69	74	NM	0	53	57
Missouri	8	9	-5.6%	4	4	NM	3	3	2	NM	0
Nebraska	5	5	-6.2%	4	4	0	0	NM	1	0	0
North Dakota	0	0	-100.0%	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,486	1,490	-0.3%	177	142	466	565	33	34	809	749
Delaware	6	5	14.8%	0	0	5	4	0	0	NM	1
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	364	376	-3.1%	28	8	166	208	NM	2	168	157
Georgia	343	325	5.6%	0	0	51	56	NM	2	289	267
Maryland	47	49	-4.7%	0	0	36	36	NM	2	9	11
North Carolina	199	220	-9.4%	0	0	96	136	7	10	96	73
South Carolina	194	213	-9.0%	35	40	28	33	0	0	131	140
Virginia	332	302	9.9%	114	94	84	91	20	18	114	98
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	509	445	14.4%	7	6	26	27	0	0	476	411
Alabama	272	230	18.1%	NM	0	18	18	0	0	253	212
Kentucky	20	10	102.5%	7	6	NM	0	0	0	13	3
Mississippi	129	125	3.8%	0	0	NM	1	0	0	129	124
Tennessee	88	80	9.3%	0	0	7	8	0	0	81	72
West South Central	515	491	5.0%	7	0	75	53	NM	2	431	436
Arkansas	107	107	0.0%	0	0	6	4	NM	0	101	103
Louisiana	234	233	0.2%	0	0	7	6	0	0	227	227
Oklahoma	26	30	-12.7%	0	0	NM	1	0	0	25	28
Texas	148	120	23.3%	7	0	61	41	NM	2	79	78
Mountain	93	96	-2.7%	NM	2	54	55	0	1	37	38
Arizona	20	21	-4.9%	NM	2	18	19	0	0	0	0
Colorado	NM	10	NM	0	0	NM	10	0	0	0	0
Idaho	54	55	-2.2%	NM	1	17	17	0	1	36	36
Montana	NM	1	NM	0	0	0	0	0	0	NM	1
Nevada	NM	2	NM	0	0	NM	2	0	0	0	0
New Mexico	NM	1	NM	0	0	NM	1	0	0	0	0
Utah	6	6	-4.4%	0	0	6	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	804	872	-7.7%	53	64	460	500	78	83	212	224
California	569	602	-5.6%	13	14	415	446	75	80	66	62
Oregon	82	110	-26.0%	5	6	35	42	NM	2	39	60
Washington	154	159	-2.9%	35	44	10	12	NM	2	107	102
Pacific Noncontiguous	34	33	3.4%	7	0	0	0	21	21	6	12
Alaska	4	5	-16.7%	0	0	0	0	4	5	0	1
Hawaii	30	28	7.2%	7	0	0	0	17	16	6	12
U.S. Total	5,205	5,234	-0.6%	387	380	2,247	2,347	225	235	2,345	2,273

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

Table 1.15.B. Utility Scale Facility Net Generation from Biomass

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	5,657	5,581	1.4%	441	466	4,062	3,693	122	116	1,033	1,305
Connecticut	593	550	7.9%	0	0	585	534	9	16	0	0
Maine	2,403	2,544	-5.6%	0	0	1,289	1,169	81	69	1,033	1,305
Massachusetts	904	891	1.4%	0	0	903	890	NM	NM	0	0
New Hampshire	1,261	1,109	13.7%	235	252	995	828	30	28	0	0
Rhode Island	163	153	5.9%	0	0	163	153	0	0	0	0
Vermont	334	334	0.2%	205	214	127	118	NM	2	0	0
Middle Atlantic	4,401	4,376	0.6%	192	208	3,182	3,107	416	404	611	657
New Jersey	719	736	-2.3%	0	0	591	611	128	125	0	0
New York	1,815	1,787	1.6%	192	208	1,271	1,227	174	156	178	196
Pennsylvania	1,866	1,853	0.7%	0	0	1,320	1,269	114	123	433	461
East North Central	4,500	4,784	-5.9%	436	478	2,617	2,812	188	193	1,259	1,301
Illinois	422	480	-12.2%	0	0	422	480	0	0	0	0
Indiana	293	294	-0.4%	225	228	4	0	15	15	49	51
Michigan	1,947	2,094	-7.0%	NM	0	1,268	1,386	156	143	523	565
Ohio	606	683	-11.3%	7	4	361	415	0	5	238	258
Wisconsin	1,232	1,233	0.0%	204	245	562	530	17	29	450	428
West North Central	1,721	1,720	0.1%	377	358	806	792	67	94	471	476
Iowa	195	212	-8.0%	20	19	87	94	21	24	67	76
Kansas	49	53	-6.6%	0	0	47	56	0	0	NM	-4
Minnesota	1,351	1,316	2.6%	288	267	655	621	11	29	397	399
Missouri	77	88	-12.6%	35	36	16	21	24	29	NM	3
Nebraska	45	49	-7.0%	34	36	0	0	11	13	0	0
North Dakota	NM	2	NM	0	0	0	0	0	0	NM	2
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	13,983	13,891	0.7%	1,455	1,234	4,757	5,012	289	310	7,482	7,334
Delaware	57	58	-1.0%	0	0	44	45	0	0	13	13
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,619	3,630	-0.3%	145	74	1,976	2,099	19	24	1,480	1,433
Georgia	3,260	3,081	5.8%	0	0	483	470	20	19	2,756	2,592
Maryland	407	430	-5.2%	0	0	308	309	19	16	81	104
North Carolina	1,782	2,011	-11.4%	0	0	841	1,071	58	76	884	864
South Carolina	1,731	1,878	-7.8%	332	347	267	236	0	0	1,132	1,295
Virginia	3,122	2,800	11.5%	978	813	835	778	172	175	1,137	1,034
West Virginia	4	4	0.1%	0	0	4	4	0	0	0	0
East South Central	4,727	4,406	7.3%	68	74	260	261	0	0	4,398	4,071
Alabama	2,506	2,120	18.2%	NM	1	185	181	0	0	2,319	1,938
Kentucky	333	337	-1.1%	66	72	4	4	0	0	263	261
Mississippi	1,103	1,138	-3.1%	0	1	9	11	0	0	1,094	1,126
Tennessee	785	812	-3.2%	0	0	62	65	0	0	723	746
West South Central	4,734	4,843	-2.2%	107	0	659	783	28	29	3,941	4,031
Arkansas	1,111	1,120	-0.8%	0	0	71	71	4	3	1,036	1,046
Louisiana	2,050	2,092	-2.0%	0	0	65	63	0	0	1,984	2,029
Oklahoma	239	249	-3.8%	0	0	12	11	0	0	228	237
Texas	1,335	1,382	-3.4%	107	0	512	638	24	26	692	719
Mountain	802	819	-2.1%	21	25	495	490	0	3	286	301
Arizona	176	172	2.2%	15	15	161	157	0	0	0	0
Colorado	97	97	-0.5%	0	3	97	94	0	0	0	0
Idaho	439	457	-3.9%	7	6	155	156	0	3	277	291
Montana	9	10	-5.9%	0	0	0	0	0	0	9	10
Nevada	18	18	-1.5%	0	0	18	18	0	0	0	0
New Mexico	10	11	-4.0%	0	0	10	11	0	0	0	0
Utah	53	55	-2.8%	0	0	53	55	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	7,409	7,434	-0.3%	508	485	4,281	4,218	724	775	1,895	1,956
California	5,207	5,209	0.0%	144	141	3,849	3,803	694	747	519	518
Oregon	818	858	-4.6%	49	47	332	320	17	15	420	475
Washington	1,383	1,368	1.1%	315	297	99	95	13	12	956	963
Pacific Noncontiguous	298	285	4.5%	43	19	0	0	185	187	70	79
Alaska	42	45	-5.9%	0	0	0	0	40	40	NM	5
Hawaii	255	240	6.4%	43	19	0	0	146	147	67	74
U.S. Total	48,232	48,139	0.2%	3,648	3,347	21,120	21,168	2,019	2,112	21,446	21,512

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

Table 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	320	262	21.9%	23	22	297	240	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	NM	6	NM	0	0	NM	6	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	265	213	24.5%	0	0	265	213	0	0	0	0
New Mexico	NM	1	NM	0	0	NM	1	0	0	0	0
Utah	46	42	8.6%	23	22	23	20	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	952	1,027	-7.3%	62	69	890	958	0	0	0	0
California	938	1,014	-7.4%	62	69	877	945	0	0	0	0
Oregon	13	13	3.2%	0	0	13	13	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	21	19	15.9%	0	0	21	19	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	21	19	15.9%	0	0	21	19	0	0	0	0
U.S. Total	1,293	1,308	-1.1%	85	91	1,208	1,217	0	0	0	0

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

Table 1.16.B. Utility Scale Facility Net Generation from Geothermal

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	3,002	2,453	22.4%	192	203	2,810	2,250	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	74	58	26.7%	0	0	74	58	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,503	2,009	24.6%	0	0	2,503	2,009	0	0	0	0
New Mexico	10	6	55.2%	0	0	10	6	0	0	0	0
Utah	416	379	9.8%	192	203	224	176	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	9,468	9,138	3.6%	608	631	8,860	8,507	0	0	0	0
California	9,348	9,009	3.8%	608	631	8,739	8,378	0	0	0	0
Oregon	121	129	-6.6%	0	0	121	129	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	173	203	-14.8%	0	0	173	203	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	173	203	-14.8%	0	0	173	203	0	0	0	0
U.S. Total	12,643	11,794	7.2%	801	834	11,843	10,960	0	0	0	0

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

Table 1.17.A. Net Generation from Solar Photovoltaic by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector						Residential Sector	
								Electric Utilities		Independent Power Producers															
	Estimated Net Generation From Utility Scale Facilities and Distributed Solar Photovoltaic Generation			Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Distributed Solar Photovoltaic Generation	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	161	111	45.0%	68	42	94	69	2	1	65	40	NM	47	NM	0	58	47	4	3	0	0	4	3	32	19
Connecticut	19	11	68.9%	2	1	17	10	0	0	2	1	8	5	0	0	8	5	1	1	0	0	1	1	8	4
Maine	2	1	55.1%	0	0	2	1	0	0	0	0	1	0	0	0	1	0	0	NM	0	0	0	NM	1	1
Massachusetts	124	89	38.8%	59	37	65	53	2	1	56	35	NM	40	NM	0	45	39	3	3	0	0	3	3	17	11
New Hampshire	2	1	79.1%	0	0	2	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
Rhode Island	NM	2	NM	NM	1	1	1	0	0	NM	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Vermont	11	6	89.1%	6	3	6	3	0	0	6	3	2	1	0	0	2	1	0	0	0	0	0	0	4	2
Middle Atlantic	260	206	26.4%	91	61	169	145	9	4	65	46	116	104	16	11	101	93	NM	11	NM	1	11	10	58	42
New Jersey	176	146	20.7%	74	49	102	97	9	4	50	35	87	80	15	10	72	70	NM	5	NM	0	6	5	24	21
New York	57	36	61.0%	9	6	48	29	0	0	9	6	NM	15	NM	0	20	15	1	0	0	0	1	0	26	14
Pennsylvania	27	24	9.9%	8	6	19	19	0	0	6	5	NM	8	NM	0	8	8	NM	5	NM	1	4	4	7	6
East North Central	50	38	32.1%	32	22	18	15	3	1	28	21	NM	12	NM	0	13	11	NM	1	NM	0	1	1	5	3
Illinois	8	7	12.5%	6	5	2	2	NM	0	5	5	2	1	0	0	2	1	NM	NM	0	0	NM	NM	1	0
Indiana	21	12	67.8%	19	11	1	1	NM	0	17	11	1	1	0	0	1	1	NM	NM	0	0	NM	NM	1	0
Michigan	4	3	7.6%	0	0	4	3	0	0	0	0	3	2	0	0	3	2	0	0	0	0	0	0	1	1
Ohio	15	13	18.1%	7	6	8	7	NM	1	5	4	NM	6	NM	0	6	5	NM	1	NM	0	1	1	1	1
Wisconsin	NM	2	NM	NM	0	3	2	0	0	NM	0	2	2	0	0	2	2	NM	0	0	0	NM	0	1	1
West North Central	23	19	23.5%	3	1	20	17	0	0	3	1	NM	10	NM	0	12	10	0	0	0	0	0	0	8	7
Iowa	4	2	44.9%	0	0	4	2	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	1	1
Kansas	NM	0	NM	NM	0	0	0	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	NM	2	NM	NM	0	2	2	0	0	NM	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Missouri	16	14	17.8%	2	1	14	12	0	0	NM	1	NM	7	NM	0	8	7	0	0	0	0	0	0	5	5
Nebraska	0	0	35.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NM	0	0	0	NM	0	0	0
North Dakota	0	0	-10.2%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	2.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	273	150	82.0%	210	101	63	49	9	7	193	87	48	41	9	7	39	34	2	1	0	0	2	1	22	14
Delaware	11	9	17.6%	5	4	6	5	NM	1	5	4	NM	4	NM	0	4	4	0	0	0	0	0	0	1	1
District of Columbia	2	2	3.6%	0	0	2	2	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	1	1
Florida	26	18	44.7%	13	10	13	8	5	5	8	5	NM	4	NM	0	7	4	0	0	0	0	0	0	6	4
Georgia	19	15	22.0%	12	9	7	7	NM	0	10	8	NM	7	NM	0	6	6	0	0	0	0	0	0	0	0
Maryland	38	28	36.2%	14	10	25	18	NM	1	12	9	NM	12	NM	0	13	12	1	0	0	0	1	0	10	6
North Carolina	173	74	133.0%	165	68	8	6	NM	1	157	61	14	12	8	7	6	5	0	0	0	0	0	0	2	1
South Carolina	NM	1	NM	NM	0	1	0	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia	3	2	36.7%	0	0	3	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
West Virginia	0	0	23.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East South Central	16	9	75.7%	9	2	7	7	0	0	9	2	NM	7	NM	0	7	7	0	0	0	0	0	0	0	0
Alabama	0	0	2.9%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	1	1	10.2%	0	0	1	1	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Mississippi	0	0	0.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NM
Tennessee	14	8	90.0%	9	2	5	5	0	0	9	2	NM	6	NM	0	5	5	0	0	0	0	0	0	0	0
West South Central	73	57	27.9%	41	34	32	23	0	0	41	34	NM	6	NM	0	8	6	0	0	0	0	0	0	23	17
Arkansas	0	0	8.2%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	13	9	42.5%	0	0	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	9
Oklahoma	0	0	23.8%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	59	47	25.3%	41	34	18	13	0	0	41	34	NM	6	NM	0	8	5	0	0	0	0	0	0	10	8
Mountain	637	536	18.8%	463	401	174	135	57	52	395	342	79	68	12	7	67	61	NM	9	NM	0	13	8	94	66
Arizona	336	308	9.0%	238	229	98	80	44	41	192	185	37	36	2	2	35	34	10	7	0	0	10	7	53	39
Colorado	64	54	17.6%	26	22	38	32	0	0	24	21	19	17	2	1	17	16	0	0	0	0	0	0	21	16
Idaho	1	0	56.6%	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montana	1	1	-26.5%	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Nevada	158	101	56.2%	140	93	18	8	0	0	132	90	15	7	8	3	7	4	NM	1	NM	0	1	1	10	3
New Mexico	67	67	-0.4%	55	57	12	10	13	12	42	46	6	6	0	0	6	6	0	0	0	0	0	0	6	4
Utah	11	4	184.5%	5	0	7	4	0	0	5	0	2	2	0	0	2	2	1	0	0	0	1	0	4	2
Wyoming	0	0	16.8%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Contiguous	1,622	1,284	26.4%	1,116	903	507	381	49	46	1,055	847	144	117	12	9	132	108	NM	65	NM	0	80	64	295	208
California	1,603	1,269	26.4%	1,113	901	490	368	48	46	1,053	845	138	112	12	9	126	103	NM	65	NM	0	79	64	285	201
Oregon	13	11	16.4%	3	3	11	9	NM	1	2	2	5	5	0	0	5	5	0	0	0	0	0	0	5	4
Washington	6	4	54.9%	0	0	6	4	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	5	3
Pacific Noncontiguous	62	52	17.7%	9	5	53	47	5	2	4	3	20	19	0	0	20	19	0	0	0	0	0	0	33	28
Alaska	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	62	52	17.7%	9	5	53	47	5	2	4	3	20	19	0	0	20	19	0	0	0	0	0	0	33	28
U.S. Total	3,178	2,463	29.1%	2,042	1,574	1,137	888	133	115	1,857	1,423	507	432	50	35	457	396	112	89	2	2	110	88	570	404

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.17.B. Net Generation from Solar Photovoltaic
by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector						Residential Sector	
								Electric Utilities		Independent Power Producers															
	Estimated Net Generation From Utility Scale Facilities and Distributed Solar Photovoltaic Generation			Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Net Generation From Utility Scale Facilities and Distributed Solar		Generation at Utility Scale Facilities		Estimated Distributed Solar Photovoltaic Generation		Estimated Distributed Solar Photovoltaic Generation	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	1,377	784	75.7%	618	257	759	527	16	8	598	244	492	356	5	4	488	352	32	27	0	0	32	27	239	148
Connecticut	147	90	63.5%	18	9	129	81	0	0	18	9	61	44	0	0	61	44	7	4	0	0	7	4	62	33
Maine	13	9	38.9%	0	0	13	9	0	0	0	0	4	3	0	0	4	3	0	0	0	0	0	0	9	7
Massachusetts	1,083	614	76.3%	537	224	546	391	16	8	516	211	399	291	5	4	394	287	25	22	0	0	25	22	127	81
New Hampshire	16	10	61.5%	0	0	16	10	0	0	0	0	5	3	0	0	5	3	1	1	0	0	1	1	11	6
Rhode Island	21	17	28.2%	11	8	11	9	0	0	11	8	9	8	0	0	9	8	0	0	0	0	0	0	2	1
Vermont	97	44	121.5%	53	17	44	27	0	0	53	17	15	6	0	0	15	6	0	0	0	0	0	0	29	20
Middle Atlantic	2,285	1,819	25.6%	801	532	1,485	1,287	77	34	571	399	1,054	943	143	91	911	852	109	94	10	8	99	87	474	349
New Jersey	1,580	1,312	20.4%	652	423	928	889	77	34	438	300	799	745	136	88	664	657	54	47	NM	1	53	46	212	185
New York	460	285	61.5%	81	58	380	227	0	0	78	58	176	121	NM	0	174	121	7	4	0	0	7	4	199	103
Pennsylvania	245	222	10.3%	68	52	177	171	0	0	54	42	78	77	5	3	73	74	49	43	9	7	40	36	64	61
East North Central	431	290	48.7%	276	158	154	131	19	8	252	148	114	101	3	2	111	99	9	6	NM	0	6	6	37	26
Illinois	70	54	29.6%	50	39	20	15	NM	0	50	39	14	12	0	0	14	12	0	0	0	0	0	0	6	4
Indiana	174	85	106.1%	164	77	10	8	9	1	156	76	6	5	0	0	6	5	0	0	0	0	0	0	4	3
Michigan	32	29	8.8%	0	0	32	29	0	0	0	0	23	22	0	0	23	22	1	1	0	0	1	1	8	7
Ohio	130	101	28.4%	60	41	70	60	10	7	45	32	58	49	3	2	55	47	8	5	NM	0	6	5	10	7
Wisconsin	24	20	18.8%	NM	1	23	19	0	0	NM	1	14	13	0	0	14	13	0	0	0	0	0	0	9	6
West North Central	193	129	49.1%	22	8	171	121	0	0	22	8	101	70	NM	0	101	70	3	1	0	0	3	1	67	50
Iowa	29	16	77.9%	0	0	29	16	0	0	0	0	18	11	0	0	18	11	1	0	0	0	1	0	10	5
Kansas	5	2	137.3%	NM	0	4	2	0	0	NM	0	2	1	0	0	2	1	0	0	0	0	0	0	2	1
Minnesota	23	17	37.2%	3	2	21	15	0	0	3	2	11	8	0	0	11	8	1	1	0	0	1	1	8	6
Missouri	134	93	44.5%	18	6	116	87	0	0	18	6	69	49	NM	0	69	49	1	0	0	0	1	0	47	37
Nebraska	1	1	39.5%	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
North Dakota	0	0	-3.6%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	35.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	2,318	1,299	78.5%	1,758	846	560	453	86	67	1,591	712	447	390	81	67	366	323	14	8	0	0	14	8	180	122
Delaware	101	86	17.4%	49	38	51	47	6	5	41	32	38	36	NM	1	36	35	3	2	0	0	3	2	13	10
District of Columbia	21	20	6.4%	0	0	21	20	0	0	0	0	15	15	0	0	15	15	0	0	0	0	0	0	6	5
Florida	230	167	38.1%	114	90	116	76	54	50	58	39	65	41	NM	1	63	40	2	0	0	0	2	0	51	36
Georgia	180	160	12.9%	113	93	68	67	11	0	99	91	66	65	3	2	63	62	1	1	0	0	1	1	4	3
Maryland	311	246	26.5%	108	82	203	164	8	7	96	72	125	115	4	3	121	112	7	4	0	0	7	4	75	47
North Carolina	1,440	595	142.2%	1,370	538	70	57	6	5	1,293	474	127	108	70	59	56	49	1	0	0	0	1	0	13	7
South Carolina	9	7	42.2%	4	4	5	3	0	0	4	4	1	1	0	0	1	1	0	0	0	0	0	0	4	2
Virginia	22	17	32.2%	0	0	22	17	0	0	0	0	10	9	0	0	10	9	0	0	0	0	0	0	12	8
West Virginia	3	3	22.4%	0	0	3	3	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	2	2
East South Central	148	80	85.8%	85	17	64	62	0	0	82	15	64	63	3	2	61	60	0	0	0	0	0	0	3	2
Alabama	2	2	3.8%	0	0	2	2	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	0	0
Kentucky	11	10	9.5%	0	0	11	10	0	0	0	0	9	9	0	0	9	9	0	0	0	0	0	0	2	1
Mississippi	2	2	-0.1%	0	0	2	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Tennessee	133	65	102.9%	85	17	48	48	0	0	82	15	51	50	3	2	48	48	0	0	0	0	0	0	0	0
West South Central	590	391	50.9%	324	203	266	188	0	0	322	201	75	54	NM	2	73	52	0	0	0	0	0	0	193	136
Arkansas	4	4	10.5%	0	0	4	4	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	2	2
Louisiana	112	76	47.5%	0	0	112	76	0	0	0	0	4	3	0	0	4	3	0	0	0	0	0	0	107	73
Oklahoma	2	2	45.4%	0	0	2	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Texas	472	310	52.3%	324	203	147	107	0	0	322	201	68	48	NM	2	66	46	0	0	0	0	0	0	81	61
Mountain	5,687	4,411	29.0%	4,207	3,260	1,480	1,151	539	386	3,573	2,819	698	600	93	52	605	547	111	64	NM	2	109	62	767	541
Arizona	3,084	2,716	13.5%	2,204	2,032	881	684	418	312	1,767	1,701	345	326	19	19	325	307	92	47	0	0	92	47	464	330
Colorado	543	475	14.4%	226	204	317	271	0	0	212	194	164	146	14	10	150	135	2	2	0	0	2	2	166	134
Idaho	5	3	41.3%	0	0	5	3	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	3	2
Montana	7	9	-27.9%	0	0	7	9	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	5	7
Nevada	1,357	717	89.3%	1,243	651	114	66	0	0	1,181	626	110	60	60	23	50	37	13	12	NM	2	11	10	54	19
New Mexico	625	458	36.3%	520	370	105	88	121	74	399	296	56	51	0	0	56	51	1	1	0	0	1	1	49	37
Utah	64	30	116.0%	15	2	49	28	0	0	15	2	19	14	0	0	19	14	4	3	0	0	4	3	26	12
Wyoming	2	2	14.2%	0	0	2	2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Pacific Contiguous	14,145	9,354	51.2%	10,035	6,290	4,110	3,064	453	329	9,471	5,890	1,196	971	107	67	1,089	904	673	544	4	4	669	540	2,352	1,620
California	13,993	9,240	51.4%	10,008	6,271	3,985	2,970	446	324	9,451	5,877	1,149	930	107	67	1,042	863	670	542	4	4	665	538	2,277	1,568
Oregon	108	85	26.9%	26	18	82	67	6	5	20	13	39	35	0	0	39	35	3	2	0	0	3	2	40	30
Washington	44	29	53.6%	1	1	43	28	1	1	0	0	8	6	0	0	8	6	0	0	0	0	0	0	35	22
Pacific Noncontiguous	528	435	21.4%	61	27	467	408	29	5	32	22	182	171	0	0	182	171	0	0	0	0	0	0	285	237
Alaska	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	528	435	21.4%	61	27	467	408	29	5	32	22	182	171	0	0	182	171	0	0	0	0	0	0	285	237
U.S. Total	27,703	18,991	45.9%	18,188	11,598	9,515	7,393	1,217	838	16,514	10,460	4,423	3,717	437	287	3,986	3,430	951	745	19	13	932	732	4,597	3,231

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated distributed solar photovoltaic generation and distributed solar photovoltaic capacity are based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.18.A. Utility Scale Facility Net Generation from Solar Thermal by State, by Sector, September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	0	0	-100.0%	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	-100.0%	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	7	11	-33.5%	7	11	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7	11	-33.5%	7	11	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	72	75	-4.1%	0	0	72	75	0	0	0	0
Arizona	63	63	-0.4%	0	0	63	63	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	9	12	-23.2%	0	0	9	12	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	229	171	33.7%	0	0	229	171	0	0	0	0
California	229	171	33.7%	0	0	229	171	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	309	258	19.6%	7	11	301	247	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.18.B. Utility Scale Facility Net Generation from Solar Thermal

by State, by Sector, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	Generation at Utility Scale Facilities			Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
Census Division and State	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	0	1	-100.0%	0	0	0	1	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	1	-100.0%	0	0	0	1	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	94	93	1.3%	94	93	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	94	93	1.3%	94	93	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	684	592	15.6%	0	0	684	592	0	0	0	0
Arizona	593	490	21.2%	0	0	593	490	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	91	102	-10.9%	0	0	91	102	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,926	1,279	50.6%	0	0	1,926	1,279	0	0	0	0
California	1,926	1,279	50.6%	0	0	1,926	1,279	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	2,704	1,965	37.6%	94	93	2,610	1,872	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2005-September 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	1,041,448	761,349	272,218	377	7,504
2006	1,030,556	753,390	269,412	347	7,408
2007	1,046,795	764,765	276,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	825,734	615,467	205,295	307	4,665
2013	860,729	638,327	217,219	513	4,670
2014	853,634	624,235	224,568	202	4,629
Year 2013					
January	75,049	55,688	18,919	55	386
February	67,129	49,022	17,700	50	358
March	70,469	52,038	17,979	49	404
April	60,807	45,540	14,852	40	374
May	64,688	48,328	15,922	40	399
June	75,054	56,015	18,605	38	395
July	83,213	61,387	21,360	38	429
August	81,970	61,396	20,127	38	408
Sept	72,723	53,126	19,179	38	380
October	66,348	49,423	16,521	37	367
November	65,959	49,621	15,930	42	366
December	77,319	56,743	20,125	47	404
Year 2014					
January	83,647	61,084	22,129	27	407
February	76,160	55,073	20,699	27	362
March	72,124	51,559	20,147	22	396
April	58,065	41,151	16,541	16	357
May	64,033	47,114	16,521	12	385
June	74,328	55,542	18,365	15	406
July	81,495	60,238	20,821	16	420
August	81,074	60,222	20,422	14	417
Sept	69,127	50,728	17,998	12	389
October	61,129	44,987	15,772	11	359
November	64,651	46,561	17,720	14	356
December	67,799	49,976	17,434	16	373
Year 2015					
January	71,378	51,575	19,435	17	351
February	67,116	48,634	18,119	19	344
March	58,375	43,059	14,935	17	363
April	48,567	36,838	11,440	11	278
May	57,238	43,543	13,361	12	321
June	69,226	51,364	17,476	14	373
July	76,916	57,085	19,420	15	396
August	74,132	54,831	18,883	12	406
Sept	65,088	47,634	17,071	11	372
Year to Date					
2013	651,102	482,539	164,643	386	3,533
2014	660,054	482,711	173,642	161	3,540
2015	588,036	434,564	150,139	129	3,204
Rolling 12 Months Ending in September					
2014	869,681	638,499	226,218	287	4,677
2015	781,615	576,087	201,066	170	4,293

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 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2005-September 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	23,833	0	3,918	1,544	18,371
2006	23,227	0	3,834	1,539	17,854
2007	22,810	0	3,795	1,566	17,449
2008	22,168	0	3,689	1,652	16,827
2009	20,507	0	3,935	1,481	15,091
2010	21,727	0	3,808	1,406	16,513
2011	21,532	0	3,628	1,321	16,584
2012	19,333	0	2,790	1,143	15,400
2013	18,350	0	2,416	843	15,090
2014	18,107	978	1,821	861	14,448
Year 2013					
January	1,699	0	225	94	1,381
February	1,527	0	198	88	1,242
March	1,631	0	203	83	1,345
April	1,442	0	192	59	1,191
May	1,479	0	194	66	1,219
June	1,428	0	197	63	1,168
July	1,527	0	219	63	1,245
August	1,496	0	215	63	1,218
Sept	1,404	0	196	58	1,150
October	1,470	0	164	53	1,253
November	1,599	0	212	70	1,318
December	1,647	0	203	83	1,362
Year 2014					
January	1,773	114	171	105	1,384
February	1,641	97	167	105	1,271
March	1,722	95	199	96	1,332
April	1,425	81	162	66	1,115
May	1,450	81	146	59	1,164
June	1,413	63	153	63	1,134
July	1,466	78	150	70	1,169
August	1,451	70	149	58	1,175
Sept	1,355	70	121	52	1,113
October	1,359	66	122	47	1,123
November	1,480	76	138	68	1,198
December	1,573	86	142	74	1,271
Year 2015					
January	1,632	91	142	79	1,321
February	1,422	85	121	72	1,143
March	1,510	88	132	71	1,220
April	1,349	68	116	53	1,112
May	1,388	76	143	50	1,120
June	1,343	87	145	50	1,061
July	1,460	83	159	53	1,165
August	1,420	72	144	51	1,154
Sept	1,369	73	144	46	1,105
Year to Date					
2013	13,634	0	1,838	637	11,158
2014	13,696	749	1,418	673	10,856
2015	12,894	723	1,247	524	10,401
Rolling 12 Months Ending in September					
2014	18,412	749	1,996	879	14,788
2015	17,305	951	1,650	712	13,992

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 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-September 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	1,065,281	761,349	276,135	1,922	25,875
2006	1,053,783	753,390	273,246	1,886	25,262
2007	1,069,606	764,765	280,377	1,927	22,537
2008	1,064,503	760,326	280,254	2,021	21,902
2009	955,190	695,615	238,012	1,798	19,766
2010	1,001,411	721,431	253,621	1,720	24,638
2011	956,470	689,316	243,168	1,668	22,319
2012	845,066	615,467	208,085	1,450	20,065
2013	879,078	638,327	219,635	1,356	19,761
2014	871,741	625,212	226,389	1,063	19,076
Year 2013					
January	76,748	55,688	19,144	149	1,767
February	68,656	49,022	17,897	137	1,600
March	72,100	52,038	18,182	132	1,748
April	62,249	45,540	15,044	100	1,565
May	66,168	48,328	16,116	105	1,618
June	76,482	56,015	18,802	102	1,563
July	84,740	61,387	21,580	100	1,674
August	83,466	61,396	20,342	102	1,626
Sept	74,127	53,126	19,375	96	1,530
October	67,818	49,423	16,685	91	1,620
November	67,559	49,621	16,142	112	1,683
December	78,966	56,743	20,327	130	1,765
Year 2014					
January	85,420	61,198	22,300	132	1,791
February	77,801	55,170	20,866	131	1,633
March	73,846	51,654	20,346	118	1,729
April	59,489	41,232	16,703	82	1,472
May	65,483	47,195	16,667	72	1,549
June	75,741	55,606	18,518	78	1,540
July	82,961	60,316	20,970	85	1,589
August	82,526	60,292	20,571	72	1,591
Sept	70,482	50,798	18,118	64	1,502
October	62,488	45,053	15,895	58	1,482
November	66,131	46,637	17,858	82	1,554
December	69,372	50,062	17,576	90	1,644
Year 2015					
January	73,010	51,666	19,577	96	1,672
February	68,538	48,719	18,240	91	1,488
March	59,885	43,147	15,067	88	1,583
April	49,916	36,906	11,556	64	1,391
May	58,627	43,619	13,504	62	1,441
June	70,569	51,451	17,621	64	1,433
July	78,376	57,168	19,579	68	1,561
August	75,553	54,903	19,027	63	1,560
Sept	66,457	47,707	17,215	58	1,477
Year to Date					
2013	664,735	482,539	166,481	1,024	14,692
2014	673,750	483,461	175,060	833	14,396
2015	600,930	435,286	151,386	653	13,605
Rolling 12 Months Ending in September					
2014	888,093	639,248	228,214	1,166	19,465
2015	798,921	577,038	202,716	882	18,285

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 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2005-September 2015 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	165,137	98,223	62,154	580	4,180
2006	73,821	53,529	17,179	327	2,786
2007	82,433	56,910	22,793	250	2,480
2008	53,846	38,995	13,152	160	1,538
2009	43,562	31,847	9,880	184	1,652
2010	40,103	30,806	8,278	164	855
2011	27,326	20,844	5,633	133	716
2012	22,604	17,521	4,110	272	702
2013	23,231	16,827	5,494	328	582
2014	31,531	19,652	10,689	451	739
Year 2013					
January	2,962	1,809	1,036	47	69
February	1,890	1,279	526	35	51
March	1,639	1,334	232	24	50
April	1,685	1,335	282	24	43
May	1,789	1,419	294	20	55
June	1,699	1,321	319	18	41
July	2,546	1,732	740	31	43
August	1,776	1,402	306	26	41
Sept	1,591	1,170	361	19	40
October	1,581	1,247	270	21	44
November	1,657	1,305	282	24	46
December	2,416	1,473	848	38	57
Year 2014					
January	10,190	4,468	5,487	112	122
February	3,117	1,879	1,099	58	81
March	3,476	1,917	1,443	43	72
April	1,556	1,283	200	31	42
May	1,647	1,296	274	22	56
June	1,502	1,179	246	27	50
July	1,696	1,308	311	24	53
August	1,751	1,310	372	23	45
Sept	1,645	1,296	274	24	50
October	1,550	1,218	251	28	53
November	1,681	1,230	362	28	60
December	1,721	1,268	368	30	54
Year 2015					
January	3,357	2,099	1,117	55	85
February	8,696	3,655	4,759	163	119
March	1,830	1,265	469	25	71
April	1,552	1,251	227	17	57
May	1,742	1,277	374	20	70
June	1,771	1,410	284	20	57
July	2,043	1,543	422	24	53
August	1,861	1,455	336	22	49
Sept	1,718	1,268	389	16	45
Year to Date					
2013	17,577	12,802	4,095	245	435
2014	26,579	15,937	9,707	364	571
2015	24,570	15,223	8,377	362	608
Rolling 12 Months Ending in September					
2014	32,234	19,962	11,107	447	719
2015	29,521	18,939	9,359	449	775

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 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2005-September 2015 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	20,494	0	1,392	1,004	18,097
2006	14,077	0	1,153	559	12,365
2007	13,462	0	1,303	441	11,718
2008	7,533	0	1,311	461	5,762
2009	8,128	0	1,301	293	6,534
2010	4,866	0	1,086	212	3,567
2011	3,826	0	1,004	168	2,654
2012	3,097	0	992	122	1,984
2013	3,456	0	1,050	498	1,908
2014	3,099	64	1,170	216	1,650
Year 2013					
January	473	0	63	214	196
February	311	0	79	55	178
March	235	0	89	3	143
April	245	0	89	3	153
May	248	0	92	7	149
June	230	0	86	6	139
July	220	0	90	13	117
August	209	0	90	5	114
Sept	203	0	94	3	106
October	229	0	99	10	120
November	234	0	88	12	134
December	619	0	92	167	360
Year 2014					
January	643	45	189	115	294
February	336	5	88	44	199
March	301	7	101	27	165
April	203	0	86	4	114
May	211	1	89	5	116
June	208	1	90	3	114
July	195	1	93	4	97
August	201	1	108	3	89
Sept	173	1	62	2	109
October	208	0	92	2	114
November	220	0	90	4	125
December	200	1	80	4	114
Year 2015					
January	328	9	108	26	185
February	548	46	203	61	238
March	242	1	90	12	139
April	206	0	83	7	116
May	215	0	86	10	118
June	215	1	83	10	121
July	219	0	98	12	109
August	201	1	93	10	97
Sept	240	1	94	9	136
Year to Date					
2013	2,374	0	771	309	1,294
2014	2,471	62	907	206	1,297
2015	2,414	60	938	157	1,259
Rolling 12 Months Ending in September					
2014	3,553	62	1,185	395	1,911
2015	3,042	62	1,201	167	1,613

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 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-September 2015 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	185,631	98,223	63,546	1,584	22,278
2006	87,898	53,529	18,332	886	15,150
2007	95,895	56,910	24,097	691	14,198
2008	61,379	38,995	14,463	621	7,300
2009	51,690	31,847	11,181	477	8,185
2010	44,968	30,806	9,364	376	4,422
2011	31,152	20,844	6,637	301	3,370
2012	25,702	17,521	5,102	394	2,685
2013	26,687	16,827	6,544	826	2,490
2014	34,630	19,716	11,859	667	2,389
Year 2013					
January	3,435	1,809	1,099	261	265
February	2,202	1,279	604	90	229
March	1,874	1,334	321	27	193
April	1,930	1,335	371	27	196
May	2,037	1,419	386	27	204
June	1,929	1,321	405	24	179
July	2,766	1,732	829	44	160
August	1,985	1,402	396	32	155
Sept	1,794	1,170	455	22	146
October	1,810	1,247	369	31	164
November	1,891	1,305	369	36	181
December	3,035	1,473	940	205	417
Year 2014					
January	10,833	4,513	5,677	227	416
February	3,453	1,885	1,187	101	280
March	3,776	1,924	1,545	70	237
April	1,760	1,283	286	35	156
May	1,858	1,296	363	27	172
June	1,711	1,180	336	30	164
July	1,890	1,309	404	28	150
August	1,952	1,311	481	26	134
Sept	1,818	1,297	336	26	159
October	1,758	1,219	343	30	166
November	1,900	1,230	453	32	186
December	1,921	1,269	449	34	169
Year 2015					
January	3,685	2,108	1,226	81	270
February	9,244	3,702	4,962	224	357
March	2,072	1,266	559	37	211
April	1,758	1,252	310	24	172
May	1,957	1,278	460	30	189
June	1,986	1,410	367	30	178
July	2,262	1,543	520	36	163
August	2,062	1,456	428	32	146
Sept	1,958	1,268	484	25	181
Year to Date					
2013	19,951	12,802	4,866	554	1,728
2014	29,051	15,999	10,614	570	1,868
2015	26,984	15,283	9,315	519	1,867
Rolling 12 Months Ending in September					
2014	35,787	20,024	12,292	842	2,630
2015	32,563	19,001	10,559	616	2,388

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2005-September 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	8,330	4,130	3,746	1	452
2006	7,363	3,619	3,286	1	456
2007	6,036	2,808	2,715	2	512
2008	5,417	2,296	2,704	1	416
2009	4,821	2,761	1,724	1	335
2010	4,994	3,325	1,354	2	313
2011	5,012	3,449	1,277	1	286
2012	3,675	2,105	756	1	812
2013	4,852	3,409	779	1	662
2014	4,412	3,440	599	2	371
Year 2013					
January	385	253	67	0	65
February	314	220	62	0	32
March	364	236	67	0	60
April	342	217	62	0	63
May	469	361	41	0	68
June	476	348	63	0	66
July	474	337	72	0	65
August	491	332	93	0	66
Sept	442	326	60	0	57
October	404	289	64	0	51
November	308	217	60	0	30
December	381	272	69	0	39
Year 2014					
January	436	349	55	0	32
February	361	275	56	0	30
March	421	332	57	0	31
April	303	212	55	0	36
May	393	314	49	0	30
June	418	339	46	0	33
July	385	299	54	0	33
August	382	298	51	0	33
Sept	372	281	62	0	29
October	230	178	23	0	29
November	288	228	33	0	27
December	424	335	60	0	29
Year 2015					
January	400	312	57	0	30
February	419	332	57	0	31
March	278	195	60	0	23
April	301	213	59	0	29
May	343	260	59	0	23
June	305	233	55	0	17
July	421	333	59	0	28
August	397	311	59	0	27
Sept	381	294	61	0	26
Year to Date					
2013	3,759	2,630	586	1	542
2014	3,470	2,699	483	1	286
2015	3,244	2,483	526	2	234
Rolling 12 Months Ending in September					
2014	4,564	3,478	676	2	407
2015	4,187	3,224	641	2	318

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 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2005-September 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	783	0	206	8	568
2006	1,259	0	195	9	1,055
2007	1,262	0	162	11	1,090
2008	897	0	119	9	769
2009	1,007	0	126	8	873
2010	1,059	0	98	11	950
2011	1,080	0	112	6	962
2012	1,346	0	113	11	1,222
2013	1,486	0	96	11	1,379
2014	1,283	3	90	16	1,174
Year 2013					
January	137	0	9	2	127
February	103	0	7	1	94
March	129	0	9	1	119
April	114	0	9	0	105
May	130	0	8	0	123
June	130	0	5	0	125
July	140	0	9	0	132
August	162	0	8	1	152
Sept	115	0	7	1	107
October	118	0	9	1	108
November	92	0	8	1	83
December	115	0	9	1	105
Year 2014					
January	105	0	9	2	95
February	93	1	7	1	84
March	106	0	8	2	96
April	116	0	9	2	105
May	110	0	8	1	102
June	109	0	0	0	109
July	114	0	5	0	109
August	112	0	9	2	101
Sept	113	0	9	2	102
October	86	0	9	1	75
November	104	1	9	2	92
December	114	0	9	2	103
Year 2015					
January	140	0	10	2	128
February	135	1	9	2	124
March	147	1	9	2	136
April	120	1	9	1	108
May	101	1	10	0	90
June	116	2	9	0	106
July	104	1	9	0	94
August	104	0	9	2	94
Sept	107	0	8	2	97
Year to Date					
2013	1,161	0	70	7	1,083
2014	978	1	62	11	903
2015	1,075	5	82	11	977
Rolling 12 Months Ending in September					
2014	1,303	1	88	15	1,199
2015	1,380	7	109	17	1,248

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-September 2015 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	9,113	4,130	3,953	9	1,020
2006	8,622	3,619	3,482	10	1,511
2007	7,299	2,808	2,877	12	1,602
2008	6,314	2,296	2,823	10	1,184
2009	5,828	2,761	1,850	9	1,209
2010	6,053	3,325	1,452	12	1,264
2011	6,092	3,449	1,388	6	1,248
2012	5,021	2,105	869	13	2,034
2013	6,338	3,409	875	12	2,041
2014	5,695	3,443	689	18	1,545
Year 2013					
January	522	253	76	2	191
February	416	220	69	2	126
March	493	236	76	2	180
April	456	217	71	0	168
May	600	361	48	0	191
June	606	348	68	0	191
July	614	337	80	0	197
August	653	332	101	2	218
Sept	558	326	67	1	164
October	522	289	73	1	158
November	400	217	68	1	114
December	496	272	78	2	144
Year 2014					
January	541	349	63	2	127
February	454	276	63	2	113
March	527	332	65	2	128
April	418	212	64	2	141
May	504	314	57	1	132
June	527	339	46	0	141
July	499	299	58	0	142
August	494	298	59	2	134
Sept	485	281	70	2	131
October	316	178	32	2	104
November	393	229	42	2	120
December	538	335	69	2	132
Year 2015					
January	540	313	67	3	158
February	555	332	65	2	155
March	425	196	69	2	159
April	420	213	68	2	137
May	444	261	69	0	113
June	422	235	64	0	123
July	525	334	68	0	123
August	501	311	68	2	121
Sept	488	294	70	2	122
Year to Date					
2013	4,920	2,630	656	8	1,625
2014	4,448	2,701	546	12	1,189
2015	4,320	2,489	607	13	1,211
Rolling 12 Months Ending in September					
2014	5,867	3,480	765	17	1,606
2015	5,567	3,232	750	19	1,566

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	6,036,370	2,134,859	3,349,921	33,785	517,805
2006	6,461,615	2,478,396	3,412,826	34,623	535,770
2007	7,089,342	2,736,418	3,765,194	34,087	553,643
2008	6,895,843	2,730,134	3,612,197	33,403	520,109
2009	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,484,710	4,101,927	4,686,260	63,116	633,407
2013	8,596,299	3,970,447	3,917,131	66,570	642,152
2014	8,544,387	3,895,008	3,954,032	71,957	623,390
Year 2013					
January	666,650	310,174	296,071	5,247	55,159
February	599,100	278,139	266,731	4,807	49,424
March	637,349	293,545	285,259	5,365	53,180
April	595,667	268,467	272,544	5,095	49,562
May	646,296	295,973	294,795	5,160	50,369
June	771,868	363,204	349,597	5,582	53,485
July	949,141	432,493	451,078	7,169	58,401
August	937,197	442,939	430,139	6,449	57,671
Sept	784,619	365,005	361,481	6,005	52,128
October	669,764	312,216	300,858	4,993	51,697
November	633,885	284,526	291,241	4,881	53,237
December	704,762	323,768	317,338	5,817	57,840
Year 2014					
January	694,661	324,657	309,522	6,411	54,071
February	579,819	265,645	261,103	5,180	47,892
March	591,101	271,638	263,442	5,292	50,729
April	579,336	270,132	256,256	4,967	47,981
May	680,193	323,448	300,470	5,761	50,513
June	754,126	348,327	349,049	6,119	50,630
July	880,805	393,011	425,395	6,966	55,433
August	935,170	426,346	445,556	7,430	55,839
Sept	805,960	355,962	391,332	6,396	52,270
October	736,039	323,456	356,020	5,939	50,625
November	633,279	288,760	287,096	5,496	51,927
December	673,898	303,627	308,792	5,999	55,480
Year 2015					
January	748,274	342,446	344,333	6,036	55,459
February	677,934	326,486	299,130	5,199	47,119
March	736,302	346,138	335,669	6,171	48,324
April	694,920	329,428	314,756	5,257	45,479
May	769,651	358,615	355,274	6,176	49,586
June	926,080	445,940	421,595	6,184	52,361
July	1,085,365	508,684	514,948	6,764	54,968
August	1,063,043	494,828	506,218	6,934	55,063
Sept	934,539	435,427	440,245	6,420	52,448
Year to Date					
2013	6,587,888	3,049,937	3,007,695	50,878	479,378
2014	6,501,170	2,979,166	3,002,125	54,522	465,358
2015	7,636,108	3,587,994	3,532,168	55,140	460,806
Rolling 12 Months Ending in September					
2014	8,509,582	3,899,675	3,911,561	70,214	628,132
2015	9,679,324	4,503,836	4,484,075	72,575	618,838

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
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Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	984,340	0	384,365	34,172	565,803
2006	942,817	0	330,878	33,112	578,828
2007	872,579	0	339,796	35,987	496,796
2008	793,537	0	326,048	32,813	434,676
2009	816,787	0	305,542	41,275	469,970
2010	821,775	0	301,769	46,324	473,683
2011	839,681	0	308,669	39,856	491,155
2012	886,103	0	322,607	47,883	515,613
2013	882,385	0	303,177	51,057	528,151
2014	865,146	4,926	292,016	46,635	521,569
Year 2013					
January	74,638	0	25,440	4,277	44,920
February	67,391	0	23,519	3,883	39,989
March	73,151	0	25,107	4,051	43,993
April	70,245	0	23,817	3,571	42,857
May	70,784	0	24,040	3,703	43,041
June	70,610	0	24,349	4,045	42,216
July	78,649	0	27,553	4,968	46,128
August	78,207	0	27,452	4,811	45,943
Sept	72,884	0	24,996	4,358	43,529
October	72,095	0	23,964	4,137	43,993
November	73,889	0	25,253	4,336	44,300
December	79,843	0	27,687	4,915	47,241
Year 2014					
January	87,362	527	28,175	7,205	51,455
February	68,875	539	23,822	3,527	40,988
March	72,690	476	25,252	3,245	43,717
April	67,023	286	22,224	3,085	41,428
May	67,861	224	22,787	3,272	41,578
June	67,490	274	23,101	3,460	40,656
July	72,370	267	24,630	3,749	43,724
August	74,882	441	25,464	4,031	44,946
Sept	69,772	367	23,285	3,731	42,390
October	71,722	431	23,484	3,776	44,032
November	70,483	534	24,002	3,672	42,274
December	74,615	561	25,790	3,883	44,381
Year 2015					
January	79,982	751	26,698	4,912	47,620
February	73,097	721	24,344	4,545	43,486
March	81,437	586	26,962	4,711	49,178
April	73,509	589	24,045	3,570	45,305
May	74,825	584	24,674	4,260	45,307
June	73,609	637	24,303	4,155	44,514
July	77,618	755	26,623	4,324	45,916
August	80,097	851	26,695	4,461	48,090
Sept	75,138	753	26,028	4,546	43,811
Year to Date					
2013	656,559	0	226,273	37,669	392,617
2014	648,325	3,400	218,741	35,303	390,882
2015	689,311	6,228	230,371	39,484	413,228
Rolling 12 Months Ending in September					
2014	874,152	3,400	295,645	48,691	526,416
2015	906,132	7,753	303,646	50,816	543,916

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	7,020,709	2,134,859	3,734,286	67,957	1,083,607
2006	7,404,432	2,478,396	3,743,704	67,735	1,114,597
2007	7,961,922	2,736,418	4,104,991	70,074	1,050,439
2008	7,689,380	2,730,134	3,938,245	66,216	954,785
2009	7,937,856	2,911,279	3,961,254	75,555	989,769
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,812	4,101,927	5,008,867	110,999	1,149,020
2013	9,478,685	3,970,447	4,220,309	117,626	1,170,303
2014	9,409,532	3,899,934	4,246,048	118,591	1,144,959
Year 2013					
January	741,288	310,174	321,512	9,524	100,079
February	666,492	278,139	290,249	8,690	89,413
March	710,500	293,545	310,365	9,417	97,174
April	665,912	268,467	296,361	8,666	92,419
May	717,080	295,973	318,835	8,863	93,410
June	842,478	363,204	373,946	9,627	95,701
July	1,027,790	432,493	478,631	12,137	104,529
August	1,015,404	442,939	457,592	11,260	103,614
Sept	857,503	365,005	386,477	10,363	95,657
October	741,859	312,216	324,822	9,130	95,691
November	707,774	284,526	316,494	9,218	97,537
December	784,605	323,768	345,024	10,732	105,081
Year 2014					
January	782,023	325,184	337,697	13,616	105,526
February	648,695	266,184	284,925	8,706	88,880
March	663,791	272,114	288,694	8,537	94,446
April	646,360	270,418	278,481	8,052	89,409
May	748,053	323,672	323,257	9,033	92,091
June	821,616	348,601	372,150	9,580	91,286
July	953,174	393,278	450,025	10,715	99,157
August	1,010,052	426,786	471,019	11,461	100,785
Sept	875,732	356,329	414,618	10,126	94,659
October	807,761	323,887	379,503	9,715	94,657
November	703,762	289,294	311,098	9,169	94,202
December	748,513	304,188	334,581	9,883	99,861
Year 2015					
January	828,256	343,198	371,031	10,948	103,079
February	751,031	327,207	323,474	9,744	90,605
March	817,739	346,724	362,631	10,882	97,502
April	768,429	330,017	338,801	8,827	90,784
May	844,476	359,199	379,948	10,436	94,893
June	999,689	446,577	445,898	10,338	96,875
July	1,162,983	509,440	541,571	11,088	100,885
August	1,143,139	495,679	532,913	11,395	103,153
Sept	1,009,677	436,181	466,272	10,965	96,259
Year to Date					
2013	7,244,447	3,049,937	3,233,969	88,546	871,995
2014	7,149,496	2,982,566	3,220,865	89,825	856,240
2015	8,325,419	3,594,222	3,762,539	94,624	874,034
Rolling 12 Months Ending in September					
2014	9,383,734	3,903,076	4,207,205	118,905	1,154,548
2015	10,585,456	4,511,590	4,787,722	123,391	1,162,754

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	141,899	11,490	123,064	4,797	2,548
2006	160,033	16,617	136,108	6,644	664
2007	166,774	17,442	144,104	4,598	630
2008	195,777	20,465	169,547	5,235	530
2009	206,792	19,583	180,689	5,931	589
2010	218,331	19,975	192,428	5,535	393
2011	232,795	22,086	180,856	29,469	384
2012	256,376	25,193	201,965	26,672	2,545
2013	271,967	27,259	211,942	28,143	4,623
2014	285,982	25,819	228,447	27,038	4,678
Year 2013					
January	22,446	2,169	17,413	2,494	371
February	20,061	1,962	15,670	2,098	331
March	23,296	2,302	18,243	2,384	366
April	21,467	2,261	16,911	1,942	353
May	23,275	2,317	18,229	2,343	387
June	22,614	2,168	17,652	2,407	387
July	23,199	2,109	18,232	2,469	389
August	24,445	2,964	18,590	2,515	377
Sept	22,680	2,272	17,654	2,366	388
October	22,199	2,286	17,082	2,432	400
November	22,709	2,210	17,825	2,252	422
December	23,576	2,241	18,441	2,441	453
Year 2014					
January	24,810	2,187	19,717	2,506	401
February	23,764	1,997	19,121	2,289	357
March	24,623	2,107	19,714	2,388	414
April	24,489	2,133	19,679	2,260	416
May	24,111	2,136	19,380	2,190	404
June	24,096	2,173	19,233	2,294	396
July	26,390	2,372	21,117	2,498	404
August	25,163	2,332	20,037	2,403	391
Sept	23,690	2,143	18,898	2,290	359
October	21,697	2,148	17,099	2,092	358
November	20,698	2,030	16,561	1,723	385
December	22,451	2,062	17,892	2,105	393
Year 2015					
January	28,965	2,744	22,794	2,902	525
February	25,117	2,370	19,786	2,499	462
March	27,073	2,541	21,363	2,676	494
April	26,161	2,554	21,447	1,814	346
May	27,377	2,539	22,516	1,933	389
June	26,469	2,636	21,591	1,876	366
July	28,401	2,794	23,182	2,018	407
August	28,019	2,722	22,946	1,962	389
Sept	24,872	2,382	20,314	1,817	359
Year to Date					
2013	203,482	20,522	158,595	21,018	3,348
2014	221,136	19,579	176,895	21,118	3,543
2015	242,454	23,279	195,940	19,497	3,738
Rolling 12 Months Ending in September					
2014	289,620	26,316	230,243	28,244	4,818
2015	307,301	29,519	247,491	25,417	4,873

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	1,923	0	965	435	522
2006	2,051	0	525	1,094	433
2007	1,988	0	386	1,102	501
2008	1,025	0	454	433	138
2009	793	0	545	176	72
2010	1,623	0	1,195	370	58
2011	3,195	0	2,753	351	91
2012	3,189	0	2,788	340	61
2013	831	0	261	423	147
2014	1,710	176	525	674	335
Year 2013					
January	64	0	18	33	12
February	64	0	22	30	11
March	60	0	23	24	13
April	76	0	28	37	11
May	86	0	35	40	11
June	79	0	30	37	12
July	87	0	35	39	13
August	77	0	27	37	13
Sept	65	0	17	35	12
October	62	0	15	35	12
November	54	0	4	38	12
December	59	0	8	38	13
Year 2014					
January	169	20	62	61	25
February	148	18	64	44	23
March	132	19	41	44	27
April	137	19	28	60	30
May	144	19	33	64	29
June	154	17	54	54	29
July	179	14	70	64	30
August	161	15	62	55	30
Sept	140	14	47	51	28
October	101	2	21	53	25
November	112	3	17	64	29
December	132	15	26	61	30
Year 2015					
January	562	17	251	182	112
February	526	15	232	178	101
March	386	17	169	128	72
April	69	17	38	14	0
May	74	18	41	15	0
June	69	18	35	16	0
July	93	19	49	23	2
August	82	18	40	22	2
Sept	66	16	35	15	0
Year to Date					
2013	656	0	235	313	109
2014	1,364	156	462	496	250
2015	1,927	155	890	593	289
Rolling 12 Months Ending in September					
2014	1,539	156	488	607	288
2015	2,272	175	953	771	374

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	143,822	11,490	124,030	5,232	3,070
2006	162,084	16,617	136,632	7,738	1,096
2007	168,762	17,442	144,490	5,699	1,131
2008	196,802	20,465	170,001	5,668	668
2009	207,585	19,583	181,234	6,106	661
2010	219,954	19,975	193,623	5,905	451
2011	235,990	22,086	183,609	29,820	474
2012	259,564	25,193	204,753	27,012	2,606
2013	272,798	27,259	212,203	28,566	4,770
2014	287,692	25,995	228,971	27,713	5,013
Year 2013					
January	22,510	2,169	17,431	2,527	383
February	20,125	1,962	15,692	2,128	342
March	23,355	2,302	18,267	2,408	378
April	21,542	2,261	16,939	1,979	364
May	23,361	2,317	18,263	2,383	398
June	22,693	2,168	17,682	2,443	400
July	23,286	2,109	18,267	2,508	402
August	24,522	2,964	18,617	2,552	390
Sept	22,744	2,272	17,671	2,402	400
October	22,261	2,286	17,096	2,467	413
November	22,764	2,210	17,829	2,290	434
December	23,635	2,241	18,448	2,479	466
Year 2014					
January	24,980	2,207	19,779	2,567	426
February	23,912	2,014	19,185	2,334	379
March	24,755	2,126	19,755	2,432	442
April	24,625	2,152	19,708	2,320	446
May	24,255	2,155	19,413	2,254	433
June	24,250	2,190	19,287	2,348	425
July	26,569	2,386	21,187	2,561	434
August	25,324	2,347	20,099	2,458	421
Sept	23,830	2,158	18,944	2,341	387
October	21,798	2,150	17,119	2,145	383
November	20,811	2,033	16,578	1,786	414
December	22,584	2,077	17,918	2,166	423
Year 2015					
January	29,527	2,761	23,045	3,084	637
February	25,644	2,385	20,018	2,677	563
March	27,459	2,558	21,532	2,803	566
April	26,230	2,571	21,485	1,828	346
May	27,451	2,556	22,557	1,948	389
June	26,538	2,653	21,627	1,892	366
July	28,495	2,813	23,232	2,041	409
August	28,101	2,739	22,986	1,984	391
Sept	24,938	2,398	20,349	1,832	359
Year to Date					
2013	204,138	20,522	158,829	21,330	3,457
2014	222,500	19,735	177,357	21,615	3,793
2015	244,381	23,434	196,830	20,090	4,027
Rolling 12 Months Ending in September					
2014	291,160	26,472	230,731	28,851	5,106
2015	309,573	29,694	248,445	26,188	5,247

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	19,370	560	17,033	1,753	25
2006	19,629	500	17,343	1,761	25
2007	19,576	553	17,116	1,785	122
2008	19,805	509	17,487	1,809	0
2009	19,669	465	17,048	2,155	0
2010	19,437	402	16,802	2,233	0
2011	16,972	388	14,625	1,955	4
2012	16,968	418	14,235	2,304	12
2013	17,007	456	14,057	2,485	8
2014	16,706	444	13,809	2,447	6
Year 2013					
January	1,328	32	1,115	181	0
February	1,199	30	1,000	169	0
March	1,411	31	1,175	205	1
April	1,371	43	1,121	206	1
May	1,480	43	1,218	218	1
June	1,503	40	1,242	220	1
July	1,549	44	1,278	226	1
August	1,478	40	1,213	224	1
Sept	1,408	38	1,154	216	1
October	1,403	41	1,155	206	0
November	1,350	40	1,107	203	0
December	1,528	35	1,280	213	1
Year 2014					
January	1,381	28	1,131	221	0
February	1,205	24	1,014	166	0
March	1,390	38	1,165	187	0
April	1,371	44	1,127	200	0
May	1,455	42	1,200	214	1
June	1,418	40	1,170	207	1
July	1,489	44	1,224	220	1
August	1,469	38	1,210	220	1
Sept	1,384	38	1,141	205	1
October	1,374	40	1,133	200	0
November	1,373	32	1,139	201	0
December	1,397	36	1,155	205	1
Year 2015					
January	1,293	31	1,068	194	1
February	1,137	24	944	168	1
March	1,230	28	1,010	192	1
April	1,241	41	1,020	180	0
May	1,297	45	1,076	176	0
June	1,322	44	1,104	175	0
July	1,451	104	1,154	194	0
August	1,386	101	1,105	181	0
Sept	1,282	97	1,002	183	0
Year to Date					
2013	12,726	341	10,515	1,864	7
2014	12,562	336	10,381	1,840	4
2015	11,639	514	9,482	1,641	2
Rolling 12 Months Ending in September					
2014	16,843	452	13,923	2,462	6
2015	15,783	622	12,909	2,248	4

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	2,719	0	623	1,536	560
2006	2,840	0	725	1,595	520
2007	2,219	0	768	1,136	315
2008	2,328	0	806	1,514	8
2009	2,426	0	823	1,466	137
2010	2,287	0	819	1,316	152
2011	2,044	0	742	1,148	154
2012	1,986	0	522	1,273	190
2013	1,865	0	517	1,160	187
2014	1,955	0	650	1,104	200
Year 2013					
January	156	0	42	98	17
February	143	0	40	91	12
March	167	0	47	104	16
April	164	0	40	109	15
May	153	0	32	105	16
June	167	0	47	103	17
July	158	0	45	95	18
August	155	0	44	93	17
Sept	152	0	39	97	16
October	150	0	46	91	13
November	141	0	46	82	14
December	159	0	48	94	16
Year 2014					
January	203	0	59	126	17
February	140	0	49	76	15
March	154	0	52	86	15
April	155	0	58	82	15
May	166	0	57	92	18
June	163	0	57	90	16
July	164	0	54	93	17
August	161	0	47	92	22
Sept	157	0	48	92	18
October	165	0	56	93	17
November	158	0	55	88	15
December	169	0	59	93	17
Year 2015					
January	170	0	68	89	14
February	129	0	48	71	10
March	164	0	60	89	14
April	161	0	54	91	16
May	157	0	48	93	16
June	143	0	45	83	15
July	160	0	54	90	16
August	146	0	51	81	14
Sept	149	0	48	86	15
Year to Date					
2013	1,415	0	377	894	144
2014	1,463	0	481	830	152
2015	1,378	0	476	773	129
Rolling 12 Months Ending in September					
2014	1,912	0	621	1,096	195
2015	1,871	0	645	1,047	178

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
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Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-September 2015 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2005	22,089	560	17,655	3,289	584
2006	22,469	500	18,068	3,356	545
2007	21,796	553	17,885	2,921	437
2008	22,134	509	18,294	3,323	8
2009	22,095	465	17,872	3,622	137
2010	21,725	402	17,621	3,549	152
2011	19,016	388	15,367	3,103	158
2012	18,954	418	14,757	3,577	203
2013	18,871	456	14,574	3,646	195
2014	18,661	444	14,459	3,551	206
Year 2013					
January	1,484	32	1,157	278	17
February	1,342	30	1,040	259	13
March	1,579	31	1,222	309	17
April	1,535	43	1,161	315	16
May	1,633	43	1,250	323	17
June	1,669	40	1,289	322	18
July	1,707	44	1,323	322	18
August	1,633	40	1,257	317	18
Sept	1,559	38	1,193	312	17
October	1,552	41	1,201	297	13
November	1,491	40	1,152	284	14
December	1,687	35	1,328	307	17
Year 2014					
January	1,584	28	1,190	347	18
February	1,345	24	1,063	242	15
March	1,544	38	1,217	273	16
April	1,526	44	1,184	283	15
May	1,622	42	1,256	306	18
June	1,581	40	1,227	297	17
July	1,653	44	1,279	313	18
August	1,629	38	1,257	312	22
Sept	1,541	38	1,188	297	18
October	1,540	40	1,189	293	17
November	1,531	32	1,194	289	15
December	1,566	36	1,214	299	17
Year 2015					
January	1,463	31	1,135	282	15
February	1,266	24	992	239	11
March	1,393	28	1,070	281	14
April	1,401	41	1,074	270	16
May	1,453	45	1,123	269	16
June	1,465	44	1,149	258	15
July	1,611	104	1,208	284	16
August	1,532	101	1,156	261	14
Sept	1,431	97	1,050	269	15
Year to Date					
2013	14,141	341	10,893	2,758	151
2014	14,025	336	10,862	2,670	156
2015	13,017	514	9,957	2,414	131
Rolling 12 Months Ending in September					
2014	18,755	452	14,543	3,559	201
2015	17,653	622	13,555	3,295	181

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 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.7.A. Consumption of Coal for Electricity Generation by State, by Sector, September 2015 and September 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	40	28	43.0%	11	5	28	22	0	0	1	0
Connecticut	2	0	--	0	0	2	0	0	0	0	0
Maine	1	1	129.0%	0	0	1	0	0	0	0	0
Massachusetts	26	22	17.0%	0	0	25	22	0	0	0	0
New Hampshire	11	5	100.0%	11	5	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,824	2,695	4.8%	0	0	2,803	2,672	NM	0	20	22
New Jersey	46	51	-11.0%	0	0	46	51	0	0	0	0
New York	67	98	-31.0%	0	0	62	92	0	0	5	6
Pennsylvania	2,711	2,546	6.5%	0	0	2,696	2,529	NM	0	15	16
East North Central	14,428	14,765	-2.3%	9,258	9,497	5,091	5,187	3	3	76	77
Illinois	3,716	3,932	-5.5%	452	460	3,211	3,422	NM	1	53	49
Indiana	3,330	3,747	-11.0%	3,110	3,503	218	243	1	1	NM	0
Michigan	2,536	2,459	3.2%	2,519	2,433	12	15	1	1	4	9
Ohio	2,837	2,851	-0.5%	1,184	1,339	1,650	1,507	NM	NM	4	5
Wisconsin	2,008	1,776	13.0%	1,994	1,762	0	0	NM	0	14	14
West North Central	10,614	10,322	2.8%	10,494	10,178	1	1	2	4	116	139
Iowa	1,527	1,549	-1.4%	1,463	1,476	0	0	2	3	62	70
Kansas	1,400	1,382	1.3%	1,400	1,382	0	0	0	0	0	0
Minnesota	1,107	1,211	-8.6%	1,079	1,183	0	0	NM	0	28	29
Missouri	3,342	3,067	9.0%	3,340	3,063	1	1	0	2	1	1
Nebraska	1,273	1,273	0.0%	1,253	1,240	0	0	0	0	20	33
North Dakota	1,840	1,711	7.6%	1,835	1,704	0	0	0	0	5	6
South Dakota	125	130	-3.4%	125	130	0	0	0	0	0	0
South Atlantic	8,970	9,854	-9.0%	7,731	8,512	1,187	1,296	NM	1	50	45
Delaware	15	29	-48.0%	0	0	15	29	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,770	1,910	-7.3%	1,707	1,835	58	70	0	0	NM	4
Georgia	1,722	1,823	-5.6%	1,718	1,816	0	0	0	0	NM	7
Maryland	471	550	-14.0%	0	0	468	547	NM	0	2	3
North Carolina	1,213	1,371	-12.0%	1,170	1,359	NM	7	1	0	NM	5
South Carolina	729	931	-22.0%	724	927	0	0	0	0	5	3
Virginia	669	615	8.8%	625	576	34	32	NM	1	9	6
West Virginia	2,382	2,627	-9.3%	1,788	1,998	575	611	0	0	19	18
East South Central	6,615	7,198	-8.1%	6,285	7,062	310	116	0	0	19	20
Alabama	2,067	2,018	2.4%	2,064	2,016	0	0	0	0	NM	2
Kentucky	2,784	3,070	-9.3%	2,784	3,070	0	0	0	0	0	0
Mississippi	426	497	-14.0%	115	381	310	116	0	0	0	0
Tennessee	1,338	1,613	-17.0%	1,322	1,595	0	0	0	0	16	18
West South Central	12,254	14,043	-13.0%	6,127	7,071	6,107	6,955	0	0	NM	17
Arkansas	1,321	1,605	-18.0%	1,112	1,351	207	253	0	0	1	1
Louisiana	969	1,371	-29.0%	725	839	244	532	0	0	0	0
Oklahoma	1,369	1,674	-18.0%	1,207	1,539	143	119	0	0	NM	16
Texas	8,595	9,393	-8.5%	3,083	3,342	5,513	6,050	0	0	0	0
Mountain	8,603	9,353	-8.0%	7,492	8,150	1,050	1,142	0	0	61	61
Arizona	1,773	2,098	-15.0%	1,773	2,098	0	0	0	0	0	0
Colorado	1,415	1,414	0.1%	1,412	1,412	NM	2	0	0	NM	0
Idaho	1	2	-30.0%	0	0	0	0	0	0	1	2
Montana	953	1,021	-6.7%	NM	26	930	994	0	0	NM	1
Nevada	153	235	-35.0%	107	175	47	61	0	0	0	0
New Mexico	953	1,029	-7.4%	953	1,029	0	0	0	0	0	0
Utah	1,280	1,351	-5.3%	1,204	1,266	NM	40	0	0	42	45
Wyoming	2,075	2,202	-5.8%	2,020	2,144	NM	45	0	0	17	13
Pacific Contiguous	628	771	-19.0%	206	233	416	531	0	0	6	7
California	8	43	-80.0%	0	0	NM	37	0	0	5	6
Oregon	206	233	-12.0%	206	233	0	0	0	0	0	0
Washington	414	495	-17.0%	0	0	413	494	0	0	1	1
Pacific Noncontiguous	114	99	15.0%	30	19	78	75	3	4	NM	1
Alaska	50	34	48.0%	30	19	17	11	3	4	0	0
Hawaii	63	65	-2.1%	0	0	61	64	0	0	NM	1
U.S. Total	65,088	69,127	-5.8%	47,634	50,728	17,071	17,998	11	12	372	389

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.7.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through September 2015 and September 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	1,527	1,922	-21.0%	385	438	1,131	1,474	0	0	11	10
Connecticut	352	420	-16.0%	0	0	352	420	0	0	0	0
Maine	18	15	17.0%	0	0	10	8	0	0	7	7
Massachusetts	772	1,049	-26.0%	0	0	768	1,046	0	0	4	4
New Hampshire	385	438	-12.0%	385	438	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	27,156	32,789	-17.0%	0	0	26,970	32,583	2	4	185	202
New Jersey	627	910	-31.0%	0	0	627	910	0	0	0	0
New York	966	1,978	-51.0%	0	0	915	1,928	0	0	51	51
Pennsylvania	25,563	29,900	-15.0%	0	0	25,428	29,745	2	4	134	151
East North Central	130,920	146,436	-11.0%	82,649	91,447	47,541	54,176	35	47	695	766
Illinois	35,257	39,136	-9.9%	4,137	4,313	30,656	34,348	11	12	453	463
Indiana	31,180	37,806	-18.0%	29,106	35,767	2,061	2,020	9	14	4	4
Michigan	22,632	22,911	-1.2%	22,389	22,648	174	157	14	19	55	87
Ohio	25,013	29,995	-17.0%	10,321	12,293	14,650	17,651	1	1	41	51
Wisconsin	16,839	16,588	1.5%	16,696	16,427	0	0	NM	0	143	162
West North Central	98,358	104,602	-6.0%	97,199	103,254	12	15	38	55	1,109	1,277
Iowa	14,805	15,387	-3.8%	14,195	14,742	0	0	23	28	588	617
Kansas	12,921	14,209	-9.1%	12,921	14,209	0	0	0	0	0	0
Minnesota	11,454	12,358	-7.3%	11,183	12,058	0	0	3	9	269	292
Missouri	29,976	33,166	-9.6%	29,939	33,115	12	15	13	18	13	18
Nebraska	11,347	11,658	-2.7%	11,156	11,355	0	0	0	0	191	303
North Dakota	17,254	16,470	4.8%	17,206	16,423	0	0	0	0	48	47
South Dakota	601	1,353	-56.0%	601	1,353	0	0	0	0	0	0
South Atlantic	87,141	99,178	-12.0%	76,263	86,216	10,445	12,485	23	20	409	458
Delaware	264	391	-33.0%	0	0	264	391	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	15,017	17,402	-14.0%	14,585	16,884	391	481	0	0	41	38
Georgia	16,654	18,908	-12.0%	16,614	18,830	0	0	0	0	41	79
Maryland	5,247	6,137	-15.0%	0	0	5,217	6,098	5	7	25	32
North Carolina	13,659	15,547	-12.0%	13,358	15,175	253	323	11	5	38	44
South Carolina	7,647	9,292	-18.0%	7,601	9,247	0	0	0	0	46	45
Virginia	6,091	7,091	-14.0%	5,615	6,509	404	505	NM	8	66	69
West Virginia	22,561	24,410	-7.6%	18,491	19,571	3,917	4,688	0	0	152	151
East South Central	61,244	68,907	-11.0%	58,487	66,450	2,568	2,257	0	2	190	198
Alabama	16,817	18,975	-11.0%	16,782	18,948	0	0	0	0	35	27
Kentucky	27,623	29,761	-7.2%	27,623	29,761	0	0	0	0	0	0
Mississippi	4,172	5,562	-25.0%	1,604	3,305	2,568	2,257	0	0	0	0
Tennessee	12,632	14,609	-14.0%	12,477	14,436	0	0	0	2	154	171
West South Central	100,131	119,211	-16.0%	49,774	60,858	50,221	58,196	0	0	136	158
Arkansas	10,582	15,130	-30.0%	8,738	13,534	1,833	1,585	0	0	11	11
Louisiana	8,614	9,861	-13.0%	5,099	4,227	3,515	5,634	0	0	0	0
Oklahoma	12,623	14,835	-15.0%	11,653	13,785	844	903	0	0	125	147
Texas	68,312	79,385	-14.0%	24,283	29,311	44,028	50,073	0	0	0	0
Mountain	77,692	81,395	-4.5%	68,831	72,604	8,466	8,389	0	0	395	402
Arizona	15,205	17,377	-13.0%	15,205	17,377	0	0	0	0	0	0
Colorado	13,522	13,702	-1.3%	13,504	13,680	NM	19	0	0	NM	4
Idaho	12	13	-5.1%	0	0	0	0	0	0	12	13
Montana	7,718	7,253	6.4%	207	220	7,507	7,027	0	0	4	5
Nevada	1,190	2,819	-58.0%	825	2,233	365	585	0	0	0	0
New Mexico	8,838	8,977	-1.6%	8,838	8,977	0	0	0	0	0	0
Utah	11,287	11,415	-1.1%	10,844	10,843	228	345	0	0	214	227
Wyoming	19,920	19,839	0.4%	19,408	19,274	350	413	0	0	161	153
Pacific Contiguous	2,992	4,701	-36.0%	789	1,271	2,145	3,375	0	0	58	55
California	73	262	-72.0%	0	0	NM	216	0	0	52	46
Oregon	789	1,271	-38.0%	789	1,271	0	0	0	0	0	0
Washington	2,130	3,168	-33.0%	0	0	2,123	3,159	0	0	7	8
Pacific Noncontiguous	874	913	-4.3%	186	174	642	692	30	33	NM	15
Alaska	371	363	2.2%	186	174	154	157	30	33	0	0
Hawaii	503	550	-8.5%	0	0	487	535	0	0	NM	15
U.S. Total	588,036	660,054	-11.0%	434,564	482,711	150,139	173,642	129	161	3,204	3,540

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Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.8.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, September 2015 and September 2014 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	113	17	548.0%	11	4	96	9	NM	NM	NM	1
Connecticut	31	8	303.0%	1	0	29	7	NM	0	NM	0
Maine	22	2	NM	NM	0	21	1	NM	0	1	1
Massachusetts	54	7	713.0%	7	3	46	2	NM	NM	NM	0
New Hampshire	NM	1	NM	NM	1	NM	0	NM	0	NM	0
Rhode Island	NM	NM	NM	2	0	0	0	NM	NM	0	0
Vermont	NM	0	NM	NM	0	0	0	NM	0	0	0
Middle Atlantic	119	67	78.0%	NM	9	86	49	NM	3	NM	6
New Jersey	NM	3	NM	NM	NM	NM	3	NM	0	NM	0
New York	73	26	182.0%	NM	9	42	9	NM	3	NM	6
Pennsylvania	41	38	6.2%	NM	0	38	37	NM	0	3	1
East North Central	74	69	7.0%	51	52	20	15	NM	NM	2	1
Illinois	11	13	-17.0%	3	6	8	7	NM	0	NM	0
Indiana	19	17	9.8%	18	16	NM	0	NM	0	1	1
Michigan	16	17	-1.6%	16	16	0	0	NM	0	NM	0
Ohio	21	19	13.0%	9	11	12	8	NM	0	0	0
Wisconsin	7	NM	NM	6	3	NM	0	NM	NM	NM	0
West North Central	77	42	84.0%	73	41	NM	0	NM	0	NM	0
Iowa	7	5	20.0%	6	5	NM	0	NM	0	NM	0
Kansas	9	10	-15.0%	9	10	0	0	0	0	0	0
Minnesota	NM	2	NM	6	2	NM	0	NM	0	NM	0
Missouri	42	11	300.0%	42	11	NM	0	NM	0	0	0
Nebraska	NM	4	NM	NM	4	0	0	0	0	0	0
North Dakota	5	8	-38.0%	5	8	0	0	NM	0	NM	0
South Dakota	NM	2	NM	NM	2	NM	0	NM	0	0	0
South Atlantic	182	181	0.6%	111	84	49	70	NM	17	16	11
Delaware	4	2	140.0%	NM	0	3	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	65	17	278.0%	64	16	NM	0	0	0	NM	1
Georgia	NM	60	NM	2	6	NM	47	NM	0	NM	8
Maryland	32	29	10.0%	2	0	23	11	NM	17	0	0
North Carolina	24	14	74.0%	22	12	NM	1	NM	0	NM	1
South Carolina	7	11	-36.0%	6	9	NM	1	NM	0	1	1
Virginia	34	33	0.4%	4	26	21	7	NM	0	8	0
West Virginia	10	16	-40.0%	10	15	0	1	0	0	0	0
East South Central	44	84	-48.0%	42	82	NM	0	NM	0	NM	2
Alabama	NM	14	NM	5	13	NM	0	0	0	NM	1
Kentucky	14	16	-15.0%	14	16	0	0	0	0	0	0
Mississippi	1	4	-64.0%	1	4	0	0	0	0	0	0
Tennessee	22	50	-56.0%	22	49	NM	0	NM	0	NM	1
West South Central	30	36	-17.0%	17	14	11	19	NM	0	2	2
Arkansas	9	3	167.0%	5	3	3	0	0	0	1	0
Louisiana	3	8	-65.0%	0	2	2	3	0	0	0	2
Oklahoma	NM	3	NM	3	3	0	0	NM	0	NM	0
Texas	15	22	-32.0%	8	6	6	16	NM	0	NM	0
Mountain	33	28	18.0%	30	24	2	3	NM	0	NM	1
Arizona	12	4	201.0%	12	4	0	0	NM	0	0	0
Colorado	NM	2	NM	NM	2	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	NM	3	NM	NM	1	1	2	0	0	0	0
Nevada	1	4	-62.0%	1	3	1	1	0	0	0	0
New Mexico	5	6	-8.8%	5	6	0	0	0	0	NM	0
Utah	2	3	-31.0%	2	3	NM	0	0	0	NM	0
Wyoming	8	7	9.7%	7	6	0	0	0	0	NM	1
Pacific Contiguous	21	15	42.0%	9	8	11	4	NM	0	2	2
California	18	13	36.0%	8	7	10	4	NM	0	NM	1
Oregon	NM	1	NM	1	1	0	0	NM	0	0	0
Washington	2	1	120.0%	NM	0	1	0	NM	0	1	1
Pacific Noncontiguous	1,025	1,105	-7.2%	896	977	110	104	NM	0	18	23
Alaska	109	99	10.0%	101	92	0	0	NM	0	8	7
Hawaii	916	1,005	-8.9%	795	885	110	104	1	0	10	16
U.S. Total	1,718	1,645	4.5%	1,268	1,296	389	274	16	24	45	50

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Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.8.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through September 2015 and September 2014 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	3,331	3,556	-6.3%	328	496	2,864	2,899	90	117	49	44
Connecticut	715	870	-18.0%	9	16	691	835	NM	14	NM	5
Maine	873	504	73.0%	NM	1	822	461	NM	4	45	37
Massachusetts	1,313	1,601	-18.0%	95	236	1,173	1,301	44	63	NM	1
New Hampshire	280	444	-37.0%	202	209	67	219	11	16	NM	0
Rhode Island	134	111	21.0%	16	21	110	82	NM	NM	0	0
Vermont	NM	25	NM	NM	12	0	0	NM	13	0	0
Middle Atlantic	4,455	5,211	-15.0%	1,399	1,543	2,914	3,522	61	61	80	86
New Jersey	468	761	-39.0%	NM	6	464	752	NM	1	NM	1
New York	2,974	3,323	-10.0%	1,395	1,535	1,470	1,678	56	55	54	56
Pennsylvania	1,012	1,127	-10.0%	NM	2	980	1,091	NM	6	26	29
East North Central	875	1,178	-26.0%	627	721	217	427	4	4	27	25
Illinois	82	133	-39.0%	30	45	51	87	NM	0	NM	0
Indiana	238	228	4.5%	220	214	NM	0	NM	1	17	13
Michigan	181	201	-9.6%	176	194	0	0	NM	2	4	5
Ohio	310	519	-40.0%	145	179	161	335	NM	0	4	5
Wisconsin	64	98	-34.0%	57	90	5	5	1	1	1	2
West North Central	545	621	-12.0%	506	574	NM	28	12	17	1	2
Iowa	71	101	-29.0%	69	99	NM	2	NM	0	NM	0
Kansas	91	95	-4.4%	91	95	0	0	0	0	0	0
Minnesota	84	129	-35.0%	47	85	NM	27	11	16	1	1
Missouri	174	174	-0.1%	173	174	NM	0	NM	0	0	0
Nebraska	44	64	-31.0%	44	64	0	0	0	0	0	0
North Dakota	42	38	10.0%	41	37	0	0	NM	0	NM	0
South Dakota	40	21	94.0%	40	21	NM	0	NM	0	0	0
South Atlantic	4,973	5,876	-15.0%	3,518	3,898	1,087	1,660	183	155	186	163
Delaware	238	294	-19.0%	NM	15	232	279	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	808	777	4.1%	785	756	NM	8	0	0	15	13
Georgia	336	409	-18.0%	128	191	83	105	NM	3	123	111
Maryland	584	1,010	-42.0%	19	24	385	835	178	150	NM	1
North Carolina	728	807	-9.8%	672	742	43	49	NM	0	12	16
South Carolina	352	457	-23.0%	314	411	17	30	NM	0	22	16
Virginia	1,739	1,910	-8.9%	1,429	1,595	295	306	NM	2	13	7
West Virginia	188	213	-12.0%	165	165	22	48	0	0	0	0
East South Central	555	682	-19.0%	497	635	29	25	NM	0	29	23
Alabama	135	171	-21.0%	82	126	27	23	0	0	26	21
Kentucky	180	190	-5.4%	180	190	0	0	0	0	0	0
Mississippi	27	22	21.0%	26	22	0	0	0	0	1	0
Tennessee	212	299	-29.0%	209	296	NM	2	NM	0	NM	1
West South Central	367	283	30.0%	214	130	141	140	NM	1	11	12
Arkansas	79	31	151.0%	56	19	15	10	0	0	8	3
Louisiana	104	70	49.0%	81	24	22	39	0	0	0	7
Oklahoma	12	20	-38.0%	12	19	0	0	NM	0	NM	0
Texas	172	162	6.2%	66	67	103	92	NM	1	NM	2
Mountain	344	358	-4.0%	309	320	30	32	NM	NM	5	6
Arizona	72	86	-16.0%	72	86	0	0	NM	0	0	0
Colorado	19	19	0.6%	19	19	0	0	0	NM	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	37	44	-15.0%	NM	16	24	28	0	0	0	0
Nevada	24	22	8.8%	19	19	NM	3	0	0	0	0
New Mexico	105	98	7.3%	105	98	0	0	0	0	NM	0
Utah	24	32	-23.0%	23	30	NM	1	0	0	NM	1
Wyoming	62	57	7.8%	58	52	0	0	0	0	4	5
Pacific Contiguous	177	119	48.0%	62	69	71	35	NM	1	42	14
California	145	76	92.0%	51	48	63	22	NM	1	31	5
Oregon	NM	13	NM	8	13	0	0	NM	0	0	0
Washington	24	31	-22.0%	NM	8	9	13	NM	0	11	10
Pacific Noncontiguous	8,949	8,696	2.9%	7,763	7,553	998	939	10	7	178	197
Alaska	1,064	919	16.0%	984	851	0	0	3	3	78	65
Hawaii	7,885	7,777	1.4%	6,779	6,702	998	939	7	4	100	132
U.S. Total	24,570	26,579	-7.6%	15,223	15,937	8,377	9,707	362	364	608	571

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

Table 2.9.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, September 2015 and September 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	5	5	-5.4%	0	0	0	0	0	0	5	5
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	4	5	-19.0%	0	0	0	0	0	0	4	5
East North Central	111	123	-9.8%	59	72	46	45	0	0	6	6
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	40	40	0.7%	40	40	0	0	0	0	0	0
Michigan	22	32	-32.0%	17	28	1	1	0	0	4	3
Ohio	45	44	2.0%	0	0	45	44	0	0	0	0
Wisconsin	4	7	-42.0%	2	4	0	0	0	0	2	3
West North Central	3	4	-13.0%	0	0	0	0	0	0	3	3
Iowa	3	4	-13.0%	0	0	0	0	0	0	3	3
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	51	2	NM	49	0	0	0	0	0	2	2
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	49	0	--	49	0	0	0	0	0	0	0
Georgia	2	2	1.5%	0	0	0	0	0	0	2	2
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	21	42	-50.0%	21	42	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	21	42	-50.0%	21	42	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	175	179	-2.4%	165	167	0	0	0	0	10	12
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	172	173	-0.8%	165	167	0	0	0	0	6	6
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3	6	-46.0%	0	0	0	0	0	0	3	6
Mountain	15	15	-0.5%	0	0	15	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	15	15	-0.5%	0	0	15	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	2	NM	0	0	NM	2	0	0	0	0
California	NM	2	NM	0	0	NM	2	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	381	372	2.5%	294	281	61	62	0	0	26	29

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

Table 2.9.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through September 2015 and September 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	38	42	-11.0%	0	0	0	0	0	0	38	42
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	34	38	-10.0%	0	0	0	0	0	0	34	38
East North Central	1,015	1,028	-1.3%	578	609	387	369	0	0	51	50
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	289	305	-5.3%	289	305	0	0	0	0	0	0
Michigan	304	304	0.1%	265	264	8	18	0	0	30	22
Ohio	379	351	7.9%	0	0	378	351	0	0	0	0
Wisconsin	43	69	-37.0%	23	41	0	0	0	0	20	28
West North Central	24	28	-13.0%	0	0	0	0	2	1	22	26
Iowa	24	28	-13.0%	0	0	0	0	2	1	22	26
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	474	467	1.3%	451	442	0	0	0	0	23	26
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	451	442	2.1%	451	442	0	0	0	0	0	0
Georgia	23	26	-13.0%	0	0	0	0	0	0	23	26
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	295	303	-2.8%	295	303	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	295	303	-2.8%	295	303	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,261	1,487	-15.0%	1,160	1,345	0	0	0	0	101	142
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,205	1,391	-13.0%	1,160	1,345	0	0	0	0	45	46
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	56	96	-42.0%	0	0	0	0	0	0	56	96
Mountain	137	107	29.0%	0	0	137	107	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	137	107	29.0%	0	0	137	107	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	8	NM	0	0	NM	8	0	0	0	0
California	NM	8	NM	0	0	NM	8	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,244	3,470	-6.5%	2,483	2,699	526	483	2	1	234	286

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

Table 2.10.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, September 2015 and September 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	37,589	33,530	12.0%	460	442	35,479	31,106	836	811	814	1,170
Connecticut	11,272	8,742	29.0%	6	26	10,433	7,995	373	317	460	404
Maine	1,823	1,909	-4.5%	0	0	1,538	1,235	NM	18	258	655
Massachusetts	16,996	14,096	21.0%	452	395	16,081	13,190	379	415	NM	96
New Hampshire	3,951	3,378	17.0%	1	18	3,921	3,326	NM	19	NM	15
Rhode Island	3,545	5,403	-34.0%	0	0	3,507	5,360	NM	NM	0	0
Vermont	1	3	-53.0%	1	3	0	0	0	0	0	0
Middle Atlantic	116,674	103,665	13.0%	11,502	10,182	103,182	91,553	897	837	1,093	1,094
New Jersey	28,852	22,893	26.0%	NM	71	28,275	22,328	NM	158	346	336
New York	47,964	42,656	12.0%	11,403	10,104	35,802	31,890	625	537	134	125
Pennsylvania	39,858	38,116	4.6%	NM	7	39,105	37,335	NM	142	613	633
East North Central	59,354	37,883	57.0%	24,640	12,933	31,761	22,715	1,415	1,186	1,538	1,048
Illinois	9,500	4,315	120.0%	1,134	248	7,327	3,112	777	736	261	219
Indiana	7,952	4,372	82.0%	6,810	2,436	718	1,633	110	73	315	229
Michigan	15,024	8,144	84.0%	4,311	2,687	9,502	4,706	363	283	848	468
Ohio	17,877	16,790	6.5%	4,404	3,845	13,353	12,855	NM	57	NM	32
Wisconsin	9,001	4,262	111.0%	7,981	3,716	861	408	79	38	80	100
West North Central	15,233	7,165	113.0%	12,323	5,943	2,364	938	358	173	188	110
Iowa	1,855	928	100.0%	1,750	849	NM	0	NM	38	NM	42
Kansas	1,762	1,357	30.0%	1,665	1,311	0	0	0	0	NM	45
Minnesota	6,506	1,599	307.0%	4,883	1,338	1,412	215	189	36	22	9
Missouri	3,678	2,901	27.0%	2,606	2,072	952	723	117	99	NM	8
Nebraska	506	212	139.0%	505	212	0	0	NM	0	0	0
North Dakota	406	144	181.0%	394	138	0	0	0	0	NM	7
South Dakota	519	24	NM	519	24	0	0	0	0	0	0
South Atlantic	206,906	175,960	18.0%	164,601	140,570	39,555	32,640	586	627	2,164	2,124
Delaware	5,867	5,683	3.2%	NM	36	4,849	4,771	0	0	970	876
District of Columbia	NM	73	NM	0	0	0	0	NM	73	0	0
Florida	106,539	96,818	10.0%	100,437	90,487	5,341	5,547	NM	23	741	761
Georgia	30,819	28,780	7.1%	18,415	19,377	12,147	9,120	0	0	257	283
Maryland	4,506	2,342	92.0%	0	0	4,001	1,793	479	521	NM	27
North Carolina	23,643	19,643	20.0%	21,336	16,677	2,242	2,922	5	0	59	43
South Carolina	11,670	6,690	74.0%	10,268	5,766	1,383	901	NM	4	NM	19
Virginia	22,051	15,200	45.0%	13,985	8,221	7,962	6,859	NM	6	99	114
West Virginia	1,741	732	138.0%	110	6	1,630	726	0	0	NM	0
East South Central	72,110	57,821	25.0%	42,253	31,399	28,677	25,317	NM	103	1,064	1,002
Alabama	33,790	33,038	2.3%	8,036	9,055	25,122	23,252	0	0	632	730
Kentucky	5,034	730	590.0%	3,786	684	1,081	0	0	0	167	45
Mississippi	26,976	20,341	33.0%	24,317	18,114	2,466	2,060	NM	9	183	158
Tennessee	6,311	3,712	70.0%	6,114	3,544	NM	5	NM	94	82	68
West South Central	233,229	205,063	14.0%	78,351	63,158	115,278	103,436	712	710	38,889	37,760
Arkansas	8,098	5,390	50.0%	4,181	834	3,782	4,426	NM	2	133	128
Louisiana	44,615	39,736	12.0%	25,389	22,333	2,047	892	NM	152	17,021	16,360
Oklahoma	20,215	15,603	30.0%	12,693	9,963	7,451	5,593	NM	0	NM	46
Texas	160,300	144,334	11.0%	36,088	30,028	101,997	92,525	546	556	21,668	21,225
Mountain	77,089	68,987	12.0%	55,734	45,680	20,123	21,836	326	441	906	1,030
Arizona	31,199	27,384	14.0%	17,930	12,860	13,161	14,337	107	186	0	0
Colorado	9,440	8,709	8.4%	7,482	6,634	1,938	2,051	0	2	NM	22
Idaho	2,910	2,383	22.0%	1,784	1,256	1,094	1,114	0	0	32	14
Montana	770	143	438.0%	708	126	NM	10	0	0	0	7
Nevada	19,985	18,417	8.5%	18,657	16,304	1,101	1,815	NM	70	175	228
New Mexico	6,810	5,844	17.0%	4,359	3,702	2,321	1,896	93	98	NM	148
Utah	5,567	5,716	-2.6%	4,746	4,766	NM	497	NM	84	323	369
Wyoming	409	392	4.3%	NM	32	NM	116	0	0	320	243
Pacific Contiguous	114,394	113,877	0.5%	43,700	43,699	63,825	61,792	1,173	1,508	5,695	6,878
California	92,275	91,144	1.2%	29,950	28,946	55,647	53,967	1,080	1,394	5,598	6,837
Oregon	11,803	11,041	6.9%	4,940	4,455	6,704	6,459	NM	105	72	22
Washington	10,315	11,692	-12.0%	8,811	10,298	1,474	1,366	NM	8	25	20
Pacific Noncontiguous	1,963	2,009	-2.3%	1,863	1,956	0	0	NM	0	NM	53
Alaska	1,963	2,009	-2.3%	1,863	1,956	0	0	NM	0	NM	53
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	934,539	805,960	16.0%	435,427	355,962	440,245	391,332	6,420	6,396	52,448	52,270

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.10.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through September 2015 and September 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	310,196	275,078	13.0%	3,594	2,961	292,284	254,558	7,200	7,144	7,119	10,414
Connecticut	94,730	81,483	16.0%	18	94	87,628	74,631	3,178	2,988	3,905	3,770
Maine	14,258	24,927	-43.0%	0	0	11,724	18,920	NM	244	2,301	5,764
Massachusetts	128,954	110,136	17.0%	3,284	2,482	121,577	103,406	3,287	3,469	805	780
New Hampshire	33,038	22,947	44.0%	274	359	32,523	22,357	NM	129	NM	101
Rhode Island	39,199	35,559	10.0%	0	0	38,832	35,244	367	315	0	0
Vermont	17	25	-31.0%	17	25	0	0	0	0	0	0
Middle Atlantic	905,179	810,284	12.0%	92,998	86,792	795,054	707,253	7,920	7,341	9,207	8,898
New Jersey	210,528	179,895	17.0%	NM	521	205,738	175,422	1,247	1,164	2,851	2,789
New York	364,735	342,436	6.5%	92,207	86,217	265,790	249,847	5,551	5,096	1,188	1,276
Pennsylvania	329,915	287,953	15.0%	NM	54	323,526	281,985	1,121	1,081	5,169	4,833
East North Central	524,906	355,595	48.0%	223,573	137,062	275,505	196,768	12,185	11,053	13,643	10,711
Illinois	68,339	37,616	82.0%	4,975	2,917	54,005	25,963	7,085	6,572	2,273	2,164
Indiana	90,995	54,674	66.0%	71,838	36,047	15,317	15,373	723	490	3,118	2,764
Michigan	127,142	84,553	50.0%	32,759	25,190	84,319	51,938	2,855	2,471	7,209	4,953
Ohio	163,116	136,901	19.0%	44,573	36,400	117,322	99,224	873	968	349	309
Wisconsin	75,313	41,850	80.0%	69,428	36,508	4,542	4,271	649	552	693	520
West North Central	118,347	77,693	52.0%	99,800	65,656	14,160	8,782	2,726	2,020	1,660	1,234
Iowa	15,413	8,102	90.0%	14,444	7,419	NM	0	437	334	531	349
Kansas	14,843	15,585	-4.8%	14,181	15,037	0	0	0	0	662	547
Minnesota	42,629	20,882	104.0%	35,112	16,420	5,648	3,140	1,549	1,089	320	234
Missouri	33,004	25,719	28.0%	23,723	19,449	8,511	5,643	739	597	NM	31
Nebraska	4,226	3,368	25.0%	4,203	3,365	0	0	NM	1	NM	2
North Dakota	2,723	1,412	93.0%	2,627	1,341	0	0	0	0	96	71
South Dakota	5,509	2,625	110.0%	5,509	2,625	0	0	0	0	0	0
South Atlantic	1,742,472	1,444,865	21.0%	1,398,172	1,183,524	317,875	239,971	5,066	5,278	21,358	16,092
Delaware	46,419	39,564	17.0%	NM	244	36,757	33,827	0	0	9,290	5,492
District of Columbia	591	591	0.1%	0	0	0	0	591	591	0	0
Florida	882,772	813,381	8.5%	828,943	759,917	46,951	46,842	NM	182	6,734	6,440
Georgia	274,029	213,294	28.0%	175,932	151,418	94,815	59,620	0	0	3,282	2,256
Maryland	34,203	19,799	73.0%	0	0	29,755	15,178	4,212	4,414	236	207
North Carolina	205,642	155,577	32.0%	181,125	136,939	23,932	18,196	34	2	551	441
South Carolina	96,221	68,150	41.0%	85,247	60,070	10,805	7,868	NM	41	130	171
Virginia	192,163	129,601	48.0%	125,284	72,996	65,705	55,474	NM	48	1,126	1,083
West Virginia	10,432	4,908	113.0%	1,267	1,940	9,156	2,967	0	0	NM	1
East South Central	652,575	496,832	31.0%	387,897	294,436	253,118	191,557	999	946	10,560	9,894
Alabama	307,240	256,331	20.0%	84,669	78,265	215,752	171,496	0	0	6,818	6,570
Kentucky	32,408	24,416	33.0%	25,292	21,372	5,691	1,512	0	0	1,425	1,531
Mississippi	257,873	179,594	44.0%	224,544	159,634	31,614	18,498	NM	75	1,638	1,387
Tennessee	55,054	36,491	51.0%	53,392	35,165	NM	50	922	871	679	406
West South Central	2,041,720	1,759,526	16.0%	674,299	573,632	1,021,602	834,534	5,974	5,844	339,846	345,515
Arkansas	89,185	54,950	62.0%	28,104	11,470	59,547	42,204	NM	19	1,516	1,257
Louisiana	397,381	357,273	11.0%	230,963	192,317	17,284	11,438	1,397	1,393	147,738	152,125
Oklahoma	195,505	164,428	19.0%	127,999	110,718	66,824	53,123	NM	0	664	586
Texas	1,359,649	1,182,875	15.0%	287,233	259,127	877,947	727,770	4,540	4,431	189,929	191,547
Mountain	542,886	484,394	12.0%	387,447	333,770	144,877	139,598	2,851	3,305	7,710	7,721
Arizona	190,112	163,189	16.0%	102,507	81,639	86,667	80,448	939	1,102	0	0
Colorado	64,625	68,259	-5.3%	48,938	51,839	15,517	16,209	0	39	170	172
Idaho	20,101	14,429	39.0%	12,493	8,002	7,269	6,189	0	0	339	238
Montana	5,690	4,484	27.0%	5,248	3,959	442	318	0	0	0	207
Nevada	154,521	124,927	24.0%	143,027	108,993	9,613	13,892	460	479	1,420	1,563
New Mexico	59,305	58,520	1.3%	36,571	38,555	21,649	18,780	812	983	273	202
Utah	45,291	48,048	-5.7%	38,247	40,546	3,587	3,586	640	702	2,817	3,214
Wyoming	3,241	2,538	28.0%	417	238	NM	174	0	0	2,691	2,125
Pacific Contiguous	775,886	772,532	0.4%	299,087	277,629	417,693	429,102	10,202	11,581	48,904	54,220
California	634,756	652,267	-2.7%	213,620	203,515	363,370	383,989	9,439	10,958	48,327	53,805
Oregon	79,558	62,242	28.0%	32,280	23,389	46,198	38,036	708	583	372	234
Washington	61,572	58,023	6.1%	53,188	50,724	8,125	7,077	55	40	205	182
Pacific Noncontiguous	21,942	24,372	-10.0%	21,126	23,703	0	0	NM	10	799	659
Alaska	21,942	24,372	-10.0%	21,126	23,703	0	0	NM	10	799	659
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,636,108	6,501,170	17.0%	3,587,994	2,979,166	3,532,168	3,002,125	55,140	54,522	460,806	465,358

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

Table 2.11.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, September 2015 and September 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	1,013	926	9.4%	0	0	933	877	NM	49	0	0
Connecticut	NM	44	NM	0	0	NM	44	0	0	0	0
Maine	NM	78	NM	0	0	NM	78	0	0	0	0
Massachusetts	382	357	7.1%	0	0	382	357	0	0	0	0
New Hampshire	176	122	45.0%	0	0	NM	73	NM	49	0	0
Rhode Island	284	277	2.4%	0	0	284	277	0	0	0	0
Vermont	NM	49	NM	0	0	NM	49	0	0	0	0
Middle Atlantic	4,941	4,918	0.5%	0	0	4,781	4,739	NM	52	NM	127
New Jersey	926	895	3.5%	0	0	899	862	NM	33	0	0
New York	1,617	1,517	6.6%	0	0	1,617	1,517	0	0	0	0
Pennsylvania	2,397	2,506	-4.4%	0	0	2,265	2,361	NM	18	NM	127
East North Central	6,071	5,326	14.0%	701	621	5,315	4,628	0	23	NM	54
Illinois	1,351	1,060	27.0%	0	0	1,351	1,060	0	0	0	0
Indiana	699	630	11.0%	671	599	NM	15	0	0	NM	17
Michigan	1,936	1,930	0.3%	0	0	1,936	1,930	0	0	0	0
Ohio	1,006	851	18.0%	NM	11	991	840	0	0	0	0
Wisconsin	1,079	854	26.0%	NM	11	1,023	783	0	23	NM	37
West North Central	992	706	40.0%	296	235	696	471	0	0	0	0
Iowa	241	208	16.0%	0	0	241	208	0	0	0	0
Kansas	142	7	NM	0	0	142	7	0	0	0	0
Minnesota	347	257	35.0%	NM	57	267	200	0	0	0	0
Missouri	145	140	3.0%	NM	84	NM	56	0	0	0	0
Nebraska	117	94	24.0%	117	94	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	4,240	4,396	-3.6%	483	385	3,386	3,529	192	304	179	178
Delaware	152	122	24.0%	0	0	126	98	0	0	NM	24
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	642	653	-1.6%	167	150	476	503	0	0	0	0
Georgia	362	284	27.0%	0	0	289	211	NM	35	NM	38
Maryland	245	267	-8.4%	0	0	175	168	NM	100	0	0
North Carolina	999	1,632	-39.0%	0	0	932	1,484	NM	149	0	0
South Carolina	461	370	25.0%	309	229	NM	25	0	0	NM	116
Virginia	1,367	1,060	29.0%	NM	6	1,342	1,033	NM	21	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	493	412	20.0%	201	157	292	255	0	0	0	0
Alabama	NM	74	NM	0	0	NM	74	0	0	0	0
Kentucky	213	166	28.0%	201	157	NM	9	0	0	0	0
Mississippi	NM	10	NM	0	0	NM	10	0	0	0	0
Tennessee	167	162	3.1%	0	0	167	162	0	0	0	0
West South Central	1,499	827	81.0%	0	0	1,462	803	NM	24	0	0
Arkansas	152	67	127.0%	0	0	152	67	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	NM	33	NM	0	0	NM	33	0	0	0	0
Texas	1,310	728	80.0%	0	0	1,274	703	NM	24	0	0
Mountain	485	455	6.5%	NM	68	404	375	0	13	0	0
Arizona	145	127	14.0%	NM	52	NM	75	0	0	0	0
Colorado	NM	104	NM	0	0	NM	104	0	0	0	0
Idaho	NM	68	NM	NM	16	NM	38	0	13	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	NM	42	NM	0	0	NM	42	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	134	115	17.0%	0	0	134	115	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,090	5,639	-9.7%	620	677	3,045	3,221	1,426	1,740	0	0
California	4,075	4,686	-13.0%	153	277	2,535	2,718	1,387	1,691	0	0
Oregon	556	565	-1.5%	124	124	393	392	NM	49	0	0
Washington	460	388	18.0%	343	276	117	112	0	0	0	0
Pacific Noncontiguous	NM	85	NM	0	0	0	0	NM	85	0	0
Alaska	NM	85	NM	0	0	0	0	NM	85	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	24,872	23,690	5.0%	2,382	2,143	20,314	18,898	1,817	2,290	359	359

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

Table 2.11.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector, Year-to-Date through September 2015 and September 2014 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	10,168	9,044	12.0%	0	0	9,430	8,540	738	503	0	0
Connecticut	428	397	7.7%	0	0	428	397	0	0	0	0
Maine	763	643	19.0%	0	0	763	643	0	0	0	0
Massachusetts	3,671	3,144	17.0%	0	0	3,671	3,144	0	0	0	0
New Hampshire	1,658	1,442	15.0%	0	0	920	938	738	503	0	0
Rhode Island	3,198	2,978	7.4%	0	0	3,198	2,978	0	0	0	0
Vermont	450	439	2.5%	0	0	450	439	0	0	0	0
Middle Atlantic	47,431	42,129	13.0%	0	0	45,792	40,592	464	440	1,175	1,097
New Jersey	8,882	7,340	21.0%	0	0	8,549	7,059	332	281	0	0
New York	15,551	12,719	22.0%	0	0	15,551	12,719	0	0	0	0
Pennsylvania	22,998	22,071	4.2%	0	0	21,692	20,814	NM	159	1,175	1,097
East North Central	59,135	51,973	14.0%	6,715	5,292	51,743	45,930	139	230	537	520
Illinois	13,483	13,225	2.0%	0	0	13,483	13,225	0	0	0	0
Indiana	6,735	5,320	27.0%	6,443	5,054	143	123	0	0	150	143
Michigan	18,618	15,301	22.0%	0	0	18,618	15,301	0	0	0	0
Ohio	9,647	9,437	2.2%	134	123	9,514	9,314	0	0	0	0
Wisconsin	10,651	8,689	23.0%	139	115	9,985	7,967	139	230	388	377
West North Central	9,484	8,101	17.0%	2,784	2,227	6,700	5,874	0	0	0	0
Iowa	2,321	1,926	21.0%	0	0	2,321	1,926	0	0	0	0
Kansas	1,369	1,288	6.2%	0	0	1,369	1,288	0	0	0	0
Minnesota	3,315	2,764	20.0%	743	563	2,572	2,201	0	0	0	0
Missouri	1,348	1,203	12.0%	909	743	439	460	0	0	0	0
Nebraska	1,131	921	23.0%	1,131	921	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	41,270	39,324	4.9%	4,594	3,968	32,347	30,856	2,304	2,574	2,025	1,925
Delaware	1,476	1,303	13.0%	0	0	1,211	1,045	0	0	265	258
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	6,049	6,592	-8.2%	1,587	1,472	4,461	5,119	0	1	0	0
Georgia	3,631	3,275	11.0%	0	0	2,779	2,432	419	408	433	435
Maryland	2,366	2,278	3.9%	0	0	1,674	1,430	692	848	0	0
North Carolina	9,938	11,283	-12.0%	0	0	8,948	10,172	990	1,112	0	0
South Carolina	4,590	3,931	17.0%	2,933	2,435	329	265	0	0	1,328	1,232
Virginia	13,119	10,566	24.0%	74	61	12,842	10,300	203	205	0	0
West Virginia	101	NM	NM	0	0	101	NM	0	0	0	0
East South Central	4,732	4,203	13.0%	1,929	1,760	2,803	2,444	0	0	0	0
Alabama	861	825	4.4%	0	0	861	825	0	0	0	0
Kentucky	2,042	1,859	9.9%	1,929	1,760	113	99	0	0	0	0
Mississippi	223	192	16.0%	0	0	223	192	0	0	0	0
Tennessee	1,606	1,328	21.0%	0	0	1,606	1,328	0	0	0	0
West South Central	14,443	12,957	11.0%	0	0	14,055	12,570	389	387	0	0
Arkansas	1,472	1,120	32.0%	0	0	1,472	1,120	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	346	269	29.0%	0	0	346	269	0	0	0	0
Texas	12,625	11,569	9.1%	0	0	12,237	11,182	389	387	0	0
Mountain	4,664	4,198	11.0%	769	635	3,895	3,496	0	67	0	0
Arizona	1,389	1,183	17.0%	584	483	805	700	0	0	0	0
Colorado	966	974	-0.9%	0	0	966	974	0	0	0	0
Idaho	535	578	-7.4%	185	151	350	359	0	67	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	477	393	21.0%	0	0	477	393	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1,297	1,070	21.0%	0	0	1,297	1,070	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	50,336	48,472	3.8%	6,489	5,698	29,174	26,593	14,673	16,181	0	0
California	40,493	40,834	-0.8%	1,982	2,399	24,258	22,638	14,254	15,797	0	0
Oregon	5,412	4,414	23.0%	1,197	968	3,795	3,062	420	384	0	0
Washington	4,431	3,224	37.0%	3,310	2,331	1,121	893	0	0	0	0
Pacific Noncontiguous	790	735	7.5%	0	0	0	0	790	735	0	0
Alaska	790	735	7.5%	0	0	0	0	790	735	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	242,454	221,136	9.6%	23,279	19,579	195,940	176,895	19,497	21,118	3,738	3,543

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

Table 2.12.A. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, September 2015 and September 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	282	319	-12.0%	0	0	269	297	13	22	0	0
Connecticut	94	116	-19.0%	0	0	94	110	0	6	0	0
Maine	20	27	-25.0%	0	0	7	10	13	16	0	0
Massachusetts	159	167	-4.9%	0	0	159	167	0	0	0	0
New Hampshire	8	9	-9.2%	0	0	8	9	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	413	452	-8.6%	0	0	328	354	84	97	0	0
New Jersey	108	117	-7.9%	0	0	78	87	30	30	0	0
New York	153	172	-11.0%	0	0	121	127	32	45	0	0
Pennsylvania	152	163	-6.6%	0	0	129	140	23	23	0	0
East North Central	23	23	2.2%	4	2	0	0	20	21	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-24.0%	0	0	0	0	1	1	0	0
Michigan	19	20	-5.3%	0	0	0	0	19	20	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	4	2	105.0%	4	2	0	0	0	0	0	0
West North Central	55	54	1.5%	39	36	15	18	NM	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	55	54	1.5%	39	36	15	18	NM	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	419	435	-3.8%	55	0	334	403	30	32	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	288	280	2.7%	55	0	233	280	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	68	71	-4.2%	0	0	68	71	NM	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	62	84	-26.0%	0	0	32	52	30	32	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	1	-100.0%	0	0	0	0	0	0	0	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	1	-100.0%	0	0	0	0	0	0	0	1
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	NM	0	NM	0	0	NM	0	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	0	NM	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	57	69	-17.0%	0	0	57	69	0	0	0	0
California	39	45	-15.0%	0	0	39	45	0	0	0	0
Oregon	7	8	-18.0%	0	0	7	8	0	0	0	0
Washington	11	15	-26.0%	0	0	11	15	0	0	0	0
Pacific Noncontiguous	35	32	7.8%	0	0	0	0	35	32	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	35	32	7.8%	0	0	0	0	35	32	0	0
U.S. Total	1,282	1,384	-7.4%	97	38	1,002	1,141	183	205	0	1

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.12.B. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, Year-to-Date through September 2015 and September 2014 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	2,633	2,955	-11.0%	0	0	2,488	2,749	144	206	0	0
Connecticut	911	1,085	-16.0%	0	0	889	1,027	22	58	0	0
Maine	191	232	-17.0%	0	0	68	83	123	148	0	0
Massachusetts	1,452	1,545	-6.0%	0	0	1,452	1,545	0	0	0	0
New Hampshire	79	93	-15.0%	0	0	79	93	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,748	3,941	-4.9%	0	0	2,980	3,098	768	843	0	0
New Jersey	944	1,040	-9.2%	0	0	682	783	262	257	0	0
New York	1,384	1,485	-6.8%	0	0	1,080	1,104	304	381	0	0
Pennsylvania	1,421	1,417	0.3%	0	0	1,218	1,212	202	205	0	0
East North Central	184	187	-1.7%	30	25	0	0	154	162	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	7	9	-22.0%	0	0	0	0	7	9	0	0
Michigan	147	153	-3.5%	0	0	0	0	147	153	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	30	25	17.0%	30	25	0	0	0	0	0	0
West North Central	465	501	-7.3%	314	311	139	168	11	22	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	465	501	-7.3%	314	311	139	168	11	22	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,786	4,061	-6.8%	171	0	3,343	3,747	272	314	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,482	2,648	-6.3%	171	0	2,311	2,648	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	601	604	-0.5%	0	0	601	604	NM	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	703	809	-13.0%	0	0	431	495	272	314	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	2	4	-48.0%	0	0	0	0	0	0	2	4
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	2	4	-48.0%	0	0	0	0	0	0	2	4
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	1	2	-16.0%	0	0	1	2	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1	2	-16.0%	0	0	1	2	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	530	618	-14.0%	0	0	530	618	0	0	0	0
California	359	405	-11.0%	0	0	359	405	0	0	0	0
Oregon	65	87	-24.0%	0	0	65	87	0	0	0	0
Washington	106	126	-16.0%	0	0	106	126	0	0	0	0
Pacific Noncontiguous	290	293	-1.1%	0	0	0	0	290	293	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	290	293	-1.1%	0	0	0	0	290	293	0	0
U.S. Total	11,639	12,562	-7.3%	514	336	9,482	10,381	1,641	1,840	2	4

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2005 - September 2015

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
2005	101,137	47,414	530	77,457	29,532	374	23,680	17,882	156
2006	140,964	48,216	674	110,277	29,799	456	30,688	18,416	217
2007	151,221	44,433	554	120,504	28,032	253	30,717	16,401	301
2008	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	185,116	32,224	495	150,942	23,875	414	34,174	8,349	81
2013	147,884	31,673	390	120,792	22,494	303	27,092	9,179	86
2014	151,548	33,505	827	116,684	22,487	686	34,864	11,018	142
Year 2013, End of Month Stocks									
January	178,859	31,314	442	145,550	23,442	358	33,309	7,872	84
February	175,565	31,205	442	144,081	23,182	362	31,484	8,023	81
March	171,736	32,199	407	141,891	23,917	323	29,845	8,281	84
April	173,014	31,569	456	143,082	23,399	387	29,933	8,169	69
May	177,174	31,494	443	144,824	23,305	348	32,350	8,189	96
June	171,124	31,313	408	139,705	23,148	303	31,418	8,165	105
July	160,019	30,804	394	131,967	22,770	279	28,053	8,034	115
August	154,567	31,436	260	127,153	23,070	183	27,414	8,366	77
Sept	152,694	31,428	309	125,579	22,618	191	27,115	8,811	118
October	154,194	31,771	291	125,616	22,696	214	28,578	9,075	77
November	156,249	32,620	338	126,611	22,827	250	29,638	9,793	88
December	147,884	31,673	390	120,792	22,494	303	27,092	9,179	86
Year 2014, End of Month Stocks									
January	133,705	27,553	298	108,249	20,649	216	25,456	6,904	83
February	119,904	29,158	277	97,363	20,964	202	22,541	8,195	74
March	118,260	29,197	350	96,029	21,341	282	22,231	7,855	67
April	128,925	29,568	515	103,431	21,583	451	25,494	7,985	64
May	136,921	29,376	458	108,064	21,446	374	28,856	7,930	84
June	133,479	29,738	397	103,948	21,568	343	29,531	8,170	54
July	125,870	29,120	381	97,829	20,967	300	28,041	8,152	81
August	121,369	29,346	388	93,552	21,205	289	27,817	8,141	99
Sept	124,546	29,789	389	96,266	21,338	297	28,280	8,451	92
October	136,964	30,883	510	105,094	21,741	394	31,870	9,142	117
November	142,595	32,829	633	110,221	22,103	502	32,374	10,726	131
December	151,548	33,505	827	116,684	22,487	686	34,864	11,018	142
Year 2015, End of Month Stocks									
January	154,691	32,637	892	119,780	22,000	742	34,911	10,636	150
February	149,671	28,198	850	116,902	19,955	723	32,769	8,243	127
March	154,841	29,066	818	122,153	20,679	698	32,687	8,387	120
April	167,490	28,970	912	131,479	20,608	776	36,010	8,362	136
May	173,214	29,352	999	135,670	20,749	856	37,544	8,603	143
June	166,810	29,396	1,031	131,853	20,694	883	34,957	8,702	149
July	158,330	29,022	1,065	125,614	20,395	909	32,716	8,627	156
August	156,277	28,915	1,029	124,558	20,081	891	31,719	8,834	138
Sept	162,373	29,956	1,102	129,629	20,249	973	32,743	9,707	129

Notes: See Glossary for definitions. Values for 2014 and prior years are final. Values for 2015 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, September 2015 and 2014

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	September 2015	September 2014	Percentage Change	September 2015	September 2014	Percentage Change	September 2015	September 2014	Percentage Change
New England	1,564	1,628	-3.9%	3,772	3,014	25.1%	0	0	--
Connecticut	W	W	W	1,289	1,041	23.9%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,461	1,164	25.5%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	W	W	W	W	W	0	0	--
Vermont	0	0	--	48	52	-6.6%	0	0	--
Middle Atlantic	7,131	7,010	1.7%	4,862	4,654	4.5%	W	W	W
New Jersey	919	814	12.9%	728	594	22.7%	0	0	--
New York	448	740	-39.4%	2,788	3,052	-8.6%	0	0	--
Pennsylvania	5,765	5,457	5.6%	1,346	1,009	33.4%	W	W	W
East North Central	34,838	26,314	32.4%	1,077	1,198	-10.1%	107	80	34.0%
Illinois	7,996	6,530	22.5%	78	105	-25.6%	0	0	--
Indiana	9,738	7,154	36.1%	105	190	-44.9%	0	0	--
Michigan	6,808	4,754	43.2%	317	356	-10.9%	W	W	W
Ohio	5,868	5,214	12.5%	351	315	11.4%	W	W	W
Wisconsin	4,428	2,663	66.3%	226	232	-2.6%	W	W	W
West North Central	26,302	18,058	45.7%	1,616	1,510	7.0%	0	0	--
Iowa	5,063	4,074	24.3%	156	179	-12.9%	0	0	--
Kansas	3,960	2,660	48.9%	664	543	22.2%	0	0	--
Minnesota	4,391	W	W	125	143	-12.3%	0	0	--
Missouri	8,309	4,940	68.2%	399	283	41.3%	0	0	--
Nebraska	2,578	2,698	-4.5%	200	256	-21.8%	0	0	--
North Dakota	W	1,742	W	40	37	9.4%	0	0	--
South Dakota	W	W	W	32	70	-54.5%	0	0	--
South Atlantic	29,392	25,090	17.1%	11,839	12,024	-1.5%	W	W	W
Delaware	W	W	W	445	262	70.3%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	6,175	4,443	39.0%	5,567	5,984	-7.0%	W	W	W
Georgia	4,561	4,490	1.6%	866	827	4.7%	0	0	--
Maryland	1,628	1,416	15.0%	791	733	7.9%	0	0	--
North Carolina	5,940	5,063	17.3%	1,131	1,167	-3.1%	0	0	--
South Carolina	5,576	3,519	58.5%	713	702	1.5%	0	0	--
Virginia	1,793	W	W	2,194	2,189	0.2%	0	0	--
West Virginia	W	4,125	W	132	160	-17.3%	W	W	W
East South Central	15,374	14,753	4.2%	1,965	1,865	5.4%	W	W	W
Alabama	3,535	3,435	2.9%	395	263	50.1%	0	0	--
Kentucky	7,387	7,087	4.2%	253	256	-1.0%	W	W	W
Mississippi	1,393	1,283	8.6%	576	588	-2.1%	0	0	--
Tennessee	3,059	2,948	3.7%	741	758	-2.2%	0	0	--
West South Central	25,756	15,860	62.4%	1,914	1,938	-1.3%	W	W	W
Arkansas	3,967	2,101	88.8%	W	W	W	0	0	--
Louisiana	3,367	2,853	18.0%	447	434	3.1%	W	W	W
Oklahoma	4,089	1,896	115.6%	W	W	W	0	0	--
Texas	14,332	9,009	59.1%	1,187	1,221	-2.8%	0	0	--
Mountain	19,895	14,257	39.5%	397	869	-54.3%	W	W	W
Arizona	4,087	2,377	72.0%	136	155	-12.1%	0	0	--
Colorado	5,565	2,731	103.8%	W	254	W	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	1,043	801	30.1%	15	177	-91.7%	0	0	--
New Mexico	W	W	W	35	W	W	0	0	--
Utah	3,712	3,312	12.1%	45	42	8.1%	0	0	--
Wyoming	3,437	3,118	10.2%	32	31	0.4%	0	0	--
Pacific Contiguous	W	W	W	325	333	-2.3%	0	0	--
California	0	W	W	W	165	W	0	0	--
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	103	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,189	2,384	-8.2%	0	0	--
Alaska	W	W	W	59	287	-79.3%	0	0	--
Hawaii	W	W	W	2,129	2,097	1.5%	0	0	--
U.S. Total	162,373	124,546	30.4%	29,956	29,789	0.6%	1,102	389	183.2%

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, September 2015 and 2014

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**September 2015**	**September 2014**	**Percentage Change**	**September 2015**	**September 2014**	**September 2015**	**September 2014**
Coal (Thousand Tons)							
New England	1,564	1,628	-3.9%	W	W	W	W
Middle Atlantic	7,131	7,010	1.7%	0	W	7,131	W
East North Central	34,838	26,314	32.4%	24,442	17,630	10,396	8,685
West North Central	26,302	18,058	45.7%	26,302	W	0	W
South Atlantic	29,392	25,090	17.1%	26,825	22,446	2,567	2,644
East South Central	15,374	14,753	4.2%	15,374	14,753	0	0
West South Central	25,756	15,860	62.4%	16,342	8,907	9,414	6,952
Mountain	19,895	14,257	39.5%	W	13,081	W	1,176
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**162,373**	**124,546**	**30.4%**	**129,629**	**96,266**	**32,743**	**28,280**
Petroleum Liquids (Thousand Barrels)							
New England	3,772	3,014	25.1%	685	657	3,087	2,357
Middle Atlantic	4,862	4,654	4.5%	1,638	1,545	3,224	3,109
East North Central	1,077	1,198	-10.1%	782	W	295	W
West North Central	1,616	1,510	7.0%	1,591	1,483	25	27
South Atlantic	11,839	12,024	-1.5%	9,600	10,085	2,239	1,939
East South Central	1,965	1,865	5.4%	W	W	W	W
West South Central	1,914	1,938	-1.3%	1,426	W	487	W
Mountain	397	869	-54.3%	368	W	30	W
Pacific Contiguous	325	333	-2.3%	W	W	W	W
Pacific Noncontiguous	2,189	2,384	-8.2%	W	W	W	W
U.S. Total	**29,956**	**29,789**	**0.6%**	**20,249**	**21,338**	**9,707**	**8,451**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	107	80	34.0%	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	0	0
West South Central	W	W	W	W	W	0	0
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	0	0	--	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**1,102**	**389**	**183.2%**	**973**	**W**	**129**	**W**

W = Withheld to avoid disclosure of individual company data.
Notes: See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2005 - September 2015

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
2005	52,923	44,377	3,836	101,137
2006	67,760	68,408	4,797	140,964
2007	63,964	82,692	4,565	151,221
2008	65,818	91,214	4,556	161,589
2009	91,922	92,448	5,097	189,467
2010	81,108	86,915	6,894	174,917
2011	82,056	85,151	5,179	172,387
2012	86,437	93,833	4,846	185,116
2013	73,113	69,720	5,051	147,884
2014	72,771	72,552	6,225	151,548
Year 2013, End of Month Stocks				
January	83,501	90,693	4,664	178,859
February	81,835	89,227	4,504	175,565
March	80,528	86,416	4,792	171,736
April	82,756	85,182	5,076	173,014
May	84,487	86,439	6,248	177,174
June	82,016	82,922	6,186	171,124
July	75,887	78,372	5,760	160,019
August	73,002	75,970	5,595	154,567
Sept	72,121	75,001	5,571	152,694
October	74,079	74,620	5,496	154,194
November	75,232	75,683	5,334	156,249
December	73,113	69,720	5,051	147,884
Year 2014, End of Month Stocks				
January	63,618	64,709	5,378	133,705
February	56,041	58,418	5,445	119,904
March	55,150	57,657	5,453	118,260
April	60,602	62,266	6,056	128,925
May	63,782	66,827	6,311	136,921
June	62,679	64,378	6,423	133,479
July	60,134	59,514	6,222	125,870
August	60,128	54,787	6,453	121,369
Sept	63,031	55,432	6,082	124,546
October	69,246	61,368	6,350	136,964
November	70,666	66,105	5,824	142,595
December	72,771	72,552	6,225	151,548
Year 2015, End of Month Stocks				
January	70,461	78,677	5,552	154,691
February	64,613	79,761	5,296	149,671
March	65,597	84,300	4,944	154,841
April	71,044	91,251	5,195	167,490
May	74,266	93,842	5,107	173,214
June	72,967	89,125	4,718	166,810
July	68,318	85,227	4,785	158,330
August	67,819	83,938	4,520	156,277
Sept	70,397	87,401	4,575	162,373

Notes: See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
and predecessor forms. Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms. Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following:
Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report;
and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2005 - September 2015

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2005	20,647,307	1,021,437	1.54	31.20	0.98	95.9	986,258	157,221	7.59	47.61	0.77	84.7
2006	21,735,101	1,079,943	1.69	34.09	0.97	102.5	406,869	65,002	8.68	54.35	0.73	74.0
2007	21,152,358	1,054,664	1.77	35.48	0.96	98.6	375,260	60,068	9.59	59.93	0.71	62.6
2008	21,280,258	1,069,709	2.07	41.14	0.97	100.5	375,684	61,139	15.52	95.38	0.61	99.6
2009	19,437,966	981,477	2.21	43.74	1.01	102.8	330,043	54,181	10.25	62.47	0.54	104.8
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1
2011	18,675,843	956,538	2.39	46.65	1.19	100.0	216,752	36,158	19.94	119.54	0.60	116.1
2012	16,265,578	841,183	2.38	46.09	1.25	99.5	116,937	19,464	21.85	131.28	0.51	75.7
2013	15,906,809	823,222	2.34	45.33	1.29	93.7	123,964	20,413	20.56	124.90	0.46	76.5
2014	16,594,722	854,560	2.37	45.96	1.32	98.0	172,421	28,514	19.87	120.26	0.46	82.3
Year 2013												
January	1,342,301	69,783	2.34	45.09	1.27	90.9	10,766	1,787	21.00	126.64	0.50	52.0
February	1,229,209	63,662	2.34	45.28	1.34	92.7	10,780	1,756	21.02	129.19	0.46	79.8
March	1,291,446	66,546	2.35	45.68	1.34	92.3	14,263	2,321	20.15	123.86	0.46	123.8
April	1,229,373	62,822	2.37	46.51	1.36	100.9	6,131	1,025	21.53	128.84	0.52	53.1
May	1,328,111	68,190	2.37	46.23	1.31	103.1	8,658	1,428	20.70	125.53	0.50	70.1
June	1,319,801	68,294	2.36	45.62	1.26	89.3	7,007	1,170	20.96	125.57	0.50	60.6
July	1,392,487	72,998	2.31	44.14	1.19	86.1	10,748	1,782	20.51	123.69	0.48	64.4
August	1,465,659	76,277	2.33	44.76	1.26	91.4	11,993	1,962	19.70	120.41	0.44	98.8
Sept	1,359,392	70,489	2.35	45.29	1.29	95.1	9,904	1,630	20.17	122.66	0.38	90.9
October	1,318,098	67,874	2.34	45.49	1.33	100.1	10,145	1,675	20.86	126.37	0.43	92.5
November	1,311,392	67,740	2.33	45.11	1.29	100.3	12,818	2,105	20.10	122.51	0.46	111.3
December	1,319,540	68,548	2.34	45.06	1.29	86.8	10,751	1,775	20.95	126.83	0.45	58.5
Year 2014												
January	1,319,894	69,313	2.29	43.69	1.25	81.1	27,209	4,554	21.85	130.73	0.43	42.0
February	1,217,895	62,838	2.32	45.04	1.34	80.8	26,164	4,306	21.60	131.42	0.45	124.7
March	1,400,614	71,444	2.36	46.35	1.35	96.8	15,224	2,519	21.94	132.68	0.45	66.7
April	1,339,967	68,102	2.39	46.96	1.33	114.5	8,983	1,487	21.71	131.18	0.42	84.5
May	1,383,924	70,623	2.40	46.93	1.37	107.9	8,655	1,437	21.18	127.58	0.46	77.4
June	1,366,947	70,055	2.38	46.50	1.35	92.5	9,334	1,546	21.41	129.29	0.45	90.4
July	1,431,182	73,973	2.38	45.96	1.27	89.2	8,455	1,399	21.29	128.62	0.50	74.0
August	1,488,018	76,671	2.37	45.95	1.32	92.9	9,182	1,509	20.62	125.46	0.52	77.3
Sept	1,403,234	72,158	2.37	46.16	1.33	102.4	10,222	1,686	19.67	119.51	0.51	92.8
October	1,416,761	72,959	2.31	44.84	1.29	116.8	12,851	2,134	18.49	111.46	0.48	121.4
November	1,372,572	71,000	2.30	44.54	1.29	107.4	17,787	2,959	16.53	99.41	0.43	155.7
December	1,453,713	75,424	2.51	48.34	1.29	108.7	18,356	2,977	13.87	85.54	0.49	155.0
Year 2015												
January	1,398,063	72,404	2.29	44.17	1.29	99.2	13,263	2,192	12.75	77.17	0.57	59.5
February	1,157,768	60,083	2.26	43.53	1.30	87.7	20,151	3,312	12.59	76.71	0.51	35.8
March	1,218,280	62,520	2.26	44.02	1.29	104.4	15,791	2,608	W	W	0.70	125.9
April	1,165,784	60,030	2.25	43.68	1.33	120.3	9,163	1,522	13.18	79.55	0.43	86.6
May	1,209,860	61,852	2.26	44.25	1.35	105.5	11,087	1,828	12.56	76.29	0.45	93.5
June	1,182,487	60,862	2.25	43.72	1.37	86.2	9,805	1,620	13.56	82.07	0.49	81.6
July	1,289,026	67,407	2.21	42.29	1.25	86.0	8,779	1,450	12.58	76.24	0.48	64.1
August	1,375,086	70,997	2.23	43.22	1.31	94.0	9,196	1,538	12.05	72.78	0.47	74.6
Sept	1,340,736	69,472	2.22	42.78	1.31	104.5	14,405	2,364	9.69	59.04	0.49	120.7
Year to Date												
2013	11,957,779	619,060	2.35	45.37	1.29	93.1	90,250	14,859	20.55	124.84	0.46	74.5
2014	12,351,677	635,176	2.36	45.96	1.32	94.3	123,427	20,443	21.41	129.37	0.46	70.4
2015	11,337,091	585,627	2.25	43.50	1.31	97.5	111,642	18,435	12.33	74.80	0.52	68.3
Rolling 12 Months Ending in September												
2014	16,300,707	839,339	2.36	45.78	1.32	94.5	157,141	25,998	21.23	128.44	0.46	72.6
2015	15,580,137	805,010	2.28	44.17	1.30	100.8	160,636	26,505	W	W	0.50	81.4

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
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See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2005 - September 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2005	211,776	7,502	1.11	31.35	5.15	82.3	6,356,868	6,181,717	8.21	8.44	88.1	3.25
2006	203,270	7,193	1.33	37.46	5.15	83.4	6,855,680	6,675,246	6.94	7.13	90.2	3.02
2007	161,091	5,656	1.51	43.02	5.07	77.5	7,396,233	7,200,316	7.11	7.30	90.4	3.23
2008	199,724	7,040	2.11	59.72	4.98	111.5	8,089,467	7,879,046	9.01	9.26	102.5	4.12
2009	197,921	6,954	1.61	45.89	4.63	119.3	8,319,329	8,118,550	4.74	4.86	102.3	3.04
2010	169,508	5,963	2.28	64.85	4.79	98.5	8,867,396	8,673,070	5.09	5.20	102.0	3.26
2011	171,100	5,980	3.03	86.78	5.01	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.29
2012	119,667	4,180	2.24	64.14	5.55	83.3	9,746,691	9,531,389	3.42	3.50	91.9	2.83
2013	132,474	4,660	2.18	61.95	5.41	73.5	8,721,114	8,503,424	4.33	4.44	89.7	3.09
2014	147,310	5,195	1.98	56.23	5.56	91.2	8,679,286	8,431,423	5.00	5.14	89.6	3.31
Year 2013												
January	10,103	355	2.04	58.21	5.61	68.1	676,695	660,645	4.38	4.49	89.1	3.08
February	9,754	343	2.09	59.50	5.40	82.5	607,094	592,786	4.39	4.50	88.9	3.09
March	8,239	290	2.08	59.25	5.47	58.8	649,452	633,519	4.30	4.40	89.2	3.09
April	11,240	396	2.28	64.98	5.35	86.8	609,479	594,620	4.67	4.79	89.3	3.15
May	11,758	412	2.34	66.64	5.37	68.8	665,433	648,152	4.62	4.75	90.4	3.15
June	11,528	407	2.42	68.49	5.07	67.1	782,722	762,845	4.42	4.54	90.6	3.14
July	12,215	428	2.29	65.47	5.44	69.6	949,493	924,645	4.20	4.31	90.0	3.11
August	10,902	381	2.25	64.57	5.38	58.3	940,629	917,829	3.91	4.00	90.4	2.99
Sept	12,370	433	2.17	61.88	5.36	77.7	794,084	774,415	4.08	4.18	90.3	3.02
October	12,201	432	2.13	60.26	5.37	82.8	683,580	666,361	4.11	4.21	89.8	2.99
November	9,653	339	1.91	54.26	5.43	84.7	647,943	631,751	4.19	4.30	89.3	3.01
December	12,511	444	2.02	57.05	5.66	89.4	714,509	695,857	4.91	5.04	88.7	3.26
Year 2014												
January	10,073	357	1.82	51.28	5.26	66.1	708,775	691,024	7.02	7.20	88.4	4.07
February	10,261	363	W	W	5.47	79.9	588,885	573,618	7.40	7.59	88.4	W
March	13,196	468	2.02	57.09	5.81	88.8	607,103	591,486	6.00	6.16	89.1	3.52
April	12,986	459	2.13	60.37	5.94	109.7	594,114	578,726	5.07	5.20	89.5	3.23
May	12,640	448	2.19	61.62	5.55	89.0	690,306	671,336	4.93	5.07	89.7	3.25
June	11,659	409	2.07	59.14	5.77	77.7	760,055	738,843	4.84	4.98	89.9	3.27
July	11,616	407	1.90	54.16	5.69	81.6	887,618	861,696	4.43	4.57	90.4	3.17
August	12,764	448	1.97	56.12	5.52	90.8	945,250	916,932	4.12	4.24	90.8	3.06
Sept	11,787	414	1.92	54.55	5.43	85.5	813,131	788,357	4.20	4.33	90.0	3.06
October	11,011	390	1.79	50.65	5.31	123.3	745,276	722,544	4.10	4.23	89.5	2.96
November	12,217	431	1.86	52.74	5.45	109.7	648,562	628,693	4.48	4.62	89.3	3.06
December	17,100	600	2.00	57.09	5.41	111.5	690,212	668,170	4.36	4.50	89.3	3.14
Year 2015												
January	13,724	484	2.03	57.48	5.23	89.7	758,731	735,038	4.10	4.23	88.8	2.93
February	9,660	338	1.79	51.07	5.30	60.9	691,450	669,640	4.67	4.83	89.2	3.20
March	9,506	338	2.03	57.09	5.17	79.5	753,516	729,499	3.54	3.66	89.2	W
April	11,059	392	1.99	56.16	5.01	93.3	716,775	693,083	3.09	3.20	90.2	2.59
May	11,883	419	2.05	58.07	5.24	94.4	786,897	760,840	3.14	3.24	90.1	2.64
June	9,380	330	1.89	53.88	5.57	78.2	933,405	901,594	3.11	3.22	90.2	2.65
July	12,797	451	1.93	54.69	5.08	85.9	1,091,608	1,054,927	3.11	3.22	90.7	2.63
August	11,327	396	1.85	52.86	5.02	79.0	1,064,645	1,029,862	3.10	3.21	90.1	2.62
Sept	13,033	458	1.76	50.19	5.13	93.7	941,441	909,925	3.06	3.16	90.1	2.58
Year to Date												
2013	98,109	3,445	2.23	63.51	5.38	70.0	6,675,082	6,509,456	4.30	4.41	89.9	3.09
2014	106,982	3,774	2.01	57.08	5.62	84.9	6,595,236	6,412,017	5.22	5.36	89.7	3.39
2015	102,370	3,605	1.92	54.66	5.19	83.5	7,738,468	7,484,408	3.38	3.50	89.9	2.73
Rolling 12 Months Ending in September												
2014	141,347	4,989	W	W	5.59	85.0	8,641,269	8,405,985	5.02	5.16	89.6	W
2015	142,698	5,025	1.92	54.47	5.24	90.3	9,822,517	9,503,814	3.58	3.70	89.8	W

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

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2005 - September 2015

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2005	15,836,924	775,890	1.53	31.22	0.94	101.9	566,320	89,303	7.17	45.46	0.89	90.9
2006	16,197,852	797,361	1.69	34.26	0.92	105.8	269,033	42,415	8.33	52.80	0.82	79.2
2007	15,561,395	767,377	1.78	36.06	0.92	100.3	216,349	34,026	9.24	58.73	0.77	59.8
2008	15,347,396	764,399	2.06	41.32	0.93	100.5	240,937	38,891	15.83	98.09	0.60	99.7
2009	14,402,019	719,253	2.22	44.47	0.99	103.4	202,598	32,959	10.44	64.18	0.51	103.5
2010	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.48	101.0
2011	13,871,559	699,353	2.40	47.67	1.16	101.5	144,255	23,859	20.30	122.72	0.53	114.5
2012	11,939,543	609,445	2.43	47.51	1.18	99.0	86,030	14,252	22.11	133.44	0.41	81.3
2013	11,595,328	592,772	2.38	46.51	1.23	92.9	78,101	12,814	21.09	128.57	0.43	76.2
2014	12,064,810	614,728	2.39	46.95	1.21	98.3	98,357	16,161	19.90	121.14	0.44	82.0
Year 2013												
January	966,431	49,719	2.37	46.15	1.18	89.3	7,473	1,239	21.08	127.15	0.41	68.5
February	899,054	45,989	2.38	46.62	1.26	93.8	6,220	1,009	21.34	131.57	0.40	78.9
March	948,352	48,339	2.37	46.58	1.27	92.9	9,929	1,608	20.43	126.13	0.45	120.6
April	904,409	45,784	2.41	47.65	1.28	100.5	3,831	638	21.99	131.94	0.45	47.8
May	958,782	48,775	2.40	47.27	1.23	100.9	6,010	987	20.90	127.33	0.47	69.5
June	965,951	49,292	2.39	46.90	1.21	88.0	4,713	786	21.31	127.71	0.43	59.5
July	1,031,429	53,206	2.34	45.37	1.16	86.7	7,153	1,184	20.82	125.77	0.44	68.4
August	1,071,201	54,959	2.37	46.16	1.21	89.5	8,382	1,353	19.78	122.55	0.45	96.5
Sept	974,613	49,808	2.38	46.62	1.22	93.8	4,882	795	21.67	132.98	0.34	68.0
October	956,973	48,754	2.37	46.45	1.27	98.7	6,139	1,011	21.98	133.43	0.40	81.1
November	958,575	49,043	2.36	46.21	1.22	98.8	6,313	1,037	21.61	131.57	0.41	79.5
December	959,557	49,103	2.37	46.32	1.23	86.5	7,055	1,166	21.58	130.56	0.43	79.2
Year 2014												
January	939,850	48,843	2.30	44.18	1.13	79.8	12,001	2,011	21.72	129.64	0.32	44.6
February	870,977	44,490	2.31	45.27	1.23	80.6	12,180	2,005	21.72	131.94	0.49	106.4
March	991,708	50,353	2.37	46.61	1.23	97.5	8,992	1,474	21.53	131.41	0.39	76.6
April	948,645	47,838	2.41	47.72	1.23	116.0	6,691	1,099	21.74	132.35	0.36	85.6
May	1,003,354	50,694	2.42	47.83	1.27	107.4	5,313	885	21.88	131.42	0.34	68.2
June	998,236	50,508	2.40	47.48	1.25	90.8	6,271	1,037	21.65	130.91	0.34	87.9
July	1,059,989	53,961	2.41	47.22	1.19	89.5	5,979	985	21.28	129.22	0.47	75.2
August	1,096,270	55,759	2.40	47.18	1.22	92.5	6,800	1,108	20.61	126.44	0.50	84.5
Sept	1,037,230	52,716	2.41	47.40	1.21	103.8	6,921	1,137	19.90	121.13	0.48	87.7
October	1,047,018	53,419	2.34	45.74	1.20	118.6	6,939	1,148	19.33	117.03	0.48	94.2
November	1,010,559	51,705	2.33	45.51	1.20	110.9	7,512	1,237	17.71	107.56	0.50	100.6
December	1,060,973	54,441	2.60	50.75	1.20	108.8	12,760	2,035	13.22	82.91	0.46	160.4
Year 2015												
January	1,036,958	53,439	2.30	44.72	1.20	103.4	8,894	1,464	11.82	71.84	0.57	69.5
February	864,004	44,588	2.26	43.72	1.20	91.5	8,602	1,406	11.71	71.65	0.47	38.0
March	927,718	47,541	2.26	44.03	1.20	110.2	10,202	1,675	12.14	73.96	0.52	132.3
April	879,765	45,153	2.28	44.37	1.22	122.4	6,623	1,090	13.28	80.65	0.39	87.1
May	923,978	47,039	2.29	44.95	1.23	107.8	7,248	1,180	12.33	75.72	0.46	92.4
June	904,761	46,194	2.26	44.37	1.25	89.8	7,510	1,236	13.65	82.94	0.46	87.6
July	976,318	50,655	2.23	43.06	1.13	88.6	6,306	1,033	12.49	76.20	0.40	67.0
August	1,035,250	53,057	2.26	44.06	1.20	96.6	5,704	942	11.73	71.05	0.42	64.7
Sept	1,005,257	51,539	2.26	44.05	1.20	108.0	7,091	1,156	9.74	59.71	0.38	91.2
Year to Date												
2013	8,720,224	445,872	2.38	46.56	1.22	92.4	58,594	9,600	20.89	127.49	0.43	75.0
2014	8,946,259	455,163	2.38	46.80	1.22	94.2	71,147	11,741	21.38	129.59	0.42	73.4
2015	8,554,008	439,205	2.27	44.15	1.20	100.9	68,179	11,183	12.09	73.71	0.46	73.2
Rolling 12 Months Ending in September												
2014	11,821,364	602,063	2.38	46.69	1.22	94.2	90,654	14,955	21.45	130.07	0.41	74.7
2015	11,672,559	598,771	2.31	45.01	1.20	103.8	95,390	15,604	13.21	80.78	0.47	82.1

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
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See Glossary for definitions.
Values for 2014 and prior years are final. Values for 2015 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2005 - September 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2005	102,450	3,632	1.29	36.31	5.16	87.9	1,835,221	1,780,721	8.32	8.57	83.4	2.38
2006	99,471	3,516	1.49	42.21	5.11	97.2	2,222,289	2,163,113	7.36	7.56	87.3	2.45
2007	84,812	2,964	1.73	49.57	5.09	105.6	2,378,104	2,315,637	7.47	7.67	84.6	2.61
2008	80,987	2,843	2.13	60.51	5.36	123.8	2,856,354	2,784,642	9.15	9.39	102.0	3.33
2009	109,126	3,833	1.68	47.84	5.02	138.8	3,033,133	2,962,640	5.50	5.63	101.8	2.87
2010	103,152	3,628	2.38	67.65	5.03	109.1	3,395,962	3,327,919	5.43	5.54	101.1	2.99
2011	99,208	3,445	3.08	88.73	5.17	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.08
2012	72,782	2,521	2.30	66.40	5.46	119.8	4,083,579	4,003,457	3.74	3.81	97.6	2.86
2013	99,088	3,463	2.11	60.30	5.34	101.6	3,939,408	3,851,241	4.49	4.59	97.0	2.99
2014	123,793	4,349	1.89	53.77	5.56	126.3	3,876,549	3,772,596	5.17	5.31	96.7	3.16
Year 2013												
January	6,816	237	1.97	56.67	5.52	93.7	308,726	302,282	4.35	4.44	97.5	2.95
February	7,272	254	2.05	58.54	5.32	115.4	276,355	270,729	4.29	4.38	97.3	2.92
March	5,449	190	2.00	57.27	5.37	80.5	292,291	285,901	4.44	4.54	97.4	2.99
April	8,309	291	2.23	63.79	5.23	133.8	267,830	262,122	4.88	4.99	97.6	3.03
May	8,610	301	2.28	65.22	5.28	83.5	298,278	291,130	4.84	4.96	98.4	3.06
June	8,302	291	2.36	67.19	4.88	83.7	360,943	352,719	4.65	4.75	97.1	3.06
July	9,006	314	2.25	64.47	5.35	93.2	427,831	417,585	4.38	4.48	96.6	3.01
August	7,910	274	2.15	62.01	5.24	82.6	436,060	426,576	4.15	4.24	96.3	2.97
Sept	10,687	373	2.09	59.92	5.32	114.6	360,603	352,812	4.35	4.44	96.7	2.97
October	9,457	333	2.06	58.58	5.37	114.9	309,544	302,556	4.40	4.50	96.9	2.95
November	7,486	262	1.87	53.23	5.41	120.6	281,343	274,910	4.44	4.55	96.6	2.92
December	9,784	343	1.93	54.95	5.75	125.9	319,604	311,919	4.93	5.05	96.3	3.10
Year 2014												
January	8,753	309	1.79	50.66	5.22	88.7	322,118	314,783	6.23	6.37	96.8	3.45
February	8,883	312	2.01	57.15	5.47	113.1	261,721	255,665	7.00	7.16	96.1	3.56
March	11,235	396	1.94	54.97	5.85	119.1	269,374	263,288	5.93	6.06	96.8	3.24
April	11,184	394	2.07	58.69	5.98	186.0	270,455	264,009	5.34	5.47	97.6	3.14
May	10,813	383	2.13	60.11	5.57	121.8	324,319	316,054	5.26	5.40	97.7	3.18
June	9,321	325	1.97	56.35	5.85	95.9	346,749	337,837	5.17	5.31	96.9	3.19
July	9,697	339	1.79	51.25	5.70	113.6	390,076	379,146	4.84	4.98	96.4	3.12
August	10,451	365	1.85	52.89	5.51	122.5	424,307	412,297	4.47	4.60	96.6	3.05
Sept	9,844	345	1.81	51.54	5.40	122.6	353,112	342,647	4.63	4.77	96.2	3.05
October	9,240	326	1.65	46.75	5.25	182.8	323,101	313,490	4.55	4.69	96.8	2.93
November	10,079	354	1.70	48.51	5.43	154.6	288,185	279,556	4.75	4.90	96.6	2.94
December	14,294	499	1.90	54.38	5.40	149.0	303,034	293,825	4.61	4.76	96.6	3.13
Year 2015												
January	11,509	404	1.94	55.36	5.21	129.1	339,941	329,825	4.25	4.38	96.1	2.83
February	8,617	301	1.72	49.17	5.31	90.5	319,661	310,048	4.58	4.73	94.8	2.94
March	7,949	283	1.95	54.67	5.16	144.7	341,334	330,809	3.78	3.90	95.4	2.73
April	8,845	313	1.95	55.11	4.92	146.8	329,072	318,796	3.48	3.59	96.6	2.66
May	10,125	357	1.98	56.26	5.21	136.5	359,496	347,983	3.50	3.62	96.9	2.68
June	7,485	262	1.73	49.60	5.62	111.4	438,111	423,452	3.47	3.59	94.8	2.71
July	11,256	395	1.86	52.91	5.04	118.3	499,719	482,283	3.46	3.59	94.7	2.68
August	9,787	342	1.76	50.54	4.92	109.8	481,069	465,398	3.45	3.57	93.9	2.66
Sept	12,216	429	1.72	49.08	5.09	145.7	427,099	412,983	3.40	3.51	94.7	2.62
Year to Date												
2013	72,361	2,525	2.16	61.98	5.27	96.0	3,028,918	2,961,856	4.46	4.56	97.1	3.00
2014	90,180	3,169	1.93	54.98	5.63	117.4	2,962,229	2,885,724	5.33	5.47	96.8	3.21
2015	87,789	3,084	1.85	52.56	5.15	123.9	3,535,503	3,421,577	3.67	3.79	95.2	2.72
Rolling 12 Months Ending in September												
2014	116,907	4,107	1.94	55.16	5.60	118.0	3,872,719	3,775,109	5.16	5.29	96.7	3.16
2015	121,402	4,263	1.83	51.99	5.21	131.9	4,449,823	4,308,448	3.87	3.99	95.5	2.79

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See the Technical Notes for fuel conversion factors.

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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2005 - September 2015

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2005	4,459,333	229,071	1.56	30.39	1.10	83.0	381,871	61,753	8.30	51.34	0.54	97.2
2006	5,204,402	266,856	1.69	33.04	1.09	97.7	117,524	19,236	9.65	58.98	0.45	104.9
2007	5,275,454	273,216	1.71	33.11	1.06	97.5	125,025	20,486	10.49	64.01	0.45	85.0
2008	5,395,142	281,258	2.03	38.98	1.04	100.4	82,124	13,657	16.30	98.03	0.41	94.4
2009	4,563,080	240,687	2.11	39.94	1.06	101.1	68,030	11,408	10.02	59.76	0.37	102.0
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19	0.35	89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,036,436	218,341	2.21	40.92	1.42	104.9	23,922	4,073	22.34	131.28	0.44	79.8
2013	4,032,431	217,572	2.20	40.95	1.48	99.1	43,432	7,205	19.71	118.88	0.45	110.1
2014	4,243,949	226,600	2.25	42.20	1.61	100.1	71,774	11,980	19.90	119.36	0.45	101.0
Year 2013												
January	352,557	18,976	2.21	41.20	1.51	99.1	2,963	495	21.11	126.80	0.54	45.0
February	308,971	16,694	2.18	40.44	1.56	93.3	4,345	712	20.68	126.61	0.51	117.8
March	319,485	17,108	2.24	41.93	1.57	94.1	4,016	661	19.63	119.32	0.41	206.0
April	303,157	16,041	2.21	41.98	1.60	106.6	2,074	350	W	W	0.44	94.2
May	345,413	18,316	2.23	42.25	1.53	113.7	2,404	402	20.48	122.55	0.43	104.1
June	331,183	17,955	2.22	40.98	1.41	95.5	2,048	344	20.51	122.17	0.43	84.9
July	336,772	18,662	2.18	39.50	1.28	86.5	3,386	564	20.03	120.23	0.46	68.0
August	369,852	20,185	2.16	39.71	1.41	99.2	3,449	582	19.54	115.78	0.39	147.1
Sept	361,593	19,609	2.20	40.72	1.48	101.2	4,942	821	18.64	112.29	0.40	180.6
October	338,484	18,086	2.22	41.67	1.47	108.4	3,904	647	19.14	115.55	0.47	175.5
November	328,769	17,596	2.18	40.82	1.50	109.0	6,401	1,051	18.52	113.07	0.49	284.8
December	336,195	18,343	2.20	40.48	1.44	90.2	3,498	576	19.73	119.40	0.43	61.3
Year 2014												
January	356,260	19,360	2.25	41.46	1.56	86.8	14,823	2,481	22.05	132.09	0.46	43.7
February	324,520	17,309	2.31	43.39	1.62	83.0	13,652	2,247	21.53	131.09	0.39	189.3
March	383,238	19,906	2.32	44.67	1.66	97.8	6,096	1,023	22.59	134.69	0.52	66.2
April	368,214	19,193	2.29	44.00	1.60	114.9	2,150	365	21.88	129.00	0.48	127.7
May	358,005	18,880	2.30	43.62	1.65	113.3	3,198	529	20.19	121.99	0.52	145.8
June	346,608	18,528	2.29	42.89	1.64	100.1	2,867	477	21.11	126.96	0.51	141.6
July	346,695	18,879	2.24	41.19	1.53	90.0	2,327	391	21.59	128.64	0.50	96.7
August	366,331	19,740	2.22	41.23	1.63	96.0	2,265	382	W	W	0.49	79.5
Sept	342,392	18,355	2.21	41.35	1.70	101.3	3,161	526	19.20	115.97	0.50	156.6
October	345,463	18,416	2.18	40.98	1.57	115.9	5,762	961	17.58	105.43	0.44	279.8
November	338,083	18,186	2.19	40.72	1.58	101.8	10,107	1,695	15.62	93.26	0.38	374.5
December	368,141	19,847	2.20	40.90	1.54	112.9	5,366	904	15.41	91.46	0.53	201.5
Year 2015												
January	343,021	18,177	2.21	41.66	1.54	92.9	4,210	702	15.12	90.51	0.49	57.3
February	279,974	14,887	2.24	42.12	1.59	81.6	11,143	1,838	13.15	79.87	0.51	37.1
March	272,637	14,193	2.23	42.80	1.58	94.2	3,983	672	13.53	80.53	0.49	120.1
April	270,997	14,215	2.12	40.48	1.64	123.0	2,294	390	12.86	75.90	0.46	125.9
May	270,576	14,133	2.14	41.00	1.76	104.7	3,781	639	13.02	77.28	0.41	138.9
June	262,292	13,988	2.16	40.52	1.76	79.4	2,101	353	13.29	79.16	0.48	96.1
July	295,075	15,969	2.10	38.81	1.64	81.6	2,124	360	12.81	75.81	0.47	69.2
August	323,784	17,230	2.12	39.81	1.66	90.6	3,366	575	12.56	75.45	0.48	134.4
Sept	319,898	17,245	2.05	38.10	1.66	100.2	6,827	1,128	9.45	57.00	0.47	233.3
Year to Date												
2013	3,028,983	163,547	2.20	40.93	1.48	98.2	29,629	4,930	20.03	120.45	0.44	101.3
2014	3,192,262	170,150	2.27	42.65	1.62	97.2	50,539	8,420	21.55	129.57	0.46	79.3
2015	2,638,253	140,037	2.15	40.53	1.64	92.5	39,828	6,657	12.68	76.16	0.48	71.5
Rolling 12 Months Ending in September												
2014	4,195,710	224,174	2.25	42.25	1.58	98.2	64,341	10,695	W	W	0.46	87.0
2015	3,689,940	196,486	2.16	40.63	1.62	96.9	61,063	10,216	13.86	83.04	0.46	96.7

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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2005 - September 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2005	92,706	3,277	0.90	25.42	5.09	82.9	3,675,165	3,578,722	8.20	8.42	95.8	4.69
2006	85,924	3,031	1.07	30.34	5.13	87.1	3,742,865	3,647,102	6.66	6.84	97.4	3.82
2007	56,580	1,994	1.02	28.95	4.88	69.3	4,097,825	3,990,546	6.92	7.11	97.2	4.06
2008	79,122	2,788	1.47	41.85	4.63	98.8	4,061,830	3,956,155	8.93	9.17	100.5	5.07
2009	49,619	1,732	1.31	37.63	3.87	93.6	4,087,573	3,987,721	4.30	4.41	100.7	3.18
2010	30,079	1,050	1.74	49.80	3.84	72.3	4,212,611	4,119,103	4.94	5.05	100.6	3.57
2011	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	3.52
2012	23,024	801	0.82	23.98	5.49	92.1	4,810,553	4,696,637	3.17	3.25	93.8	2.74
2013	16,150	575	W	W	5.39	65.6	4,025,263	3,917,898	4.25	4.36	92.8	W
2014	13,781	488	2.48	70.31	5.33	70.9	4,054,540	3,934,672	4.90	5.05	92.7	W
Year 2013												
January	1,444	52	0.00	0.00	5.37	67.8	305,859	297,827	4.59	4.72	92.6	3.29
February	1,424	51	0.00	0.00	5.39	74.3	271,071	264,155	4.73	4.85	91.0	3.39
March	1,474	53	0.00	0.00	5.36	69.9	293,315	285,996	4.36	4.47	92.2	3.27
April	1,507	54	W	W	5.44	76.0	282,900	275,394	4.56	4.68	92.9	W
May	1,628	57	W	W	5.43	118.1	304,542	296,100	4.45	4.58	92.9	W
June	1,541	54	W	W	5.43	80.3	357,118	347,375	4.20	4.32	92.9	W
July	1,543	54	W	W	5.37	67.4	457,359	444,633	4.06	4.17	92.9	W
August	951	34	W	W	5.36	33.2	439,538	428,028	3.67	3.77	93.5	W
Sept	118	4	W	W	5.22	6.1	372,893	362,795	3.83	3.94	93.9	W
October	1,492	53	W	W	5.33	73.4	311,285	302,936	3.86	3.96	93.3	W
November	1,490	52	0.00	0.00	5.43	77.3	301,695	293,861	4.03	4.14	92.9	3.11
December	1,538	55	W	W	5.42	70.9	327,686	318,797	5.05	5.19	92.4	W
Year 2014												
January	922	33	W	W	5.35	52.4	320,157	311,751	8.58	8.81	92.3	W
February	1,039	38	0.00	0.00	5.27	60.8	267,558	260,190	8.33	8.57	91.3	5.10
March	1,127	41	W	W	5.47	62.5	271,937	264,409	6.38	6.56	91.6	W
April	1,047	37	W	W	5.53	57.9	264,781	257,569	4.83	4.96	92.5	W
May	1,419	50	W	W	5.35	88.8	305,484	296,701	4.51	4.65	91.8	W
June	1,349	47	W	W	5.24	102.9	352,539	342,158	4.45	4.58	91.9	W
July	1,124	39	W	W	5.55	67.8	432,673	419,753	3.98	4.10	93.3	W
August	1,401	49	W	W	5.39	83.2	455,652	441,523	3.71	3.83	93.7	W
Sept	946	33	W	W	5.29	47.3	400,187	387,887	3.72	3.84	93.6	W
October	821	29	W	W	5.26	91.2	363,367	352,206	3.58	3.69	92.8	W
November	1,066	36	W	W	5.29	87.9	298,147	289,008	4.27	4.41	92.9	W
December	1,520	53	W	W	5.10	76.9	322,057	311,517	4.04	4.18	93.1	W
Year 2015												
January	1,427	52	W	W	5.10	77.4	357,604	346,044	4.05	4.18	93.3	W
February	562	20	W	W	4.53	30.2	313,841	303,489	5.17	5.34	93.8	W
March	956	34	W	W	4.81	48.7	350,620	339,122	3.36	3.48	93.5	W
April	1,501	54	W	W	4.95	79.5	329,881	318,305	2.65	2.75	94.0	W
May	1,348	48	W	W	5.17	69.2	366,927	354,389	2.75	2.84	93.3	W
June	1,237	44	W	W	5.22	68.9	433,601	418,650	2.69	2.78	93.9	W
July	1,119	40	W	W	5.30	58.6	526,867	509,889	2.71	2.80	94.2	W
August	1,289	45	W	W	5.62	67.3	517,489	500,496	2.71	2.80	93.9	W
Sept	432	16	W	W	5.44	22.3	452,689	437,288	2.69	2.79	93.8	W
Year to Date												
2013	11,629	413	W	W	5.39	62.9	3,084,597	3,002,304	4.22	4.34	92.8	W
2014	10,374	369	2.48	70.08	5.38	67.6	3,070,969	2,981,941	5.20	5.35	92.6	W
2015	9,871	352	2.43	68.28	5.15	57.9	3,649,520	3,527,672	3.11	3.22	93.8	W
Rolling 12 Months Ending in September												
2014	14,894	530	W	W	5.38	69.3	4,011,634	3,897,535	4.96	5.11	92.6	W
2015	13,279	471	W	W	5.16	62.8	4,633,091	4,480,403	3.29	3.40	93.6	W

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2005 - September 2015

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2005	11,081	464	2.57	61.21	2.43	24.2	1,684	289	8.28	48.22	0.17	18.3
2006	12,207	518	2.63	61.95	2.51	27.5	798	137	13.50	78.70	0.17	15.5
2007	12,419	531	2.67	62.46	2.58	27.6	249	43	14.04	81.93	0.17	6.2
2008	43,997	2,009	2.65	58.12	1.73	99.4	3,800	633	17.84	107.10	0.37	102.0
2009	41,182	1,876	2.90	63.68	1.67	104.3	3,517	583	10.82	65.26	0.45	122.1
2010	37,778	1,747	2.82	61.06	1.77	101.6	2,395	400	15.24	91.25	0.38	106.3
2011	35,892	1,686	2.92	62.24	1.78	101.1	1,959	325	19.67	118.66	0.55	108.0
2012	4,427	192	3.41	78.71	2.75	13.2	247	43	W	W	0.00	11.0
2013	3,507	151	W	W	3.05	11.2	0	0	--	--	--	0.0
2014	4,096	182	W	W	2.50	17.1	0	0	--	--	--	0.0
Year 2013												
January	390	17	W	W	2.99	11.2	0	0	--	--	--	0.0
February	394	17	W	W	3.07	12.2	0	0	--	--	--	0.0
March	489	21	W	W	2.74	16.0	0	0	--	--	--	0.0
April	241	10	W	W	3.04	10.4	0	0	--	--	--	0.0
May	383	17	W	W	2.96	15.8	0	0	--	--	--	0.0
June	355	16	W	W	2.91	15.2	0	0	--	--	--	0.0
July	209	9	W	W	3.41	8.9	0	0	--	--	--	0.0
August	386	17	W	W	2.82	16.3	0	0	--	--	--	0.0
Sept	143	6	W	W	3.37	6.4	0	0	--	--	--	0.0
October	61	3	W	W	3.34	2.9	0	0	--	--	--	0.0
November	202	9	W	W	3.52	7.9	0	0	--	--	--	0.0
December	254	11	W	W	3.45	8.6	0	0	--	--	--	0.0
Year 2014												
January	400	18	W	W	3.06	13.3	0	0	--	--	--	0.0
February	407	18	W	W	2.91	13.7	0	0	--	--	--	0.0
March	526	24	2.98	66.22	2.39	20.1	0	0	--	--	--	0.0
April	640	30	2.70	58.40	1.24	36.2	0	0	--	--	--	0.0
May	475	21	W	W	2.54	29.1	0	0	--	--	--	0.0
June	116	5	W	W	2.88	6.3	0	0	--	--	--	0.0
July	261	11	W	W	2.52	13.2	0	0	--	--	--	0.0
August	159	7	W	W	2.96	9.4	0	0	--	--	--	0.0
Sept	306	13	W	W	2.56	21.1	0	0	--	--	--	0.0
October	313	14	W	W	2.72	23.9	0	0	--	--	--	0.0
November	229	10	W	W	3.00	12.3	0	0	--	--	--	0.0
December	264	12	W	W	2.96	13.0	0	0	--	--	--	0.0
Year 2015												
January	309	14	W	W	2.65	14.5	0	0	--	--	--	0.0
February	479	23	2.14	44.32	1.71	25.3	0	0	--	--	--	0.0
March	177	8	W	W	2.93	8.9	0	0	--	--	--	0.0
April	298	13	W	W	2.72	20.3	0	0	--	--	--	0.0
May	102	5	W	W	2.90	7.3	0	0	--	--	--	0.0
June	213	9	W	W	2.30	14.4	0	0	--	--	--	0.0
July	124	5	W	W	2.93	7.9	0	0	--	--	--	0.0
August	187	8	W	W	2.46	12.2	0	0	--	--	--	0.0
Sept	49	2	W	W	3.01	3.7	0	0	--	--	--	0.0
Year to Date												
2013	2,989	129	W	W	2.98	12.6	0	0	--	--	--	0.0
2014	3,290	146	W	W	2.40	17.5	0	0	--	--	--	0.0
2015	1,939	87	2.90	64.92	2.44	13.3	0	0	--	--	--	0.0
Rolling 12 Months Ending in September												
2014	3,808	169	W	W	2.54	14.5	0	0	--	--	--	0.0
2015	2,745	122	W	W	2.55	13.8	0	0	--	--	--	0.0

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2005 - September 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2005	0	0	--	--	--	0.0	17,600	17,142	8.38	8.60	25.2	6.25
2006	0	0	--	--	--	0.0	21,369	20,819	8.33	8.55	30.7	6.42
2007	0	0	--	--	--	0.0	23,502	22,955	7.99	8.18	32.8	6.20
2008	370	14	2.14	58.36	5.53	135.3	71,670	69,877	9.01	9.24	105.5	6.94
2009	252	9	1.65	46.54	5.11	102.8	81,134	79,308	5.18	5.30	105.0	4.58
2010	410	15	2.19	60.59	5.67	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W
2012	0	0	--	--	--	0.0	18,315	18,008	5.88	5.98	16.2	W
2013	0	0	--	--	--	0.0	5,497	5,450	W	W	4.6	W
2014	0	0	--	--	--	0.0	5,849	5,795	W	W	4.9	W
Year 2013												
January	0	0	--	--	--	0.0	330	327	W	W	3.4	W
February	0	0	--	--	--	0.0	361	357	W	W	4.1	W
March	0	0	--	--	--	0.0	382	378	W	W	4.0	W
April	0	0	--	--	--	0.0	375	371	W	W	4.3	W
May	0	0	--	--	--	0.0	467	464	W	W	5.2	W
June	0	0	--	--	--	0.0	404	401	W	W	4.2	W
July	0	0	--	--	--	0.0	445	440	W	W	3.6	W
August	0	0	--	--	--	0.0	414	411	W	W	3.7	W
Sept	0	0	--	--	--	0.0	560	554	W	W	5.4	W
October	0	0	--	--	--	0.0	633	629	W	W	6.9	W
November	0	0	--	--	--	0.0	529	524	W	W	5.7	W
December	0	0	--	--	--	0.0	599	592	W	W	5.5	W
Year 2014												
January	0	0	--	--	--	0.0	423	418	W	W	3.1	W
February	0	0	--	--	--	0.0	314	310	W	W	3.6	W
March	0	0	--	--	--	0.0	359	355	W	W	4.2	W
April	0	0	--	--	--	0.0	439	435	W	W	5.4	W
May	0	0	--	--	--	0.0	491	486	W	W	5.4	W
June	0	0	--	--	--	0.0	440	437	W	W	4.6	W
July	0	0	--	--	--	0.0	476	472	W	W	4.4	W
August	0	0	--	--	--	0.0	625	619	W	W	5.4	W
Sept	0	0	--	--	--	0.0	555	551	W	W	5.4	W
October	0	0	--	--	--	0.0	580	575	W	W	5.9	W
November	0	0	--	--	--	0.0	476	472	W	W	5.1	W
December	0	0	--	--	--	0.0	672	666	W	W	6.7	W
Year 2015												
January	0	0	--	--	--	0.0	552	545	W	W	5.0	W
February	0	0	--	--	--	0.0	378	372	W	W	3.8	W
March	0	0	--	--	--	0.0	438	432	W	W	4.0	W
April	0	0	--	--	--	0.0	420	413	W	W	4.7	W
May	0	0	--	--	--	0.0	494	488	W	W	4.7	W
June	0	0	--	--	--	0.0	522	513	W	W	5.0	W
July	0	0	--	--	--	0.0	540	528	W	W	4.8	W
August	0	0	--	--	--	0.0	694	680	W	W	6.0	W
Sept	0	0	--	--	--	0.0	632	620	W	W	5.7	W
Year to Date												
2013	0	0	--	--	--	0.0	3,736	3,705	W	W	4.2	W
2014	0	0	--	--	--	0.0	4,121	4,083	W	W	4.6	W
2015	0	0	--	--	--	0.0	4,670	4,592	W	W	4.9	W
Rolling 12 Months Ending in September												
2014	0	0	--	--	--	0.0	5,882	5,828	W	W	4.9	W
2015	0	0	--	--	--	0.0	6,398	6,304	W	W	5.1	W

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Totals may not equal sum of components because of independent rounding.
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See the Technical Notes for fuel conversion factors.

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2005 - September 2015

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2005	339,968	16,011	1.94	41.17	1.42	61.9	36,383	5,876	6.64	41.13	1.36	26.4
2006	320,640	15,208	2.03	42.76	1.47	60.2	19,514	3,214	7.57	45.95	1.30	21.2
2007	303,091	13,540	2.20	49.16	1.36	60.1	33,637	5,514	8.53	52.06	1.33	38.8
2008	493,724	22,044	2.72	60.96	1.28	100.7	48,822	7,958	12.50	76.69	1.01	109.0
2009	431,686	19,661	2.81	61.68	1.22	99.5	55,899	9,232	9.83	59.52	0.83	112.8
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276	5,554	13.21	79.15	0.93	125.6
2011	476,108	22,204	2.93	62.86	1.33	99.5	28,939	4,878	17.67	104.83	1.08	144.8
2012	285,172	13,206	3.02	65.24	1.33	65.8	6,739	1,095	W	W	1.52	40.8
2013	275,543	12,727	W	W	1.32	64.4	2,431	394	18.20	112.29	1.43	15.8
2014	281,867	13,050	W	W	1.33	68.4	2,290	373	17.91	109.99	1.43	15.6
Year 2013												
January	22,923	1,071	W	W	1.23	60.6	330	53	18.32	113.35	1.58	20.1
February	20,789	962	W	W	1.31	60.2	214	35	18.09	110.29	1.33	15.3
March	23,120	1,078	W	W	1.24	61.7	318	52	18.11	111.18	1.25	26.9
April	21,566	986	W	W	1.35	63.0	226	36	W	W	1.63	18.6
May	23,533	1,082	W	W	1.31	66.8	244	39	17.85	110.67	1.41	19.2
June	22,312	1,032	W	W	1.18	66.0	246	40	18.19	112.54	1.69	22.2
July	24,077	1,120	W	W	1.29	67.0	208	33	17.37	108.22	1.66	20.8
August	24,220	1,116	W	W	1.30	68.6	161	26	18.55	113.24	1.38	17.0
Sept	23,042	1,066	W	W	1.37	69.7	80	13	18.61	114.88	1.32	8.8
October	22,581	1,031	W	W	1.38	63.7	102	17	19.09	118.20	0.80	10.1
November	23,845	1,092	W	W	1.42	64.9	104	17	19.02	115.77	1.00	9.5
December	23,534	1,091	W	W	1.40	61.8	198	32	18.35	113.33	1.25	7.7
Year 2014												
January	23,384	1,093	W	W	1.29	61.0	385	62	18.67	115.30	1.30	15.0
February	21,991	1,020	W	W	1.33	62.5	332	53	20.18	125.46	1.04	19.1
March	25,143	1,161	2.92	63.25	1.41	67.2	135	22	20.74	127.74	1.16	9.3
April	22,469	1,042	3.09	66.66	1.31	70.8	142	23	17.86	110.18	1.60	14.8
May	22,090	1,028	W	W	1.27	66.3	144	23	17.67	109.00	1.70	13.6
June	21,987	1,014	W	W	1.40	65.9	197	32	18.15	111.64	1.79	19.5
July	24,237	1,122	W	W	1.29	70.6	149	24	16.89	103.81	1.54	16.2
August	25,258	1,165	W	W	1.35	73.2	117	19	W	W	1.59	14.2
Sept	23,305	1,073	W	W	1.28	71.5	140	23	17.75	108.43	1.86	14.5
October	23,967	1,110	W	W	1.35	74.9	150	25	16.21	98.83	1.56	14.8
November	23,701	1,098	W	W	1.37	70.7	169	28	17.46	105.26	1.42	15.1
December	24,334	1,125	W	W	1.30	68.4	230	38	14.15	85.81	1.33	22.4
Year 2015												
January	17,776	773	W	W	1.59	46.3	159	26	12.53	76.07	2.04	9.7
February	13,311	585	2.87	65.23	1.67	39.3	405	67	16.55	99.49	1.65	18.9
March	17,748	778	W	W	1.48	49.2	1,607	262	W	W	1.99	124.4
April	14,725	649	W	W	1.67	46.6	247	41	13.17	78.37	1.00	24.1
May	15,203	676	W	W	1.46	46.9	59	10	14.16	86.77	1.50	5.1
June	15,221	670	W	W	1.58	46.8	195	31	12.73	79.17	1.58	17.6
July	17,508	778	W	W	1.54	49.9	350	57	12.95	79.16	1.84	35.2
August	15,865	703	W	W	1.48	45.1	127	21	13.09	79.74	1.66	14.2
Sept	15,532	686	W	W	1.39	46.4	487	79	12.03	74.16	1.89	43.7
Year to Date												
2013	205,583	9,512	W	W	1.29	64.8	2,026	328	18.10	111.71	1.49	19.0
2014	209,865	9,718	W	W	1.33	67.5	1,741	282	18.59	114.67	1.44	15.1
2015	142,890	6,298	2.84	64.53	1.54	46.3	3,634	595	13.34	81.53	1.81	31.9
Rolling 12 Months Ending in September												
2014	279,825	12,933	W	W	1.34	66.4	2,146	348	W	W	1.37	13.2
2015	214,893	9,631	W	W	1.47	52.7	4,183	685	W	W	1.76	28.7

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

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2005 - September 2015 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)
Annual Totals												
2005	16,620	594	1.21	33.75	5.44	58.2	828,882	805,132	8.00	8.24	74.3	6.18
2006	17,875	646	1.63	45.05	5.43	42.7	869,157	844,211	7.02	7.22	75.7	5.64
2007	19,700	698	1.96	55.42	5.52	43.6	896,803	871,178	6.97	7.18	82.9	5.78
2008	39,246	1,396	3.34	93.84	4.92	117.9	1,099,613	1,068,372	8.95	9.22	111.9	7.10
2009	38,924	1,381	1.80	50.82	4.51	114.2	1,117,489	1,088,880	4.27	4.38	110.0	4.02
2010	35,866	1,269	2.46	69.38	4.90	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.03	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2012	23,861	858	2.62	72.96	5.86	42.2	834,245	813,288	2.97	3.05	70.8	W
2013	17,236	623	W	W	5.82	30.5	750,946	728,835	W	W	62.3	W
2014	9,736	358	W	W	5.83	23.2	742,347	718,360	W	W	62.7	W
Year 2013												
January	1,844	67	2.30	63.72	6.13	34.8	61,781	60,209	W	W	60.2	W
February	1,058	38	2.38	65.94	6.03	30.4	59,307	57,544	W	W	64.4	W
March	1,317	47	2.40	67.24	6.03	26.2	63,464	61,243	W	W	63.0	W
April	1,424	51	W	W	5.96	30.6	58,374	56,733	W	W	61.4	W
May	1,520	54	W	W	5.82	28.5	62,146	60,458	W	W	64.7	W
June	1,686	61	W	W	5.70	32.1	64,256	62,350	W	W	65.2	W
July	1,666	59	W	W	5.99	30.2	63,859	61,986	W	W	59.3	W
August	2,041	72	W	W	5.94	33.2	64,617	62,815	W	W	60.6	W
Sept	1,565	56	W	W	5.68	34.3	60,028	58,253	W	W	60.9	W
October	1,252	46	W	W	5.36	29.1	62,118	60,239	W	W	63.0	W
November	677	25	2.36	65.25	5.58	21.5	64,376	62,456	W	W	64.0	W
December	1,189	45	W	W	5.28	31.4	66,621	64,548	W	W	61.4	W
Year 2014												
January	398	15	W	W	5.87	11.7	66,078	64,072	W	W	60.7	W
February	339	13	W	W	5.95	11.2	59,291	57,453	W	W	64.6	W
March	834	31	W	W	5.76	24.3	65,433	63,434	W	W	67.2	W
April	755	28	W	W	5.88	19.7	58,439	56,714	W	W	63.4	W
May	408	15	W	W	5.78	11.7	60,012	58,094	W	W	63.1	W
June	990	36	W	W	5.66	25.6	60,327	58,411	W	W	64.0	W
July	794	29	W	W	5.79	20.2	64,393	62,325	W	W	62.9	W
August	912	34	W	W	5.80	25.1	64,667	62,493	W	W	62.0	W
Sept	997	36	W	W	5.92	27.6	59,277	57,273	W	W	60.5	W
October	950	34	W	W	5.92	33.0	58,228	56,273	W	W	59.5	W
November	1,071	40	W	W	5.83	33.3	61,753	59,657	W	W	63.3	W
December	1,286	47	W	W	5.86	36.1	64,449	62,162	W	W	62.3	W
Year 2015												
January	788	29	W	W	5.74	18.1	60,633	58,625	W	W	56.9	W
February	481	17	W	W	6.17	11.2	57,569	55,731	W	W	61.5	W
March	601	21	W	W	5.99	13.5	61,124	59,136	W	W	60.7	W
April	712	25	W	W	6.18	18.1	57,402	55,568	W	W	61.2	W
May	410	14	W	W	6.14	12.8	59,979	57,979	W	W	61.1	W
June	659	24	W	W	5.64	19.6	61,171	58,979	W	W	60.9	W
July	422	16	W	W	5.68	12.8	64,482	62,227	W	W	61.7	W
August	251	9	W	W	6.00	7.5	65,392	63,289	W	W	61.4	W
Sept	386	14	W	W	6.21	11.2	61,022	59,033	W	W	61.3	W
Year to Date												
2013	14,119	507	W	W	5.92	31.2	557,831	541,591	W	W	62.1	W
2014	6,428	236	W	W	5.81	19.9	557,918	540,269	W	W	63.1	W
2015	4,710	169	W	W	5.95	14.0	548,775	530,568	W	W	60.7	W
Rolling 12 Months Ending in September												
2014	9,545	352	W	W	5.67	21.9	751,033	727,513	W	W	63.0	W
2015	8,018	291	W	W	5.91	18.6	733,204	708,659	W	W	60.9	W

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Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, September 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	118	2	NM	45	0	72	0	0	0	1	2
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	2	142.0%	0	0	4	0	0	0	1	2
Massachusetts	68	0	--	0	0	68	0	0	0	0	0
New Hampshire	45	0	--	45	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,320	3,411	-32.0%	0	0	2,286	3,338	0	0	34	73
New Jersey	16	68	-77.0%	0	0	16	68	0	0	0	0
New York	54	178	-70.0%	0	0	30	153	0	0	23	25
Pennsylvania	2,251	3,165	-29.0%	0	0	2,240	3,117	0	0	11	48
East North Central	15,505	15,889	-2.4%	9,774	9,947	5,514	5,671	0	8	217	263
Illinois	4,750	4,638	2.4%	1,036	1,050	3,558	3,422	0	0	157	166
Indiana	2,803	3,323	-16.0%	2,546	3,087	258	237	0	0	0	0
Michigan	2,759	2,674	3.2%	2,744	2,644	14	12	0	8	1	10
Ohio	3,037	3,175	-4.3%	1,333	1,157	1,686	2,000	0	0	18	18
Wisconsin	2,156	2,078	3.7%	2,115	2,009	0	0	0	0	41	69
West North Central	11,661	10,904	6.9%	11,570	10,620	0	0	2	6	88	278
Iowa	1,887	1,499	26.0%	1,799	1,320	0	0	0	0	88	179
Kansas	1,732	1,446	20.0%	1,732	1,446	0	0	0	0	0	0
Minnesota	1,186	1,410	-16.0%	1,186	1,376	0	0	0	0	0	34
Missouri	3,434	3,280	4.7%	3,432	3,274	0	0	2	6	0	0
Nebraska	1,373	1,302	5.5%	1,373	1,237	0	0	0	0	0	65
North Dakota	1,895	1,811	4.7%	1,895	1,811	0	0	0	0	0	0
South Dakota	154	156	-1.3%	154	156	0	0	0	0	0	0
South Atlantic	10,406	11,336	-8.2%	9,175	9,745	1,116	1,393	0	0	114	198
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,630	2,143	-24.0%	1,593	2,058	37	61	0	0	0	24
Georgia	1,859	1,968	-5.5%	1,838	1,947	0	0	0	0	21	21
Maryland	534	682	-22.0%	0	0	508	657	0	0	25	25
North Carolina	1,837	1,745	5.3%	1,837	1,654	0	54	0	0	0	37
South Carolina	1,045	1,174	-11.0%	1,036	1,158	0	0	0	0	9	17
Virginia	733	760	-3.6%	650	665	55	66	0	0	28	29
West Virginia	2,768	2,864	-3.4%	2,221	2,264	516	554	0	0	31	45
East South Central	6,727	7,430	-9.5%	6,305	7,193	310	116	0	0	112	121
Alabama	1,792	1,814	-1.3%	1,792	1,814	0	0	0	0	0	0
Kentucky	3,292	3,392	-3.0%	3,292	3,392	0	0	0	0	0	0
Mississippi	545	477	14.0%	235	361	310	116	0	0	0	0
Tennessee	1,099	1,746	-37.0%	987	1,625	0	0	0	0	112	121
West South Central	13,459	13,334	0.9%	6,849	7,008	6,604	6,279	0	0	5	48
Arkansas	1,468	1,615	-9.1%	1,282	1,448	181	161	0	0	5	5
Louisiana	946	1,458	-35.0%	519	780	427	677	0	0	0	0
Oklahoma	1,476	1,623	-9.1%	1,348	1,483	128	98	0	0	0	42
Texas	9,569	8,638	11.0%	3,700	3,295	5,868	5,343	0	0	0	0
Mountain	8,554	9,126	-6.3%	7,626	7,984	879	1,104	0	0	49	38
Arizona	1,724	1,968	-12.0%	1,724	1,968	0	0	0	0	0	0
Colorado	1,396	1,422	-1.8%	1,396	1,422	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	834	975	-14.0%	0	28	834	947	0	0	0	0
Nevada	130	232	-44.0%	85	157	45	75	0	0	0	0
New Mexico	969	1,023	-5.3%	969	1,023	0	0	0	0	0	0
Utah	1,298	1,202	8.0%	1,249	1,128	0	36	0	0	49	38
Wyoming	2,204	2,304	-4.4%	2,204	2,259	0	46	0	0	0	0
Pacific Contiguous	661	664	-0.5%	194	220	401	390	0	0	65	54
California	65	63	3.0%	0	0	0	10	0	0	65	54
Oregon	194	220	-12.0%	194	220	0	0	0	0	0	0
Washington	401	381	5.4%	0	0	401	381	0	0	0	0
Pacific Noncontiguous	61	63	-3.8%	0	0	61	63	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	61	63	-3.8%	0	0	61	63	0	0	0	0
U.S. Total	69,472	72,158	-3.7%	51,539	52,716	17,245	18,355	2	13	686	1,073

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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) September 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	1,607	2,209	-27.0%	493	436	1,088	1,749	0	0	25	24
Connecticut	251	406	-38.0%	0	0	251	406	0	0	0	0
Maine	82	68	20.0%	0	0	57	44	0	0	25	24
Massachusetts	781	1,045	-25.0%	0	0	781	1,045	0	0	0	0
New Hampshire	493	436	13.0%	493	436	0	0	0	0	0	0
Rhode Island	0	254	-100.0%	0	0	0	254	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	21,729	32,721	-34.0%	0	166	21,404	31,871	0	0	325	684
New Jersey	652	801	-19.0%	0	0	652	801	0	0	0	0
New York	727	2,440	-70.0%	0	0	501	2,207	0	0	227	233
Pennsylvania	20,350	29,480	-31.0%	0	166	20,252	28,863	0	0	98	451
East North Central	130,532	144,413	-9.6%	81,474	87,989	46,995	53,967	27	62	2,035	2,395
Illinois	41,300	46,008	-10.0%	8,581	10,269	31,269	34,067	0	0	1,450	1,672
Indiana	26,930	30,434	-12.0%	24,783	28,364	2,147	2,070	0	0	0	0
Michigan	21,028	21,596	-2.6%	20,772	21,287	207	177	27	62	21	70
Ohio	23,771	30,286	-22.0%	10,218	12,424	13,373	17,654	0	0	180	209
Wisconsin	17,504	16,088	8.8%	17,120	15,644	0	0	0	0	384	444
West North Central	103,237	101,014	2.2%	102,217	98,338	0	0	59	84	960	2,592
Iowa	16,301	14,043	16.0%	15,341	12,338	0	0	0	0	960	1,705
Kansas	13,896	13,726	1.2%	13,896	13,726	0	0	0	0	0	0
Minnesota	12,755	11,977	6.5%	12,740	11,668	0	0	14	19	0	290
Missouri	31,501	30,403	3.6%	31,456	30,339	0	0	45	65	0	0
Nebraska	10,459	12,043	-13.0%	10,459	11,445	0	0	0	0	0	597
North Dakota	17,615	17,473	0.8%	17,615	17,473	0	0	0	0	0	0
South Dakota	708	1,349	-48.0%	708	1,349	0	0	0	0	0	0
South Atlantic	85,748	91,893	-6.7%	75,007	76,922	9,668	13,182	0	0	1,073	1,789
Delaware	152	453	-66.0%	0	0	152	453	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	15,164	15,977	-5.1%	14,651	15,137	514	659	0	0	0	181
Georgia	15,374	15,496	-0.8%	15,212	15,178	0	0	0	0	162	318
Maryland	5,170	6,447	-20.0%	0	0	4,933	6,174	0	0	238	273
North Carolina	11,931	13,045	-8.5%	11,931	12,360	0	404	0	0	0	280
South Carolina	9,221	7,857	17.0%	9,092	7,705	0	0	0	0	129	152
Virginia	5,993	8,032	-25.0%	5,208	6,898	529	855	0	0	256	279
West Virginia	22,743	24,587	-7.5%	18,913	19,644	3,541	4,638	0	0	289	305
East South Central	58,436	66,430	-12.0%	54,759	63,019	2,568	2,257	0	0	1,109	1,153
Alabama	15,502	17,775	-13.0%	15,502	17,775	0	0	0	0	0	0
Kentucky	30,558	28,136	8.6%	30,558	28,136	0	0	0	0	0	0
Mississippi	4,104	4,991	-18.0%	1,536	2,734	2,568	2,257	0	0	0	0
Tennessee	8,272	15,527	-47.0%	7,163	14,374	0	0	0	0	1,109	1,153
West South Central	101,676	110,952	-8.4%	53,523	55,796	48,089	54,760	0	0	64	396
Arkansas	11,603	13,613	-15.0%	9,673	12,137	1,866	1,438	0	0	64	38
Louisiana	8,371	8,711	-3.9%	4,793	3,942	3,577	4,769	0	0	0	0
Oklahoma	13,561	13,808	-1.8%	12,625	12,626	936	824	0	0	0	359
Texas	68,142	74,819	-8.9%	26,432	27,091	41,710	47,729	0	0	0	0
Mountain	77,999	79,250	-1.6%	70,658	70,794	7,132	8,196	0	0	209	259
Arizona	16,364	17,049	-4.0%	16,364	17,049	0	0	0	0	0	0
Colorado	14,325	12,605	14.0%	14,325	12,605	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	6,754	7,071	-4.5%	0	203	6,754	6,867	0	0	0	0
Nevada	992	2,969	-67.0%	615	2,378	378	591	0	0	0	0
New Mexico	9,164	8,923	2.7%	9,164	8,923	0	0	0	0	0	0
Utah	11,472	10,719	7.0%	11,263	10,117	0	343	0	0	209	259
Wyoming	18,927	19,914	-5.0%	18,927	19,519	0	395	0	0	0	0
Pacific Contiguous	4,187	5,750	-27.0%	1,074	1,703	2,616	3,622	0	0	497	426
California	497	609	-18.0%	0	0	0	183	0	0	497	426
Oregon	1,074	1,703	-37.0%	1,074	1,703	0	0	0	0	0	0
Washington	2,616	3,439	-24.0%	0	0	2,616	3,439	0	0	0	0
Pacific Noncontiguous	476	546	-13.0%	0	0	476	546	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	476	546	-13.0%	0	0	476	546	0	0	0	0
U.S. Total	585,627	635,176	-7.8%	439,205	455,163	140,037	170,150	87	146	6,298	9,718

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

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

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, September 2015 and 2014
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	356	316	12.0%	0	172	355	144	0	0	1	0
Connecticut	105	101	4.0%	0	0	105	101	0	0	0	0
Maine	77	1	NM	0	0	76	1	0	0	1	0
Massachusetts	72	109	-34.0%	0	67	72	42	0	0	0	0
New Hampshire	0	105	-100.0%	0	105	0	0	0	0	0	0
Rhode Island	101	0	--	0	0	101	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	378	194	95.0%	3	6	375	187	0	0	1	1
New Jersey	26	10	148.0%	0	0	26	10	0	0	0	0
New York	234	103	128.0%	3	6	231	96	0	0	1	1
Pennsylvania	118	81	47.0%	0	0	118	80	0	0	0	0
East North Central	63	71	-11.0%	45	49	15	20	0	0	3	2
Illinois	11	20	-43.0%	3	5	8	14	0	0	0	0
Indiana	14	14	0.2%	14	14	0	0	0	0	0	0
Michigan	12	17	-28.0%	12	16	0	0	0	0	0	0
Ohio	24	18	36.0%	15	10	7	6	0	0	3	2
Wisconsin	2	3	-33.0%	2	3	0	0	0	0	0	0
West North Central	21	37	-43.0%	21	37	0	0	0	0	0	0
Iowa	3	3	-6.2%	3	3	0	0	0	0	0	0
Kansas	4	12	-70.0%	4	12	0	0	0	0	0	0
Minnesota	3	2	90.0%	3	2	0	0	0	0	0	0
Missouri	7	12	-42.0%	7	12	0	0	0	0	0	0
Nebraska	0	3	-100.0%	0	3	0	0	0	0	0	0
North Dakota	4	5	-21.0%	4	5	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	498	254	96.0%	252	217	171	18	0	0	74	19
Delaware	104	2	NM	0	0	104	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	16	23	-32.0%	15	22	0	0	0	0	0	1
Georgia	6	14	-53.0%	5	5	0	0	0	0	2	9
Maryland	56	9	543.0%	0	0	56	9	0	0	0	0
North Carolina	22	18	18.0%	22	18	0	0	0	0	0	0
South Carolina	13	61	-78.0%	2	53	0	0	0	0	11	7
Virginia	259	100	158.0%	194	93	4	6	0	0	61	1
West Virginia	22	27	-18.0%	14	25	8	1	0	0	0	0
East South Central	22	32	-31.0%	22	32	0	0	0	0	1	0
Alabama	3	3	-13.0%	3	3	0	0	0	0	0	0
Kentucky	12	16	-24.0%	12	16	0	0	0	0	0	0
Mississippi	0	3	-100.0%	0	3	0	0	0	0	0	0
Tennessee	7	10	-26.0%	7	10	0	0	0	0	1	0
West South Central	53	22	148.0%	40	3	13	19	0	0	0	0
Arkansas	21	1	NM	18	0	4	1	0	0	0	0
Louisiana	8	3	160.0%	5	0	3	3	0	0	0	0
Oklahoma	1	1	98.0%	1	1	0	0	0	0	0	0
Texas	22	16	35.0%	16	2	7	14	0	0	0	0
Mountain	23	22	5.5%	21	20	2	2	0	0	0	0
Arizona	10	1	738.0%	10	1	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	2	1	41.0%	0	0	2	1	0	0	0	0
Nevada	1	3	-65.0%	1	2	1	1	0	0	0	0
New Mexico	4	11	-61.0%	4	11	0	0	0	0	0	0
Utah	2	1	105.0%	2	1	0	0	0	0	0	0
Wyoming	4	5	-18.0%	4	5	0	0	0	0	0	0
Pacific Contiguous	1	0	--	0	0	1	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1	0	--	0	0	1	0	0	0	0	0
Pacific Noncontiguous	948	738	28.0%	752	602	196	136	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	948	738	28.0%	752	602	196	136	0	0	0	0
U.S. Total	2,364	1,686	40.0%	1,156	1,137	1,128	526	0	0	79	23

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

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

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) September 2015 and 2014
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	1,813	2,531	-28.0%	62	505	1,718	1,987	0	0	33	39
Connecticut	407	624	-35.0%	0	0	407	624	0	0	0	0
Maine	564	242	133.0%	0	0	532	203	0	0	33	39
Massachusetts	650	1,056	-38.0%	5	162	645	894	0	0	0	0
New Hampshire	80	522	-85.0%	57	343	23	179	0	0	0	0
Rhode Island	112	87	29.0%	0	0	112	87	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,262	4,083	-20.0%	1,046	904	2,210	3,161	0	0	6	18
New Jersey	91	243	-62.0%	0	0	91	243	0	0	0	0
New York	2,296	2,822	-19.0%	1,046	904	1,245	1,908	0	0	6	10
Pennsylvania	874	1,018	-14.0%	0	0	874	1,010	0	0	0	8
East North Central	831	1,131	-26.0%	584	633	215	463	0	0	32	34
Illinois	73	140	-48.0%	23	35	50	105	0	0	0	0
Indiana	218	205	6.2%	218	205	0	0	0	0	0	0
Michigan	143	179	-20.0%	134	168	0	0	0	0	9	11
Ohio	352	529	-33.0%	169	151	162	356	0	0	22	22
Wisconsin	45	78	-43.0%	40	74	4	2	0	0	1	2
West North Central	285	415	-31.0%	285	412	0	2	0	0	0	0
Iowa	48	71	-33.0%	48	71	0	0	0	0	0	0
Kansas	58	69	-17.0%	58	69	0	0	0	0	0	0
Minnesota	19	70	-72.0%	19	68	0	2	0	0	0	0
Missouri	112	129	-13.0%	112	129	0	0	0	0	0	0
Nebraska	2	32	-94.0%	2	32	0	0	0	0	0	0
North Dakota	38	37	1.3%	38	37	0	0	0	0	0	0
South Dakota	8	6	44.0%	8	6	0	0	0	0	0	0
South Atlantic	4,309	4,548	-5.3%	2,895	3,189	892	1,169	0	0	522	191
Delaware	168	23	642.0%	0	0	168	23	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	487	332	47.0%	483	308	4	9	0	0	0	14
Georgia	229	301	-24.0%	111	187	75	47	0	0	43	67
Maryland	332	779	-57.0%	0	0	332	779	0	0	0	0
North Carolina	464	639	-27.0%	431	602	33	17	0	0	0	19
South Carolina	378	516	-27.0%	268	453	7	0	0	0	103	63
Virginia	2,096	1,755	19.0%	1,463	1,469	257	259	0	0	376	27
West Virginia	155	204	-24.0%	139	169	16	35	0	0	0	0
East South Central	417	432	-3.5%	388	409	27	23	0	0	3	0
Alabama	90	112	-20.0%	63	89	27	23	0	0	0	0
Kentucky	138	171	-19.0%	138	171	0	0	0	0	0	0
Mississippi	45	18	145.0%	45	18	0	0	0	0	0	0
Tennessee	145	131	11.0%	142	131	0	0	0	0	3	0
West South Central	297	274	8.3%	206	132	90	142	0	0	0	0
Arkansas	76	25	199.0%	59	12	17	13	0	0	0	0
Louisiana	91	103	-12.0%	69	63	21	40	0	0	0	0
Oklahoma	3	15	-80.0%	3	15	0	0	0	0	0	0
Texas	127	131	-2.7%	76	42	51	89	0	0	0	0
Mountain	286	266	7.4%	271	245	15	22	0	0	0	0
Arizona	85	67	27.0%	85	67	0	0	0	0	0	0
Colorado	6	4	39.0%	6	4	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	10	18	-41.0%	0	0	10	18	0	0	0	0
Nevada	24	20	17.0%	19	17	4	3	0	0	0	0
New Mexico	87	84	3.5%	87	84	0	0	0	0	0	0
Utah	24	23	5.2%	24	22	0	1	0	0	0	0
Wyoming	50	50	-0.5%	50	50	0	0	0	0	0	0
Pacific Contiguous	9	20	-54.0%	1	7	8	12	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	1	7	-87.0%	1	7	0	0	0	0	0	0
Washington	8	12	-34.0%	0	0	8	12	0	0	0	0
Pacific Noncontiguous	6,926	6,743	2.7%	5,445	5,304	1,481	1,439	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	6,926	6,743	2.7%	5,445	5,304	1,481	1,439	0	0	0	0
U.S. Total	18,435	20,443	-9.8%	11,183	11,741	6,657	8,420	0	0	595	282

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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, September 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	9	-100.0%	0	0	0	0	0	0	0	9
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	9	-100.0%	0	0	0	0	0	0	0	9
East North Central	89	122	-27.0%	67	75	16	33	0	0	6	13
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	41	40	1.5%	41	40	0	0	0	0	0	0
Michigan	18	29	-38.0%	18	29	0	0	0	0	0	0
Ohio	16	33	-54.0%	0	0	16	33	0	0	0	0
Wisconsin	15	19	-24.0%	8	6	0	0	0	0	6	13
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	95	38	151.0%	88	24	0	0	0	0	7	14
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	88	24	271.0%	88	24	0	0	0	0	0	0
Georgia	7	14	-48.0%	0	0	0	0	0	0	7	14
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	58	71	-18.0%	58	71	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	58	71	-18.0%	58	71	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	216	175	23.0%	216	175	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	216	175	23.0%	216	175	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	0	0	--	0	0	0	0	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	458	414	10.0%	429	345	16	33	0	0	14	36

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

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

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) September 2015 and 2014
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	80	-100.0%	0	0	0	0	0	0	0	80
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	80	-100.0%	0	0	0	0	0	0	0	80
East North Central	987	1,142	-14.0%	573	684	352	369	0	0	62	89
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	294	358	-18.0%	294	358	0	0	0	0	0	0
Michigan	266	297	-10.0%	254	282	13	15	0	0	0	0
Ohio	339	354	-4.3%	0	0	339	354	0	0	0	0
Wisconsin	88	133	-34.0%	26	43	0	0	0	0	62	89
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	826	838	-1.5%	719	771	0	0	0	0	107	67
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	719	771	-6.8%	719	771	0	0	0	0	0	0
Georgia	107	67	60.0%	0	0	0	0	0	0	107	67
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	453	349	30.0%	453	349	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	453	349	30.0%	453	349	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,339	1,365	-1.9%	1,339	1,365	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,339	1,365	-1.9%	1,339	1,365	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	0	0	--	0	0	0	0	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,605	3,774	-4.5%	3,084	3,169	352	369	0	0	169	236

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

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

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, September 2015 and 2014
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	34,852	31,184	12.0%	257	201	34,539	30,360	0	0	56	624
Connecticut	10,209	7,677	33.0%	0	0	10,209	7,677	0	0	0	0
Maine	1,605	1,832	-12.0%	0	0	1,549	1,208	0	0	56	624
Massachusetts	15,627	13,007	20.0%	256	182	15,371	12,824	0	0	0	0
New Hampshire	3,923	3,318	18.0%	1	18	3,923	3,299	0	0	0	0
Rhode Island	3,488	5,351	-35.0%	0	0	3,488	5,351	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	108,950	96,026	13.0%	9,566	8,512	99,237	87,354	0	0	147	159
New Jersey	27,425	21,394	28.0%	0	0	27,425	21,394	0	0	0	0
New York	43,920	38,735	13.0%	9,566	8,512	34,299	30,151	0	0	55	71
Pennsylvania	37,605	35,897	4.8%	0	0	37,513	35,809	0	0	93	88
East North Central	54,718	35,359	55.0%	23,191	12,350	30,719	22,276	453	443	355	289
Illinois	7,846	2,966	165.0%	1,006	228	6,835	2,736	0	0	5	2
Indiana	7,123	4,027	77.0%	6,617	2,346	506	1,680	0	0	0	0
Michigan	13,030	7,409	76.0%	3,230	2,290	9,098	4,623	453	443	250	54
Ohio	18,198	16,623	9.5%	4,957	3,890	13,234	12,693	0	0	8	41
Wisconsin	8,521	4,333	97.0%	7,382	3,596	1,047	544	0	0	92	193
West North Central	13,701	7,108	93.0%	11,186	6,004	2,348	993	167	108	0	3
Iowa	2,732	1,885	45.0%	2,732	1,882	0	0	0	0	0	2
Kansas	1,263	993	27.0%	1,263	993	0	0	0	0	0	0
Minnesota	5,819	1,498	288.0%	4,370	1,213	1,449	282	0	2	0	1
Missouri	3,149	2,540	24.0%	2,083	1,724	899	711	167	106	0	0
Nebraska	346	156	122.0%	346	156	0	0	0	0	0	0
North Dakota	88	17	430.0%	88	17	0	0	0	0	0	0
South Dakota	304	19	NM	304	19	0	0	0	0	0	0
South Atlantic	201,976	172,940	17.0%	161,559	140,159	37,965	30,458	0	0	2,452	2,322
Delaware	5,604	5,496	2.0%	0	0	4,588	4,547	0	0	1,016	949
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	102,264	94,374	8.4%	98,244	90,222	4,020	4,095	0	0	0	57
Georgia	31,558	29,123	8.4%	18,449	19,449	12,161	9,059	0	0	947	614
Maryland	3,896	1,670	133.0%	0	0	3,865	1,667	0	0	31	3
North Carolina	23,530	19,592	20.0%	21,287	16,659	2,242	2,922	0	0	0	10
South Carolina	10,866	6,449	68.0%	9,569	5,721	1,248	700	0	0	48	28
Virginia	22,358	15,469	45.0%	13,719	8,089	8,229	6,721	0	0	409	660
West Virginia	1,902	767	148.0%	291	19	1,611	748	0	0	0	0
East South Central	69,380	55,137	26.0%	40,370	29,359	28,386	25,221	0	0	624	557
Alabama	31,387	31,122	0.9%	6,563	7,963	24,824	23,159	0	0	0	0
Kentucky	4,867	726	570.0%	3,786	726	1,081	0	0	0	0	0
Mississippi	26,377	19,315	37.0%	23,895	17,254	2,481	2,062	0	0	0	0
Tennessee	6,749	3,974	70.0%	6,125	3,417	0	0	0	0	624	557
West South Central	255,923	227,108	13.0%	75,772	61,910	128,321	115,619	0	0	51,829	49,580
Arkansas	8,491	5,763	47.0%	3,938	568	4,323	4,974	0	0	230	221
Louisiana	44,801	40,194	11.0%	25,040	22,221	2,704	1,377	0	0	17,057	16,596
Oklahoma	20,057	15,593	29.0%	12,507	9,946	7,550	5,646	0	0	0	1
Texas	182,573	165,559	10.0%	34,287	29,175	113,744	103,622	0	0	34,542	32,762
Mountain	71,159	64,011	11.0%	53,197	44,697	17,916	19,273	0	0	46	40
Arizona	30,756	26,785	15.0%	17,645	12,654	13,111	14,131	0	0	0	0
Colorado	8,780	8,296	5.8%	7,246	6,581	1,533	1,715	0	0	0	0
Idaho	2,603	2,256	15.0%	1,561	1,181	1,042	1,075	0	0	0	0
Montana	0	1	-100.0%	0	0	0	1	0	0	0	0
Nevada	18,667	16,735	12.0%	18,667	16,321	0	414	0	0	0	0
New Mexico	5,708	5,055	13.0%	3,530	3,313	2,178	1,742	0	0	0	0
Utah	4,631	4,743	-2.3%	4,533	4,618	53	85	0	0	46	40
Wyoming	14	140	-90.0%	14	30	0	110	0	0	0	0
Pacific Contiguous	98,235	98,035	0.2%	36,854	38,005	57,856	56,333	0	0	3,525	3,697
California	77,099	76,974	0.2%	23,633	24,390	49,941	48,887	0	0	3,525	3,697
Oregon	11,659	10,779	8.2%	4,922	4,395	6,737	6,383	0	0	0	0
Washington	9,477	10,283	-7.8%	8,300	9,220	1,177	1,063	0	0	0	0
Pacific Noncontiguous	1,030	1,449	-29.0%	1,030	1,449	0	0	0	0	0	0
Alaska	1,030	1,449	-29.0%	1,030	1,449	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	909,925	788,357	15.0%	412,983	342,647	437,288	387,887	620	551	59,033	57,273

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Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) September 2015 and 2014
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	287,242	253,726	13.0%	2,043	1,716	284,665	247,258	0	0	534	4,752
Connecticut	85,579	72,335	18.0%	0	0	85,579	72,335	0	0	0	0
Maine	12,436	23,625	-47.0%	0	0	11,902	18,872	0	0	534	4,752
Massachusetts	117,619	99,753	18.0%	1,768	1,356	115,851	98,397	0	0	0	0
New Hampshire	32,832	22,791	44.0%	275	360	32,558	22,431	0	0	0	0
Rhode Island	38,774	35,222	10.0%	0	0	38,774	35,222	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	840,301	742,775	13.0%	77,546	74,046	761,275	667,139	0	0	1,479	1,590
New Jersey	199,447	162,124	23.0%	0	0	199,447	162,124	0	0	0	0
New York	329,594	308,805	6.7%	77,546	74,046	251,454	234,090	0	0	594	669
Pennsylvania	311,260	271,846	14.0%	0	0	310,374	270,925	0	0	886	921
East North Central	485,282	331,624	46.0%	204,198	130,286	272,792	195,472	3,668	3,422	4,624	2,443
Illinois	53,713	25,266	113.0%	4,043	2,699	49,624	22,534	0	0	46	33
Indiana	82,561	54,244	52.0%	66,191	36,768	16,370	17,476	0	0	0	0
Michigan	116,889	76,764	52.0%	25,441	20,145	84,746	52,171	3,668	3,422	3,034	1,026
Ohio	158,395	135,195	17.0%	41,700	36,670	116,386	97,946	0	0	308	580
Wisconsin	73,724	40,154	84.0%	66,823	34,004	5,665	5,345	0	0	1,236	805
West North Central	106,497	68,900	55.0%	90,661	58,362	14,902	9,767	924	661	9	110
Iowa	20,092	11,023	82.0%	20,082	10,995	0	0	0	0	9	28
Kansas	10,430	10,526	-0.9%	10,430	10,526	0	0	0	0	0	0
Minnesota	39,183	19,532	101.0%	32,784	15,212	6,327	4,195	72	48	0	77
Missouri	28,967	23,056	26.0%	19,539	16,870	8,576	5,572	852	613	0	0
Nebraska	3,156	2,683	18.0%	3,156	2,679	0	0	0	0	0	4
North Dakota	447	25	NM	447	25	0	0	0	0	0	0
South Dakota	4,223	2,055	106.0%	4,223	2,055	0	0	0	0	0	0
South Atlantic	1,715,958	1,425,610	20.0%	1,386,781	1,184,298	302,654	223,461	0	0	26,523	17,851
Delaware	45,224	39,372	15.0%	0	0	34,472	31,704	0	0	10,752	7,668
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	852,917	793,820	7.4%	816,763	758,670	36,155	34,882	0	0	0	268
Georgia	279,901	216,832	29.0%	176,462	152,067	94,177	58,988	0	0	9,262	5,777
Maryland	28,926	14,627	98.0%	0	0	28,661	14,430	0	0	265	197
North Carolina	204,436	154,906	32.0%	180,504	136,616	23,932	18,196	0	0	0	94
South Carolina	93,995	67,292	40.0%	84,193	60,127	9,355	6,932	0	0	447	234
Virginia	200,132	133,793	50.0%	127,540	74,864	66,796	55,316	0	0	5,796	3,614
West Virginia	10,427	4,969	110.0%	1,319	1,955	9,108	3,014	0	0	0	0
East South Central	634,412	484,655	31.0%	375,551	293,811	253,488	188,463	0	0	5,374	2,381
Alabama	285,882	236,762	21.0%	70,739	68,535	215,143	168,228	0	0	0	0
Kentucky	32,778	23,335	40.0%	27,087	21,823	5,691	1,512	0	0	0	0
Mississippi	256,790	186,269	38.0%	224,136	167,546	32,654	18,723	0	0	0	0
Tennessee	58,962	38,289	54.0%	53,588	35,908	0	0	0	0	5,374	2,381
West South Central	2,247,625	1,978,986	14.0%	651,049	562,036	1,133,252	940,601	0	0	463,324	476,349
Arkansas	92,635	58,261	59.0%	25,689	9,794	64,044	47,028	0	0	2,903	1,440
Louisiana	400,068	372,366	7.4%	227,703	190,484	22,522	16,155	0	0	149,843	165,727
Oklahoma	194,627	164,112	19.0%	127,170	110,786	67,458	53,185	0	0	0	142
Texas	1,560,295	1,384,246	13.0%	270,487	250,972	979,228	824,233	0	0	310,579	309,041
Mountain	496,987	442,470	12.0%	369,043	322,339	127,504	119,653	0	0	440	478
Arizona	184,196	160,996	14.0%	98,007	81,265	86,189	79,732	0	0	0	0
Colorado	62,896	65,779	-4.4%	49,550	51,550	13,346	14,229	0	0	0	0
Idaho	17,595	12,653	39.0%	10,746	6,819	6,849	5,833	0	0	0	0
Montana	0	39	-100.0%	0	11	0	28	0	0	0	0
Nevada	143,663	111,412	29.0%	143,663	109,757	0	1,655	0	0	0	0
New Mexico	50,130	50,369	-0.5%	30,046	33,336	20,083	17,032	0	0	0	0
Utah	38,424	40,874	-6.0%	36,947	39,378	1,037	1,018	0	0	440	478
Wyoming	84	348	-76.0%	84	223	0	125	0	0	0	0
Pacific Contiguous	658,294	668,321	-1.5%	252,895	243,879	377,139	390,126	0	0	28,260	34,315
California	526,959	556,423	-5.3%	172,841	173,940	325,858	348,168	0	0	28,260	34,315
Oregon	77,926	61,396	27.0%	32,223	23,535	45,703	37,861	0	0	0	0
Washington	53,408	50,502	5.8%	47,831	46,404	5,578	4,098	0	0	0	0
Pacific Noncontiguous	11,810	14,951	-21.0%	11,810	14,951	0	0	0	0	0	0
Alaska	11,810	14,951	-21.0%	11,810	14,951	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,484,408	6,412,017	17.0%	3,421,577	2,885,724	3,527,672	2,981,941	4,592	4,083	530,568	540,269

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

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

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, September 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014
New England	W	W	W	4.13	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	--	W	--	--	W	--
New Hampshire	4.13	--	--	4.13	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.24	2.44	-8.2%	--	--	2.24	2.44
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	--	--	W	W
Pennsylvania	2.22	2.38	-6.7%	--	--	2.22	2.38
East North Central	2.15	2.33	-7.7%	2.22	2.42	2.02	2.18
Illinois	1.91	W	W	2.02	2.07	1.87	W
Indiana	W	W	W	2.30	2.59	W	W
Michigan	W	W	W	2.26	2.55	W	W
Ohio	W	2.31	W	2.12	2.18	W	2.38
Wisconsin	2.20	2.31	-4.8%	2.20	2.31	--	--
West North Central	1.70	1.81	-6.1%	1.70	1.81	--	--
Iowa	1.63	1.65	-1.2%	1.63	1.65	--	--
Kansas	1.68	1.81	-7.2%	1.68	1.81	--	--
Minnesota	1.80	2.00	-10.0%	1.80	2.00	--	--
Missouri	1.88	2.04	-7.8%	1.88	2.04	--	--
Nebraska	1.33	1.39	-4.3%	1.33	1.39	--	--
North Dakota	1.65	1.61	2.5%	1.65	1.61	--	--
South Dakota	1.95	2.02	-3.5%	1.95	2.02	--	--
South Atlantic	2.92	3.10	-5.8%	2.97	3.16	2.55	2.73
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.13	3.29	W	W
Georgia	2.93	3.19	-8.2%	2.93	3.19	--	--
Maryland	2.83	2.86	-1.0%	--	--	2.83	2.86
North Carolina	3.38	3.61	-6.4%	3.38	3.63	--	3.04
South Carolina	3.52	3.61	-2.5%	3.52	3.61	--	--
Virginia	W	W	W	2.79	3.21	W	W
West Virginia	W	2.37	W	2.34	2.42	W	2.18
East South Central	W	W	W	2.32	2.49	W	W
Alabama	2.44	2.66	-8.3%	2.44	2.66	--	--
Kentucky	2.18	2.36	-7.6%	2.18	2.36	--	--
Mississippi	W	W	W	3.13	3.20	W	W
Tennessee	2.40	2.44	-1.6%	2.40	2.44	--	--
West South Central	2.07	2.15	-3.7%	2.22	2.23	1.90	2.06
Arkansas	W	W	W	2.24	2.42	W	W
Louisiana	W	W	W	3.58	3.05	W	W
Oklahoma	W	W	W	1.94	1.98	W	W
Texas	1.98	2.06	-3.9%	2.14	2.06	1.87	2.05
Mountain	W	W	W	1.94	2.00	W	W
Arizona	1.89	2.09	-9.6%	1.89	2.09	--	--
Colorado	1.78	2.07	-14.0%	1.78	2.07	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.57	W	W
Nevada	W	W	W	1.93	2.58	W	W
New Mexico	2.40	2.41	-0.4%	2.40	2.41	--	--
Utah	1.93	2.12	-9.0%	1.93	2.12	--	--
Wyoming	1.90	W	W	1.90	1.56	--	W
Pacific Contiguous	W	W	W	2.36	2.49	W	W
California	--	W	W	--	--	--	W
Oregon	2.36	2.49	-5.2%	2.36	2.49	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.21	2.36	-6.4%	2.26	2.41	2.05	2.21

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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) September 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	3.57	3.54	0.8%	3.92	4.30	3.38	3.32
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.92	4.30	-8.8%	3.92	4.30	--	--
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.44	2.60	-6.2%	--	3.50	2.44	2.59
New Jersey	3.89	3.84	1.3%	--	--	3.89	3.84
New York	3.05	3.02	1.0%	--	--	3.05	3.02
Pennsylvania	2.38	2.53	-5.9%	--	3.50	2.38	2.52
East North Central	2.20	2.33	-5.6%	2.29	2.42	2.04	2.17
Illinois	1.93	2.00	-3.5%	2.02	2.05	1.90	1.98
Indiana	W	W	W	2.32	2.58	W	W
Michigan	W	W	W	2.45	2.59	W	W
Ohio	W	W	W	2.14	2.16	W	W
Wisconsin	2.30	2.33	-1.3%	2.30	2.33	--	--
West North Central	1.73	1.79	-3.4%	1.73	1.79	--	--
Iowa	1.63	1.66	-1.8%	1.63	1.66	--	--
Kansas	1.71	1.79	-4.5%	1.71	1.79	--	--
Minnesota	1.92	1.97	-2.5%	1.92	1.97	--	--
Missouri	1.91	2.00	-4.5%	1.91	2.00	--	--
Nebraska	1.36	1.40	-2.9%	1.36	1.40	--	--
North Dakota	1.55	1.56	-0.6%	1.55	1.56	--	--
South Dakota	2.17	2.09	3.8%	2.17	2.09	--	--
South Atlantic	2.96	3.10	-4.5%	2.99	3.14	2.70	2.85
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.07	3.34	W	W
Georgia	2.97	3.14	-5.4%	2.97	3.14	--	--
Maryland	2.88	3.00	-4.0%	--	--	2.88	3.00
North Carolina	3.50	3.59	-2.5%	3.50	3.61	--	3.03
South Carolina	3.56	3.64	-2.2%	3.56	3.64	--	--
Virginia	W	3.29	W	2.89	3.21	W	3.88
West Virginia	2.33	2.42	-3.7%	2.38	2.49	2.09	2.09
East South Central	W	W	W	2.34	2.53	W	W
Alabama	2.46	2.75	-11.0%	2.46	2.75	--	--
Kentucky	2.23	2.36	-5.5%	2.23	2.36	--	--
Mississippi	W	W	W	3.15	3.25	W	W
Tennessee	2.40	2.46	-2.4%	2.40	2.46	--	--
West South Central	2.08	2.08	0.0%	2.19	2.19	1.95	1.95
Arkansas	W	W	W	2.25	2.39	W	W
Louisiana	W	W	W	2.99	2.86	W	W
Oklahoma	W	W	W	1.98	1.97	W	W
Texas	2.01	2.00	0.5%	2.14	2.11	1.92	1.94
Mountain	W	1.94	W	1.92	1.98	W	1.53
Arizona	2.00	2.11	-5.2%	2.00	2.11	--	--
Colorado	1.79	1.94	-7.7%	1.79	1.94	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.90	W	W
Nevada	W	W	W	2.59	2.44	W	W
New Mexico	2.37	2.39	-0.8%	2.37	2.39	--	--
Utah	1.95	2.10	-7.1%	1.95	2.10	--	--
Wyoming	1.66	W	W	1.66	1.56	--	W
Pacific Contiguous	W	W	W	2.38	2.49	W	W
California	--	W	W	--	--	--	W
Oregon	2.38	2.49	-4.4%	2.38	2.49	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.24	2.35	-4.7%	2.27	2.38	2.15	2.27

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

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, September 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014
New England	W	W	W	13.49	16.87	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	8.12	W	W	--	20.17	8.12	W
New Hampshire	13.49	14.96	-9.8%	13.49	14.96	--	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	9.75	19.33	-50.0%	13.47	22.71	9.71	19.19
New Jersey	W	W	W	--	--	W	W
New York	9.34	W	W	13.47	22.71	9.29	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	12.54	21.44	-42.0%	12.52	21.33	12.61	21.70
Illinois	W	21.83	W	12.53	22.06	W	21.75
Indiana	12.50	21.46	-42.0%	12.50	21.46	--	--
Michigan	12.62	20.55	-39.0%	12.62	20.55	--	--
Ohio	W	21.70	W	12.42	21.76	W	21.58
Wisconsin	12.68	22.18	-43.0%	12.68	22.18	--	--
West North Central	12.16	20.93	-42.0%	12.16	20.93	--	--
Iowa	11.94	20.53	-42.0%	11.94	20.53	--	--
Kansas	11.93	20.61	-42.0%	11.93	20.61	--	--
Minnesota	13.09	21.21	-38.0%	13.09	21.21	--	--
Missouri	12.10	20.60	-41.0%	12.10	20.60	--	--
Nebraska	--	21.26	--	--	21.26	--	--
North Dakota	11.87	22.27	-47.0%	11.87	22.27	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	20.95	W	8.13	20.93	W	21.17
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	11.71	21.95	W	W
Georgia	10.96	21.52	-49.0%	10.96	21.52	--	--
Maryland	10.88	20.48	-47.0%	--	--	10.88	20.48
North Carolina	11.73	W	W	11.73	20.88	--	W
South Carolina	19.16	20.52	-6.6%	19.16	20.52	--	--
Virginia	W	W	W	7.00	20.69	W	W
West Virginia	W	W	W	12.84	21.69	W	W
East South Central	12.25	20.77	-41.0%	12.25	20.77	--	--
Alabama	11.70	21.29	-45.0%	11.70	21.29	--	--
Kentucky	12.71	20.99	-39.0%	12.71	20.99	--	--
Mississippi	--	20.06	--	--	20.06	--	--
Tennessee	11.64	20.45	-43.0%	11.64	20.45	--	--
West South Central	11.65	19.60	-41.0%	11.57	21.61	11.87	19.32
Arkansas	W	W	W	12.06	--	W	W
Louisiana	W	W	W	10.82	--	W	W
Oklahoma	12.90	22.32	-42.0%	12.90	22.32	--	--
Texas	W	W	W	11.14	21.35	W	W
Mountain	W	W	W	12.83	22.61	W	W
Arizona	11.63	21.62	-46.0%	11.63	21.62	--	--
Colorado	11.70	--	--	11.70	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	16.34	23.47	W	W
New Mexico	12.10	23.47	-48.0%	12.10	23.47	--	--
Utah	15.43	W	W	15.43	21.58	--	W
Wyoming	14.87	20.85	-29.0%	14.87	20.85	--	--
Pacific Contiguous	W	--	W	--	--	W	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	--	W	--	--	W	--
Pacific Noncontiguous	W	W	W	9.80	20.10	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	9.80	20.10	W	W
U.S. Total	9.61	19.70	-51.0%	9.74	19.90	9.45	19.20

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

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) September 2015 and 2014 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	W	W	W	11.46	18.11	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	13.88	19.82	-30.0%	22.01	20.89	13.82	19.64
New Hampshire	W	W	W	10.51	16.92	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	12.40	21.16	-41.0%	10.16	19.84	13.69	21.59
New Jersey	14.99	23.49	-36.0%	--	--	14.99	23.49
New York	12.07	20.33	-41.0%	10.16	19.84	13.71	20.59
Pennsylvania	13.45	23.20	-42.0%	--	--	13.45	23.20
East North Central	14.03	23.60	-41.0%	13.97	22.98	14.19	24.49
Illinois	W	W	W	14.21	23.17	W	W
Indiana	14.15	23.14	-39.0%	14.15	23.14	--	--
Michigan	13.27	22.21	-40.0%	13.27	22.21	--	--
Ohio	13.88	24.55	-43.0%	13.64	24.02	14.13	24.77
Wisconsin	W	W	W	16.49	22.09	W	W
West North Central	13.25	W	W	13.25	22.25	--	W
Iowa	13.29	22.16	-40.0%	13.29	22.16	--	--
Kansas	12.96	21.84	-41.0%	12.96	21.84	--	--
Minnesota	13.83	W	W	13.83	22.52	--	W
Missouri	13.24	22.14	-40.0%	13.24	22.14	--	--
Nebraska	22.03	22.10	-0.3%	22.03	22.10	--	--
North Dakota	13.07	23.07	-43.0%	13.07	23.07	--	--
South Dakota	12.55	22.70	-45.0%	12.55	22.70	--	--
South Atlantic	13.00	22.30	-42.0%	12.65	22.26	14.46	22.43
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	14.56	22.94	W	W
Georgia	16.94	W	W	18.53	23.28	14.11	W
Maryland	11.26	21.86	-48.0%	--	--	11.26	21.86
North Carolina	W	22.63	W	13.89	22.68	W	20.87
South Carolina	15.16	22.88	-34.0%	15.16	22.88	--	--
Virginia	11.90	21.84	-46.0%	10.74	21.52	19.05	23.70
West Virginia	W	W	W	14.33	23.36	W	W
East South Central	W	W	W	12.96	22.08	W	W
Alabama	W	W	W	13.35	21.99	W	W
Kentucky	13.84	22.23	-38.0%	13.84	22.23	--	--
Mississippi	10.49	21.59	-51.0%	10.49	21.59	--	--
Tennessee	12.76	22.01	-42.0%	12.76	22.01	--	--
West South Central	13.30	21.69	-39.0%	13.26	21.78	13.41	21.60
Arkansas	W	W	W	13.61	22.91	W	W
Louisiana	W	W	W	12.55	21.46	W	W
Oklahoma	14.13	22.37	-37.0%	14.13	22.37	--	--
Texas	W	W	W	13.59	21.74	W	W
Mountain	W	W	W	15.17	23.73	W	W
Arizona	13.98	23.49	-40.0%	13.98	23.49	--	--
Colorado	15.01	23.43	-36.0%	15.01	23.43	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	17.05	24.09	W	W
New Mexico	15.94	24.53	-35.0%	15.94	24.53	--	--
Utah	14.92	W	W	14.92	22.56	--	W
Wyoming	15.23	23.14	-34.0%	15.23	23.14	--	--
Pacific Contiguous	W	W	W	16.49	22.68	W	W
California	--	--	--	--	--	--	--
Oregon	16.49	22.68	-27.0%	16.49	22.68	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	11.70	21.07	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	11.70	21.07	W	W
U.S. Total	12.30	21.45	-43.0%	12.09	21.38	12.68	21.55

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

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, September 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.21	1.17	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.96	0.85	13.0%	0.96	0.85	--	--
Michigan	1.62	1.50	8.0%	1.62	1.50	--	--
Ohio	W	W	W	--	--	W	W
Wisconsin	1.71	1.80	-5.0%	1.71	1.80	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	1.98	2.12	-6.6%	1.98	2.12	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	1.98	2.12	-6.6%	1.98	2.12	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.65	1.79	-7.8%	1.65	1.79	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.65	1.79	-7.8%	1.65	1.79	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.80	2.05	-12.0%	1.80	2.05	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.80	2.05	-12.0%	1.80	2.05	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	1.72	1.81	W	W

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

Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) September 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.32	1.21	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.95	0.96	-1.0%	0.95	0.96	--	--
Michigan	W	W	W	1.77	1.45	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.66	1.86	-11.0%	1.66	1.86	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.26	2.42	-6.6%	2.26	2.42	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.26	2.42	-6.6%	2.26	2.42	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.72	1.76	-2.3%	1.72	1.76	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.72	1.76	-2.3%	1.72	1.76	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.89	2.06	-8.3%	1.89	2.06	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.89	2.06	-8.3%	1.89	2.06	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.91	1.98	-3.5%	1.85	1.93	2.43	2.48

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, September 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2015	September 2014	Percentage Change	September 2015	September 2014	September 2015	September 2014
New England	W	W	W	3.45	4.36	W	W
Connecticut	3.00	W	W	--	--	3.00	W
Maine	W	W	W	--	--	W	W
Massachusetts	4.03	3.67	9.8%	3.44	4.18	4.04	3.66
New Hampshire	W	W	W	5.42	6.04	W	W
Rhode Island	2.71	3.44	-21.0%	--	--	2.71	3.44
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.16	2.81	-23.0%	2.26	3.00	2.15	2.79
New Jersey	2.01	2.80	-28.0%	--	--	2.01	2.80
New York	2.44	3.20	-24.0%	2.26	3.00	2.49	3.26
Pennsylvania	1.92	2.36	-19.0%	--	--	1.92	2.36
East North Central	2.77	3.89	-29.0%	2.93	4.12	2.65	3.77
Illinois	3.05	W	W	3.29	5.40	3.02	W
Indiana	W	W	W	2.93	4.34	W	W
Michigan	3.24	4.60	-30.0%	3.43	4.58	3.17	4.60
Ohio	2.13	3.23	-34.0%	2.19	3.11	2.10	3.26
Wisconsin	W	W	W	3.17	4.71	W	W
West North Central	W	W	W	3.17	4.89	W	W
Iowa	2.82	4.09	-31.0%	2.82	4.09	--	--
Kansas	3.51	4.91	-29.0%	3.51	4.91	--	--
Minnesota	W	W	W	3.26	6.26	W	W
Missouri	W	W	W	3.25	4.80	W	W
Nebraska	3.15	4.77	-34.0%	3.15	4.77	--	--
North Dakota	3.10	3.55	-13.0%	3.10	3.55	--	--
South Dakota	3.12	4.80	-35.0%	3.12	4.80	--	--
South Atlantic	3.83	4.88	-22.0%	3.99	5.01	2.76	3.95
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.37	W	W	4.40	5.22	2.85	W
Georgia	3.20	4.44	-28.0%	3.24	4.46	3.14	4.38
Maryland	3.05	4.25	-28.0%	--	--	3.05	4.25
North Carolina	W	W	W	3.94	5.14	W	W
South Carolina	W	W	W	3.46	4.59	W	W
Virginia	W	W	W	2.58	4.04	W	W
West Virginia	W	W	W	2.68	3.82	W	W
East South Central	2.88	4.21	-32.0%	2.88	4.21	2.89	4.21
Alabama	2.98	W	W	3.08	4.22	2.94	W
Kentucky	W	6.61	W	3.37	6.61	W	--
Mississippi	W	W	W	2.82	4.13	W	W
Tennessee	2.60	4.05	-36.0%	2.60	4.05	--	--
West South Central	2.82	4.13	-32.0%	2.89	4.26	2.76	4.04
Arkansas	W	W	W	2.97	6.59	W	W
Louisiana	W	W	W	2.88	4.16	W	W
Oklahoma	W	W	W	3.05	4.49	W	W
Texas	2.78	4.08	-32.0%	2.83	4.22	2.76	4.04
Mountain	3.17	4.62	-31.0%	3.17	4.67	3.16	4.36
Arizona	W	4.74	W	3.36	4.95	W	4.30
Colorado	W	W	W	3.07	4.64	W	W
Idaho	3.01	4.46	-33.0%	3.01	4.46	--	--
Montana	--	W	W	--	5.59	--	W
Nevada	3.16	4.64	-32.0%	3.16	4.64	--	--
New Mexico	3.00	4.44	-32.0%	3.00	4.44	--	--
Utah	W	W	W	2.87	4.24	W	W
Wyoming	4.42	W	W	4.42	4.40	--	W
Pacific Contiguous	3.10	4.50	-31.0%	3.34	4.59	2.90	4.40
California	3.18	4.65	-32.0%	3.52	4.81	2.96	4.53
Oregon	W	W	W	2.69	3.91	W	W
Washington	W	W	W	3.30	4.47	W	W
Pacific Noncontiguous	5.45	5.31	2.6%	5.45	5.31	--	--
Alaska	5.45	5.31	2.6%	5.45	5.31	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.08	4.21	-27.0%	3.40	4.63	2.69	3.72

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

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) September 2015 and 2014
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2015 YTD	September 2014 YTD	Percentage Change	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	4.45	6.86	-35.0%	3.92	5.67	4.45	6.87
Connecticut	4.69	7.22	-35.0%	--	--	4.69	7.22
Maine	W	W	W	--	--	W	W
Massachusetts	4.43	6.75	-34.0%	3.79	5.67	4.44	6.77
New Hampshire	W	W	W	4.70	5.67	W	W
Rhode Island	3.72	6.55	-43.0%	--	--	3.72	6.55
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.20	5.49	-42.0%	3.93	5.68	3.11	5.47
New Jersey	3.21	5.15	-38.0%	--	--	3.21	5.15
New York	3.63	5.64	-36.0%	3.93	5.68	3.53	5.62
Pennsylvania	2.72	5.50	-51.0%	--	--	2.72	5.50
East North Central	2.98	5.50	-46.0%	3.14	5.60	2.87	5.43
Illinois	3.27	W	W	3.81	6.06	3.23	W
Indiana	W	W	W	3.11	5.57	W	W
Michigan	3.37	7.19	-53.0%	3.50	7.33	3.33	7.14
Ohio	2.39	4.34	-45.0%	2.58	4.64	2.32	4.23
Wisconsin	W	W	W	3.35	5.62	W	W
West North Central	W	5.92	W	3.51	5.99	W	5.53
Iowa	3.10	6.70	-54.0%	3.10	6.70	--	--
Kansas	3.71	5.65	-34.0%	3.71	5.65	--	--
Minnesota	W	W	W	3.77	6.22	W	W
Missouri	W	W	W	3.38	5.62	W	W
Nebraska	3.77	5.85	-36.0%	3.77	5.85	--	--
North Dakota	2.94	3.90	-25.0%	2.94	3.90	--	--
South Dakota	3.32	5.22	-36.0%	3.32	5.22	--	--
South Atlantic	4.13	5.57	-26.0%	4.27	5.62	3.09	5.17
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.41	5.52	-20.0%	4.44	5.54	2.99	4.46
Georgia	3.35	5.08	-34.0%	3.36	5.11	3.31	5.00
Maryland	4.26	5.39	-21.0%	--	--	4.26	5.39
North Carolina	W	W	W	4.88	6.25	W	W
South Carolina	W	W	W	3.64	5.03	W	W
Virginia	3.59	6.35	-43.0%	4.05	6.74	2.26	5.64
West Virginia	W	W	W	2.86	6.08	W	W
East South Central	3.07	4.84	-37.0%	3.08	4.84	3.06	4.85
Alabama	3.13	W	W	3.17	4.77	3.12	W
Kentucky	W	W	W	3.87	5.99	W	W
Mississippi	W	W	W	3.01	4.75	W	W
Tennessee	2.84	4.72	-40.0%	2.84	4.72	--	--
West South Central	2.96	4.74	-38.0%	3.07	4.88	2.88	4.64
Arkansas	W	W	W	3.36	7.29	W	W
Louisiana	3.07	W	W	3.09	4.75	2.91	W
Oklahoma	W	5.18	W	3.14	5.20	W	5.08
Texas	2.92	4.65	-37.0%	3.00	4.75	2.89	4.61
Mountain	W	5.20	W	3.37	5.27	W	4.81
Arizona	3.44	5.27	-35.0%	3.57	5.56	3.06	4.65
Colorado	3.72	W	W	3.58	5.40	4.40	W
Idaho	2.96	W	W	2.96	5.30	--	W
Montana	--	W	W	--	6.58	--	W
Nevada	3.29	W	W	3.29	5.26	--	W
New Mexico	3.23	4.95	-35.0%	3.23	4.95	--	--
Utah	W	W	W	3.03	4.77	W	W
Wyoming	5.10	W	W	5.10	5.78	--	W
Pacific Contiguous	3.28	5.14	-36.0%	3.52	5.25	3.06	5.04
California	3.41	5.25	-35.0%	3.74	5.47	3.15	5.08
Oregon	W	W	W	2.84	4.41	W	W
Washington	W	W	W	3.35	5.04	W	W
Pacific Noncontiguous	5.36	5.06	5.9%	5.36	5.06	--	--
Alaska	5.36	5.06	5.9%	5.36	5.06	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.42	5.27	-35.0%	3.67	5.33	3.11	5.20

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

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, September 2015

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	118	1.29	8.4	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	0.73	8.1	0	--	--	0	--	--
Massachusetts	68	0.52	8.3	0	--	--	0	--	--
New Hampshire	45	2.33	8.6	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,099	3.24	11.3	9	0.34	4.8	0	--	--
New Jersey	16	0.79	7.3	0	--	--	0	--	--
New York	45	2.12	8.2	9	0.34	4.8	0	--	--
Pennsylvania	2,038	3.29	11.4	0	--	--	0	--	--
East North Central	6,765	3.17	10.2	8,740	0.26	5.0	0	--	--
Illinois	888	3.55	20.2	3,862	0.21	4.8	0	--	--
Indiana	2,654	2.95	8.9	150	0.29	5.0	0	--	--
Michigan	67	1.18	7.5	2,691	0.32	5.0	0	--	--
Ohio	3,037	3.35	9.2	0	--	--	0	--	--
Wisconsin	118	2.47	8.1	2,038	0.26	5.3	0	--	--
West North Central	130	3.45	8.7	9,685	0.28	5.3	1,846	0.77	9.9
Iowa	39	3.39	8.1	1,848	0.26	5.0	0	--	--
Kansas	18	3.72	14.2	1,714	0.30	5.2	0	--	--
Minnesota	0	--	--	1,186	0.39	6.2	0	--	--
Missouri	73	3.41	7.6	3,361	0.23	5.0	0	--	--
Nebraska	0	--	--	1,373	0.30	5.5	0	--	--
North Dakota	0	--	--	49	0.37	4.6	1,846	0.77	9.9
South Dakota	0	--	--	154	0.34	5.2	0	--	--
South Atlantic	9,355	2.20	10.6	1,009	0.33	5.1	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,630	2.32	8.4	0	--	--	0	--	--
Georgia	896	2.10	9.5	964	0.34	5.1	0	--	--
Maryland	484	2.27	9.9	46	0.20	4.8	0	--	--
North Carolina	1,837	1.67	10.3	0	--	--	0	--	--
South Carolina	1,045	1.66	9.2	0	--	--	0	--	--
Virginia	733	1.09	16.1	0	--	--	0	--	--
West Virginia	2,729	2.98	11.8	0	--	--	0	--	--
East South Central	4,363	2.49	9.3	2,054	0.28	5.3	310	0.46	14.3
Alabama	881	1.51	10.0	910	0.25	5.4	0	--	--
Kentucky	2,564	3.02	9.6	728	0.31	5.3	0	--	--
Mississippi	166	0.72	6.2	69	0.31	5.4	310	0.46	14.3
Tennessee	751	2.22	8.5	347	0.27	5.2	0	--	--
West South Central	52	1.71	23.9	9,205	0.29	5.2	4,201	0.94	16.3
Arkansas	5	0.72	9.2	1,463	0.27	5.2	0	--	--
Louisiana	3	3.51	9.6	586	0.30	5.0	357	0.59	16.5
Oklahoma	44	1.71	27.1	1,432	0.26	4.9	0	--	--
Texas	0	--	--	5,724	0.30	5.3	3,845	0.97	16.3
Mountain	2,637	0.57	13.7	5,918	0.52	9.2	0	--	--
Arizona	527	0.53	10.7	1,198	0.66	10.0	0	--	--
Colorado	205	0.48	9.8	1,191	0.31	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	834	0.66	10.7	0	--	--
Nevada	85	0.53	9.5	45	0.29	5.5	0	--	--
New Mexico	523	0.76	25.3	446	0.74	22.0	0	--	--
Utah	1,298	0.54	11.9	0	--	--	0	--	--
Wyoming	0	--	--	2,204	0.46	7.6	0	--	--
Pacific Contiguous	65	0.50	9.9	589	0.38	7.7	0	--	--
California	65	0.50	9.9	0	--	--	0	--	--
Oregon	0	--	--	194	0.24	4.5	0	--	--
Washington	0	--	--	394	0.46	9.3	0	--	--
Pacific Noncontiguous	61	1.29	4.7	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	61	1.29	4.7	0	--	--	0	--	--
U.S. Total	25,644	2.43	10.6	37,209	0.32	5.8	6,357	0.87	14.3

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, September 2015

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	45	2.33	8.6	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	45	2.33	8.6	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	4,092	3.06	8.9	5,682	0.28	5.1	0	--	--
Illinois	216	3.15	12.4	820	0.21	4.9	0	--	--
Indiana	2,396	2.90	8.8	150	0.29	5.0	0	--	--
Michigan	53	1.09	7.3	2,691	0.32	5.0	0	--	--
Ohio	1,333	3.42	8.8	0	--	--	0	--	--
Wisconsin	94	2.73	7.9	2,021	0.26	5.3	0	--	--
West North Central	89	3.48	9.0	9,636	0.28	5.3	1,846	0.77	9.9
Iowa	0	--	--	1,799	0.26	5.0	0	--	--
Kansas	18	3.72	14.2	1,714	0.30	5.2	0	--	--
Minnesota	0	--	--	1,186	0.39	6.2	0	--	--
Missouri	71	3.42	7.6	3,361	0.23	5.0	0	--	--
Nebraska	0	--	--	1,373	0.30	5.5	0	--	--
North Dakota	0	--	--	49	0.37	4.6	1,846	0.77	9.9
South Dakota	0	--	--	154	0.34	5.2	0	--	--
South Atlantic	8,212	2.13	10.6	964	0.34	5.1	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,593	2.35	8.4	0	--	--	0	--	--
Georgia	875	2.11	9.4	964	0.34	5.1	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,837	1.67	10.3	0	--	--	0	--	--
South Carolina	1,036	1.67	9.2	0	--	--	0	--	--
Virginia	650	1.08	17.3	0	--	--	0	--	--
West Virginia	2,221	2.84	11.5	0	--	--	0	--	--
East South Central	4,251	2.53	9.4	2,054	0.28	5.3	0	--	--
Alabama	881	1.51	10.0	910	0.25	5.4	0	--	--
Kentucky	2,564	3.02	9.6	728	0.31	5.3	0	--	--
Mississippi	166	0.72	6.2	69	0.31	5.4	0	--	--
Tennessee	640	2.48	8.7	347	0.27	5.2	0	--	--
West South Central	3	3.51	9.6	5,819	0.26	5.2	1,027	0.98	18.4
Arkansas	0	--	--	1,282	0.28	5.2	0	--	--
Louisiana	3	3.51	9.6	159	0.25	5.0	357	0.59	16.5
Oklahoma	0	--	--	1,348	0.26	4.9	0	--	--
Texas	0	--	--	3,030	0.26	5.3	670	1.21	19.6
Mountain	2,588	0.57	13.8	5,039	0.50	8.9	0	--	--
Arizona	527	0.53	10.7	1,198	0.66	10.0	0	--	--
Colorado	205	0.48	9.8	1,191	0.31	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	85	0.53	9.5	0	--	--	0	--	--
New Mexico	523	0.76	25.3	446	0.74	22.0	0	--	--
Utah	1,249	0.55	12.1	0	--	--	0	--	--
Wyoming	0	--	--	2,204	0.46	7.6	0	--	--
Pacific Contiguous	0	--	--	194	0.24	4.5	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	194	0.24	4.5	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	19,279	2.23	10.3	29,388	0.32	5.8	2,872	0.84	12.8

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, September 2015

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	72	0.53	8.3	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	4	0.73	8.1	0	--	--	0	--	--
Massachusetts	68	0.52	8.3	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,064	3.27	11.3	9	0.34	4.8	0	--	--
New Jersey	16	0.79	7.3	0	--	--	0	--	--
New York	22	2.96	8.8	9	0.34	4.8	0	--	--
Pennsylvania	2,027	3.30	11.4	0	--	--	0	--	--
East North Central	2,538	3.37	12.4	2,977	0.21	4.8	0	--	--
Illinois	581	3.73	26.1	2,977	0.21	4.8	0	--	--
Indiana	258	3.39	10.4	0	--	--	0	--	--
Michigan	14	1.56	8.1	0	--	--	0	--	--
Ohio	1,686	3.30	9.5	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	1,029	2.84	11.1	46	0.20	4.8	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	37	1.01	10.8	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	459	2.29	9.4	46	0.20	4.8	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	55	0.82	8.8	0	--	--	0	--	--
West Virginia	478	3.81	13.1	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	310	0.46	14.3
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	310	0.46	14.3
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	44	1.71	27.1	3,386	0.33	5.2	3,175	0.93	15.7
Arkansas	0	--	--	181	0.25	5.3	0	--	--
Louisiana	0	--	--	427	0.32	5.1	0	--	--
Oklahoma	44	1.71	27.1	84	0.25	4.8	0	--	--
Texas	0	--	--	2,694	0.34	5.2	3,175	0.93	15.7
Mountain	0	--	--	879	0.64	10.4	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	834	0.66	10.7	0	--	--
Nevada	0	--	--	45	0.29	5.5	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	394	0.46	9.3	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	394	0.46	9.3	0	--	--
Pacific Noncontiguous	61	1.29	4.7	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	61	1.29	4.7	0	--	--	0	--	--
U.S. Total	5,808	3.18	11.7	7,690	0.32	5.8	3,485	0.89	15.6

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

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, September 2015

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	0	--	--	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	2	3.01	8.6	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	2	3.01	8.6	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	2	3.01	8.6	0	--	--	0	--	--

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

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Sector by State, September 2015

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	1	0.73	8.1	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	0.73	8.1	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	34	1.50	9.2	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	23	1.33	7.7	0	--	--	0	--	--
Pennsylvania	11	1.87	12.5	0	--	--	0	--	--
East North Central	135	2.97	8.5	82	0.39	5.5	0	--	--
Illinois	91	3.50	8.0	65	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	1	0.86	9.8	0	--	--	0	--	--
Ohio	18	2.71	10.0	0	--	--	0	--	--
Wisconsin	25	1.30	8.9	16	0.29	5.7	0	--	--
West North Central	39	3.39	8.1	49	0.22	4.4	0	--	--
Iowa	39	3.39	8.1	49	0.22	4.4	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	114	1.42	12.6	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	21	1.59	12.7	0	--	--	0	--	--
Maryland	25	1.83	22.2	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	9	0.60	7.3	0	--	--	0	--	--
Virginia	28	1.86	7.7	0	--	--	0	--	--
West Virginia	31	0.85	12.1	0	--	--	0	--	--
East South Central	112	0.87	7.7	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	112	0.87	7.7	0	--	--	0	--	--
West South Central	5	0.72	9.2	0	--	--	0	--	--
Arkansas	5	0.72	9.2	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	49	0.31	8.7	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	49	0.31	8.7	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	65	0.50	9.9	0	--	--	0	--	--
California	65	0.50	9.9	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	555	1.58	9.4	131	0.32	5.1	0	--	--

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
W = Withheld to avoid disclosure of individual company data.

Notes:
Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.
See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
See Glossary for definitions. Values for 2015 are preliminary. Values for 2014 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 5.1. Sales of Electricity to Ultimate Customers:

Total by End-Use Sector, 2005 - September 2015 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,380,662	1,336,133	1,009,516	7,653	3,733,965
2009	1,364,758	1,306,853	917,416	7,768	3,596,795
2010	1,445,708	1,330,199	971,221	7,712	3,754,841
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,515	1,327,101	985,714	7,320	3,694,650
2013	1,394,812	1,337,079	985,352	7,625	3,724,868
2014	1,407,208	1,352,158	997,576	7,758	3,764,700
Year 2013					
January	131,785	107,729	80,505	664	320,683
February	113,114	101,016	76,692	659	291,480
March	112,097	104,011	80,474	644	297,226
April	95,541	101,395	80,216	630	277,782
May	95,192	108,683	84,897	627	289,398
June	117,982	117,410	84,170	638	320,201
July	143,855	127,311	86,887	649	358,701
August	138,065	127,063	87,806	645	353,580
Sept	121,419	118,408	83,025	626	323,478
October	98,893	111,907	82,980	591	294,370
November	97,904	103,384	79,632	574	281,494
December	128,966	108,762	78,067	679	316,475
Year 2014					
January	146,511	113,866	80,149	712	341,238
February	128,475	104,353	75,413	700	308,941
March	114,233	106,968	80,539	648	302,388
April	92,290	102,459	80,505	640	275,894
May	95,727	109,666	85,383	646	291,421
June	118,049	118,423	85,711	609	322,792
July	137,028	125,434	88,417	645	351,524
August	135,830	125,603	89,808	642	351,883
Sept	120,741	120,049	85,489	628	326,907
October	98,038	113,023	84,994	625	296,680
November	99,486	104,245	81,044	637	285,413
December	120,801	108,070	80,123	626	309,620
Year 2015					
January	137,528	110,807	77,086	670	326,091
February	123,774	105,391	74,395	702	304,262
March	116,862	107,645	77,204	682	302,392
April	89,923	103,857	77,891	623	272,294
May	94,860	109,012	80,603	611	285,086
June	119,922	118,956	83,565	612	323,054
July	145,413	128,289	85,205	650	359,557
August	144,085	128,233	85,704	627	358,649
Sept	124,992	121,934	82,141	617	329,684
Year to Date					
2013	1,069,049	1,013,025	744,673	5,781	2,832,529
2014	1,088,884	1,026,819	751,415	5,869	2,872,988
2015	1,097,359	1,034,122	723,793	5,794	2,861,068
Rolling 12 Months Ending in September					
2014	1,414,647	1,350,873	992,094	7,713	3,765,327
2015	1,415,683	1,359,461	969,954	7,683	3,752,780

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2014 and prior years are final. Values for 2015 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. 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 sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.2. Revenue from Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2005 - September 2015 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	155,496	137,036	70,231	820	363,583
2009	157,044	132,747	62,670	828	353,289
2010	166,778	135,554	65,772	814	368,918
2011	166,714	135,927	67,606	803	371,049
2012	163,280	133,898	65,761	747	363,687
2013	169,131	137,188	67,934	805	375,058
2014	176,178	145,253	70,855	810	393,096
Year 2013					
January	15,100	10,527	5,233	70	30,929
February	13,153	10,158	5,105	70	28,485
March	13,016	10,421	5,345	66	28,849
April	11,397	10,099	5,279	65	26,839
May	11,805	11,112	5,732	66	28,715
June	14,793	12,501	6,102	69	33,465
July	18,193	13,624	6,473	71	38,361
August	17,294	13,581	6,474	69	37,418
Sept	15,192	12,468	5,998	68	33,727
October	12,225	11,504	5,700	62	29,492
November	11,843	10,365	5,294	60	27,563
December	15,120	10,829	5,197	69	31,215
Year 2014					
January	17,075	11,790	5,596	78	34,539
February	15,338	11,142	5,370	73	31,922
March	13,996	11,390	5,632	68	31,087
April	11,365	10,715	5,451	65	27,596
May	12,300	11,555	5,833	65	29,753
June	15,337	12,974	6,335	65	34,710
July	17,943	14,014	6,742	69	38,767
August	17,708	13,876	6,748	64	38,396
Sept	15,639	13,399	6,299	69	35,406
October	12,352	12,239	6,007	64	30,663
November	12,417	10,967	5,470	65	28,920
December	14,707	11,192	5,372	66	31,336
Year 2015					
January	16,631	11,376	5,114	71	33,193
February	15,202	11,166	5,135	75	31,578
March	14,433	11,380	5,259	69	31,141
April	11,363	10,716	5,139	61	27,279
May	12,285	11,354	5,405	60	29,105
June	15,507	12,859	5,930	63	34,360
July	18,884	14,137	6,339	68	39,428
August	18,633	13,976	6,277	64	38,949
Sept	16,330	13,336	5,898	64	35,627
Year to Date					
2013	129,942	104,491	51,742	614	286,788
2014	136,702	110,855	54,005	616	302,177
2015	139,267	110,301	50,496	595	300,660
Rolling 12 Months Ending in September					
2014	175,890	143,552	70,197	807	390,447
2015	178,744	144,699	67,346	790	391,579

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2014 and prior years are final. Values for 2015 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. 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 sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.3. Average Price of Electricity to Ultimate Customers:

Total by End-Use Sector, 2005 - September 2015 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	10.26	6.96	10.71	9.74
2009	11.51	10.16	6.83	10.66	9.82
2010	11.54	10.19	6.77	10.56	9.83
2011	11.72	10.24	6.82	10.46	9.90
2012	11.88	10.09	6.67	10.21	9.84
2013	12.13	10.26	6.89	10.55	10.07
2014	12.52	10.74	7.10	10.45	10.44
Year 2013					
January	11.46	9.77	6.50	10.53	9.64
February	11.63	10.06	6.66	10.56	9.77
March	11.61	10.02	6.64	10.25	9.71
April	11.93	9.96	6.58	10.28	9.66
May	12.40	10.22	6.75	10.50	9.92
June	12.54	10.65	7.25	10.76	10.45
July	12.65	10.70	7.45	10.97	10.69
August	12.53	10.69	7.37	10.77	10.58
Sept	12.51	10.53	7.22	10.88	10.43
October	12.36	10.28	6.87	10.46	10.02
November	12.10	10.03	6.65	10.49	9.79
December	11.72	9.96	6.66	10.20	9.86
Year 2014					
January	11.65	10.35	6.98	10.93	10.12
February	11.94	10.68	7.12	10.41	10.33
March	12.25	10.65	6.99	10.43	10.28
April	12.31	10.46	6.77	10.23	10.00
May	12.85	10.54	6.83	10.06	10.21
June	12.99	10.96	7.39	10.60	10.75
July	13.09	11.17	7.62	10.68	11.03
August	13.04	11.05	7.51	10.02	10.91
Sept	12.95	11.16	7.37	11.02	10.83
October	12.60	10.83	7.07	10.27	10.34
November	12.48	10.52	6.75	10.20	10.13
December	12.17	10.36	6.70	10.48	10.12
Year 2015					
January	12.09	10.27	6.63	10.59	10.18
February	12.28	10.59	6.90	10.70	10.38
March	12.35	10.57	6.81	10.17	10.30
April	12.64	10.32	6.60	9.81	10.02
May	12.95	10.42	6.71	9.87	10.21
June	12.93	10.81	7.10	10.25	10.64
July	12.99	11.02	7.44	10.45	10.97
August	12.93	10.90	7.32	10.20	10.86
Sept	13.06	10.94	7.18	10.32	10.81
Year to Date					
2013	12.15	10.31	6.95	10.61	10.12
2014	12.55	10.80	7.19	10.49	10.52
2015	12.69	10.67	6.98	10.27	10.51
Rolling 12 Months Ending in September					
2014	12.43	10.63	7.08	10.46	10.37
2015	12.63	10.64	6.94	10.28	10.43

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2014 and prior years are final. Values for 2015 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. 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 sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.4.A. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, September 2015 and 2014 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	4,233	3,876	4,756	4,661	1,545	1,595	48	40	10,582	10,172
Connecticut	1,182	1,047	1,205	1,136	299	311	19	12	2,704	2,506
Maine	367	342	347	337	275	282	0	0	989	961
Massachusetts	1,839	1,696	2,309	2,304	612	634	27	27	4,787	4,659
New Hampshire	405	368	410	390	181	178	0	0	996	937
Rhode Island	277	267	308	318	61	68	2	2	648	655
Vermont	163	156	176	176	118	122	0	0	457	454
Middle Atlantic	12,136	10,623	14,330	13,680	6,170	6,272	310	331	32,946	30,906
New Jersey	2,702	2,321	3,402	3,131	548	623	21	24	6,673	6,099
New York	4,935	4,332	7,123	6,884	1,546	1,603	230	229	13,833	13,048
Pennsylvania	4,499	3,971	3,806	3,666	4,076	4,046	59	77	12,440	11,760
East North Central	15,135	13,623	15,989	15,225	15,970	16,778	47	43	47,140	45,668
Illinois	3,799	3,306	4,380	4,180	3,658	3,645	42	39	11,879	11,169
Indiana	2,581	2,478	2,138	2,080	3,758	4,133	2	2	8,478	8,692
Michigan	2,841	2,490	3,318	3,135	2,500	2,676	0	0	8,659	8,301
Ohio	4,149	3,808	4,089	3,882	3,990	4,285	3	2	12,231	11,977
Wisconsin	1,766	1,541	2,063	1,948	2,064	2,039	0	0	5,893	5,528
West North Central	8,321	7,793	9,014	8,386	7,324	7,992	3	3	24,663	24,175
Iowa	1,148	991	1,081	916	1,679	1,784	0	0	3,909	3,691
Kansas	1,288	1,187	1,433	1,393	961	981	0	0	3,683	3,561
Minnesota	1,688	1,595	2,008	1,878	1,686	1,985	2	2	5,383	5,460
Missouri	2,816	2,671	2,773	2,622	1,306	1,451	2	1	6,897	6,746
Nebraska	748	728	848	792	923	891	0	0	2,519	2,410
North Dakota	295	304	460	402	532	646	0	0	1,287	1,351
South Dakota	337	318	411	384	237	254	0	0	985	956
South Atlantic	30,735	30,824	27,409	26,866	12,091	12,055	108	112	70,342	69,857
Delaware	397	359	373	336	178	235	0	0	948	931
District of Columbia	225	163	713	709	18	18	25	29	981	919
Florida	11,774	11,585	8,654	8,460	1,440	1,395	8	8	21,877	21,448
Georgia	4,888	5,130	4,144	4,178	2,708	2,731	15	15	11,755	12,054
Maryland	2,032	2,017	2,474	2,439	379	320	43	42	4,927	4,818
North Carolina	4,733	4,820	4,360	4,200	2,338	2,266	1	1	11,431	11,286
South Carolina	2,520	2,662	1,931	1,914	2,473	2,495	0	0	6,924	7,071
Virginia	3,427	3,356	4,119	3,997	1,471	1,535	16	18	9,033	8,906
West Virginia	740	733	641	632	1,086	1,059	0	0	2,467	2,424
East South Central	10,317	10,721	8,160	8,337	8,680	9,183	0	0	27,157	28,242
Alabama	2,737	2,967	2,039	2,136	2,872	2,985	0	0	7,648	8,088
Kentucky	2,124	2,062	1,667	1,659	2,520	2,685	0	0	6,311	6,407
Mississippi	1,842	1,894	1,347	1,393	1,416	1,410	0	0	4,604	4,697
Tennessee	3,615	3,798	3,107	3,149	1,872	2,103	0	0	8,594	9,050
West South Central	21,740	21,616	18,584	18,981	14,684	15,393	17	17	55,025	56,006
Arkansas	1,663	1,792	1,155	1,179	1,424	1,513	0	0	4,243	4,483
Louisiana	3,095	3,146	2,364	2,315	2,919	3,045	1	1	8,380	8,507
Oklahoma	2,187	2,030	1,935	1,715	1,405	1,547	0	0	5,527	5,292
Texas	14,795	14,648	13,129	13,772	8,934	9,289	16	16	36,875	37,724
Mountain	8,990	8,601	8,445	8,424	7,308	7,341	11	11	24,754	24,376
Arizona	3,539	3,434	2,773	2,783	1,303	1,332	1	0	7,615	7,549
Colorado	1,611	1,517	1,802	1,763	1,380	1,314	5	5	4,799	4,598
Idaho	520	517	504	499	800	765	0	0	1,824	1,782
Montana	330	329	394	412	367	361	0	0	1,091	1,102
Nevada	1,386	1,262	850	883	1,221	1,250	1	1	3,457	3,396
New Mexico	629	581	806	800	650	641	0	0	2,086	2,022
Utah	793	779	1,001	963	725	845	5	5	2,524	2,591
Wyoming	182	182	316	321	862	833	0	0	1,359	1,337
Pacific Contiguous	12,982	12,697	14,737	14,981	7,935	8,438	73	71	35,726	36,186
California	9,478	9,202	11,006	11,221	4,785	5,043	71	69	25,340	25,535
Oregon	1,215	1,274	1,290	1,327	1,040	1,084	2	2	3,547	3,686
Washington	2,289	2,221	2,441	2,433	2,109	2,311	1	0	6,840	6,965
Pacific Noncontiguous	403	367	510	509	435	442	0	0	1,348	1,319
Alaska	148	146	225	225	110	113	0	0	483	484
Hawaii	255	221	285	284	326	329	0	0	865	834
U.S. Total	124,992	120,741	121,934	120,049	82,141	85,489	617	628	329,684	326,907

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values for 2014 are final. Values for 2015 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.4.B. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through September 2015 and 2014 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	37,086	36,386	40,585	40,268	13,701	14,303	445	426	91,817	91,382
Connecticut	10,220	9,892	10,007	9,824	2,544	2,656	153	130	22,924	22,503
Maine	3,506	3,508	2,996	3,005	2,474	2,484	0	0	8,976	8,998
Massachusetts	15,788	15,536	19,767	19,816	5,533	5,928	271	275	41,359	41,554
New Hampshire	3,530	3,480	3,456	3,390	1,487	1,488	0	0	8,473	8,359
Rhode Island	2,442	2,369	2,821	2,700	605	685	21	21	5,890	5,776
Vermont	1,600	1,599	1,538	1,532	1,057	1,062	0	0	4,195	4,193
Middle Atlantic	106,267	102,355	121,738	120,273	54,405	55,756	2,925	3,006	285,334	281,390
New Jersey	23,433	21,876	29,621	29,097	5,373	5,708	228	236	58,655	56,918
New York	39,745	38,680	58,616	58,228	13,194	13,582	2,117	2,137	113,672	112,627
Pennsylvania	43,088	41,800	33,501	32,947	35,838	36,466	580	633	113,007	111,845
East North Central	142,909	143,702	140,382	138,748	143,374	150,996	451	498	427,117	433,944
Illinois	35,013	35,389	38,518	38,396	32,038	33,490	401	447	105,970	107,722
Indiana	25,431	25,882	18,548	18,338	34,086	36,951	16	15	78,081	81,186
Michigan	25,682	25,511	29,380	28,381	22,625	24,381	3	3	77,690	78,277
Ohio	40,664	40,384	36,038	35,675	36,643	38,209	31	32	113,377	114,300
Wisconsin	16,120	16,537	17,898	17,958	17,981	17,964	0	0	51,999	52,459
West North Central	78,808	82,137	77,881	76,303	66,314	70,138	34	34	223,037	228,612
Iowa	10,544	11,048	9,108	9,301	15,847	15,269	0	0	35,499	35,619
Kansas	10,682	10,798	11,961	11,779	8,226	8,703	0	0	30,868	31,280
Minnesota	16,298	17,309	17,753	17,238	15,457	17,201	18	17	49,527	51,764
Missouri	26,972	27,734	23,721	23,413	11,895	13,131	16	17	62,603	64,294
Nebraska	7,304	7,676	7,197	7,174	7,871	8,170	0	0	22,372	23,019
North Dakota	3,562	3,923	4,509	3,957	5,004	5,442	0	0	13,075	13,322
South Dakota	3,446	3,649	3,632	3,442	2,015	2,222	0	0	9,093	9,314
South Atlantic	282,486	276,188	237,077	233,793	107,977	106,478	1,031	1,023	628,570	617,482
Delaware	3,899	3,653	3,226	3,204	1,763	1,835	0	0	8,888	8,692
District of Columbia	2,018	1,629	6,388	6,510	212	173	261	250	8,879	8,562
Florida	93,554	90,693	71,555	70,713	12,691	12,489	72	72	177,872	173,967
Georgia	45,295	44,656	36,144	35,658	24,193	24,028	130	124	105,762	104,466
Maryland	21,992	21,294	22,887	22,722	2,902	2,900	411	418	48,192	47,334
North Carolina	46,057	45,541	36,889	36,222	20,696	20,318	7	7	103,648	102,088
South Carolina	24,185	24,037	16,830	16,671	22,269	22,029	0	0	63,284	62,737
Virginia	36,500	35,651	37,164	36,125	13,328	13,253	149	152	87,141	85,181
West Virginia	8,985	9,035	5,995	5,968	9,924	9,453	0	0	24,904	24,455
East South Central	95,525	95,190	68,565	68,778	77,858	80,655	0	1	241,948	244,624
Alabama	25,681	25,738	17,470	17,636	26,008	26,067	0	0	69,159	69,441
Kentucky	21,115	21,229	14,468	14,664	22,808	24,135	0	0	58,391	60,028
Mississippi	14,973	14,835	10,626	10,789	12,288	12,285	0	0	37,887	37,909
Tennessee	33,755	33,387	26,001	25,689	16,754	18,168	0	1	76,511	77,245
West South Central	171,872	168,257	150,266	149,477	124,630	134,185	142	137	446,911	452,057
Arkansas	14,653	14,435	9,296	9,092	12,088	12,492	0	0	36,037	36,020
Louisiana	24,978	24,630	19,058	18,597	24,264	25,916	9	8	68,309	69,151
Oklahoma	18,368	18,288	15,442	15,538	12,734	13,311	0	0	46,543	47,138
Texas	113,873	110,904	106,471	106,249	75,544	82,466	133	128	296,021	299,747
Mountain	73,602	73,001	71,536	71,286	64,048	64,280	101	101	209,286	208,667
Arizona	26,289	25,830	22,552	22,440	10,949	11,033	5	0	59,795	59,303
Colorado	13,981	13,720	15,157	15,093	11,616	11,362	48	47	40,802	40,223
Idaho	5,870	6,013	4,646	4,598	7,144	7,311	0	0	17,660	17,922
Montana	3,567	3,710	3,706	3,682	3,260	3,177	0	0	10,533	10,568
Nevada	9,896	9,745	7,298	7,265	10,605	10,408	6	6	27,806	27,425
New Mexico	5,148	5,105	6,754	6,833	5,569	5,648	0	0	17,471	17,586
Utah	6,872	6,835	8,465	8,372	7,216	7,619	42	47	22,595	22,873
Wyoming	1,980	2,042	2,957	3,005	7,687	7,721	0	0	12,624	12,768
Pacific Contiguous	105,370	108,261	121,646	123,453	67,758	70,840	665	645	295,438	303,199
California	66,806	68,026	87,294	89,585	39,022	40,160	643	623	193,765	198,395
Oregon	13,435	13,787	12,063	12,030	9,285	9,581	18	18	34,801	35,415
Washington	25,128	26,448	22,289	21,838	19,451	21,099	4	4	66,872	69,388
Pacific Noncontiguous	3,435	3,407	4,446	4,441	3,729	3,783	0	0	11,610	11,631
Alaska	1,478	1,483	2,079	2,047	989	1,026	0	0	4,546	4,556
Hawaii	1,957	1,924	2,367	2,394	2,740	2,758	0	0	7,064	7,075
U.S. Total	1,097,359	1,088,884	1,034,122	1,026,819	723,793	751,415	5,794	5,869	2,861,068	2,872,988

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values for 2014 are final. Values for 2015 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.5.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, September 2015 and 2014 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	789	683	715	670	186	181	5	4	1,694	1,538
Connecticut	227	208	182	173	38	39	2	1	450	421
Maine	57	54	44	40	24	21	0	0	125	115
Massachusetts	346	284	360	334	82	81	2	2	790	701
New Hampshire	70	64	58	53	23	20	0	0	151	137
Rhode Island	60	46	45	44	8	8	0	0	113	99
Vermont	28	28	26	26	12	12	0	0	66	65
Middle Atlantic	1,986	1,744	1,962	1,918	454	454	38	43	4,440	4,159
New Jersey	432	368	454	413	61	67	2	2	949	850
New York	910	841	1,146	1,158	100	104	31	34	2,187	2,137
Pennsylvania	644	535	362	347	293	283	5	6	1,303	1,171
East North Central	1,972	1,754	1,589	1,488	1,108	1,212	3	3	4,672	4,457
Illinois	482	398	400	345	235	272	3	3	1,119	1,019
Indiana	294	294	201	207	249	293	0	0	744	794
Michigan	414	369	346	341	177	201	0	0	936	910
Ohio	521	472	407	376	280	287	0	0	1,208	1,134
Wisconsin	262	222	236	219	167	159	0	0	665	600
West North Central	1,003	920	856	803	525	567	0	0	2,385	2,290
Iowa	141	120	101	84	112	118	0	0	353	322
Kansas	158	147	142	144	70	78	0	0	370	369
Minnesota	217	202	198	189	123	135	0	0	538	526
Missouri	323	294	255	239	88	101	0	0	666	634
Nebraska	92	88	80	74	69	66	0	0	241	228
North Dakota	33	33	42	38	46	51	0	0	121	122
South Dakota	40	36	37	35	18	18	0	0	95	89
South Atlantic	3,722	3,751	2,603	2,759	800	804	9	10	7,134	7,324
Delaware	54	49	38	35	15	19	0	0	107	103
District of Columbia	28	20	87	109	2	0	2	3	119	133
Florida	1,391	1,415	830	841	121	112	1	1	2,343	2,369
Georgia	592	626	399	425	155	182	1	2	1,147	1,235
Maryland	286	273	267	398	31	20	3	3	588	695
North Carolina	564	557	390	369	156	150	0	0	1,110	1,076
South Carolina	322	338	200	197	152	152	0	0	674	686
Virginia	406	402	335	336	101	108	1	1	843	847
West Virginia	80	70	57	50	67	61	0	0	203	181
East South Central	1,134	1,159	839	848	570	596	0	0	2,543	2,603
Alabama	337	351	224	226	190	190	0	0	751	768
Kentucky	220	210	157	155	146	155	0	0	522	520
Mississippi	204	215	138	148	101	99	0	0	443	462
Tennessee	373	382	320	319	133	151	0	0	826	853
West South Central	2,427	2,482	1,479	1,566	825	959	1	1	4,732	5,007
Arkansas	175	183	99	98	95	97	0	0	370	378
Louisiana	298	309	204	206	163	183	0	0	665	698
Oklahoma	231	228	154	155	81	95	0	0	465	477
Texas	1,723	1,762	1,021	1,107	486	584	1	1	3,232	3,454
Mountain	1,105	1,046	857	849	512	532	1	1	2,475	2,428
Arizona	451	422	306	294	85	89	0	0	843	805
Colorado	200	194	183	188	100	104	1	1	484	486
Idaho	52	52	39	40	56	53	0	0	147	145
Montana	38	36	40	41	19	20	0	0	96	97
Nevada	172	162	79	86	105	112	0	0	355	360
New Mexico	80	74	86	84	40	42	0	0	207	200
Utah	91	86	94	88	51	56	0	1	236	231
Wyoming	21	20	29	29	57	56	0	0	107	105
Pacific Contiguous	2,089	1,988	2,319	2,361	828	875	7	7	5,243	5,231
California	1,742	1,653	2,006	2,054	668	703	7	7	4,422	4,417
Oregon	132	137	114	116	64	67	0	0	311	319
Washington	214	198	200	192	96	105	0	0	510	495
Pacific Noncontiguous	103	112	117	138	89	119	0	0	309	369
Alaska	30	29	41	39	16	18	0	0	87	86
Hawaii	73	83	76	98	73	101	0	0	222	283
U.S. Total	16,330	15,639	13,336	13,399	5,898	6,299	64	69	35,627	35,406

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

Table 5.5.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through September 2015 and 2014 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	7,281	6,428	6,349	5,963	1,680	1,724	49	44	15,359	14,159
Connecticut	2,160	1,943	1,610	1,534	332	346	22	17	4,124	3,839
Maine	550	530	396	383	228	229	0	0	1,174	1,142
Massachusetts	3,170	2,663	3,144	2,937	740	771	23	24	7,076	6,394
New Hampshire	659	602	522	487	189	180	0	0	1,370	1,269
Rhode Island	470	408	454	399	85	89	4	3	1,013	899
Vermont	272	282	222	223	107	110	0	0	601	615
Middle Atlantic	17,113	16,890	16,199	16,678	4,067	4,341	349	373	37,728	38,283
New Jersey	3,762	3,463	3,906	3,918	601	672	24	25	8,292	8,079
New York	7,453	7,843	9,074	9,533	854	912	279	300	17,660	18,587
Pennsylvania	5,898	5,583	3,220	3,227	2,612	2,758	46	49	11,776	11,617
East North Central	18,322	18,082	13,915	13,883	9,895	10,729	33	33	42,164	42,726
Illinois	4,343	4,148	3,438	3,544	2,042	2,300	28	29	9,851	10,021
Indiana	2,827	2,951	1,775	1,817	2,281	2,578	2	2	6,885	7,347
Michigan	3,700	3,702	3,124	3,093	1,638	1,888	0	0	8,462	8,683
Ohio	5,126	5,013	3,590	3,484	2,521	2,601	3	2	11,240	11,101
Wisconsin	2,326	2,267	1,988	1,945	1,413	1,362	0	0	5,726	5,574
West North Central	9,110	9,229	7,293	7,171	4,626	4,820	3	3	21,032	21,223
Iowa	1,274	1,258	846	828	976	908	0	0	3,096	2,994
Kansas	1,311	1,317	1,199	1,199	611	682	0	0	3,121	3,199
Minnesota	2,013	2,092	1,707	1,719	1,107	1,175	2	2	4,828	4,988
Missouri	2,983	3,005	2,168	2,134	757	863	1	1	5,909	6,003
Nebraska	800	810	649	633	609	624	0	0	2,059	2,066
North Dakota	351	365	399	352	419	412	0	0	1,169	1,129
South Dakota	378	382	325	306	148	156	0	0	850	845
South Atlantic	33,354	32,536	22,675	22,725	7,143	7,273	86	86	63,258	62,621
Delaware	519	481	330	339	147	161	0	0	996	981
District of Columbia	257	208	767	805	19	15	24	21	1,067	1,049
Florida	11,035	10,769	6,937	6,950	1,064	990	6	7	19,042	18,716
Georgia	5,299	5,303	3,576	3,729	1,431	1,635	7	9	10,313	10,676
Maryland	3,000	2,909	2,547	2,594	255	266	35	36	5,837	5,805
North Carolina	5,197	5,083	3,219	3,195	1,339	1,340	1	1	9,756	9,618
South Carolina	3,004	2,997	1,712	1,717	1,347	1,400	0	0	6,063	6,114
Virginia	4,153	3,941	3,078	2,921	936	908	12	12	8,179	7,782
West Virginia	891	844	510	476	605	559	0	0	2,006	1,879
East South Central	10,280	10,263	7,046	7,142	4,759	5,091	0	0	22,085	22,496
Alabama	3,036	2,972	1,921	1,905	1,625	1,641	0	0	6,582	6,518
Kentucky	2,107	2,159	1,341	1,386	1,237	1,408	0	0	4,685	4,952
Mississippi	1,693	1,673	1,136	1,158	828	825	0	0	3,657	3,656
Tennessee	3,444	3,460	2,648	2,692	1,069	1,217	0	0	7,161	7,369
West South Central	18,918	18,725	11,954	12,392	7,006	8,238	8	7	37,887	39,363
Arkansas	1,441	1,372	770	733	751	761	0	0	2,963	2,866
Louisiana	2,308	2,375	1,643	1,708	1,315	1,611	1	1	5,267	5,694
Oklahoma	1,836	1,849	1,177	1,277	684	793	0	0	3,697	3,919
Texas	13,333	13,129	8,364	8,675	4,256	5,074	7	7	25,960	26,884
Mountain	8,832	8,604	7,061	6,948	4,287	4,371	10	11	20,191	19,934
Arizona	3,254	3,112	2,398	2,312	707	724	0	0	6,360	6,148
Colorado	1,693	1,695	1,496	1,541	827	863	5	5	4,022	4,104
Idaho	591	585	367	358	485	478	0	0	1,444	1,421
Montana	393	378	380	354	173	175	0	0	947	908
Nevada	1,265	1,254	683	686	761	774	1	1	2,709	2,715
New Mexico	656	633	717	707	355	378	0	0	1,728	1,718
Utah	763	734	750	724	458	468	4	5	1,975	1,931
Wyoming	217	213	270	266	520	510	0	0	1,007	989
Pacific Contiguous	15,164	14,937	16,786	16,772	6,238	6,411	58	58	38,246	38,178
California	11,498	11,187	13,925	13,984	4,811	4,924	56	56	30,290	30,151
Oregon	1,434	1,441	1,063	1,052	564	575	2	2	3,063	3,070
Washington	2,233	2,308	1,798	1,737	862	912	0	0	4,893	4,957
Pacific Noncontiguous	892	1,008	1,023	1,180	795	1,008	0	0	2,710	3,195
Alaska	298	283	371	349	147	162	0	0	816	794
Hawaii	594	725	651	831	648	846	0	0	1,894	2,401
U.S. Total	139,267	136,702	110,301	110,855	50,496	54,005	595	616	300,660	302,177

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

Table 5.6.A. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, September 2015 and 2014 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	18.63	17.62	15.04	14.37	12.02	11.36	9.73	10.01	16.01	15.12
Connecticut	19.23	19.82	15.13	15.22	12.67	12.49	10.80	11.28	16.62	16.79
Maine	15.60	15.77	12.56	11.90	8.64	7.47	--	--	12.60	11.98
Massachusetts	18.83	16.75	15.61	14.48	13.32	12.85	8.23	9.05	16.51	15.05
New Hampshire	17.25	17.36	14.16	13.63	12.55	11.10	--	--	15.12	14.61
Rhode Island	21.61	17.21	14.72	13.90	12.90	12.45	18.33	15.10	17.50	15.11
Vermont	17.27	17.76	14.47	14.50	10.21	9.56	--	--	14.36	14.29
Middle Atlantic	16.36	16.42	13.69	14.02	7.36	7.24	12.16	12.86	13.48	13.46
New Jersey	15.99	15.84	13.34	13.19	11.14	10.82	9.84	9.67	14.22	13.94
New York	18.44	19.41	16.10	16.82	6.45	6.47	13.44	15.04	15.81	16.38
Pennsylvania	14.31	13.49	9.51	9.47	7.19	7.00	8.01	7.38	10.48	9.96
East North Central	13.03	12.88	9.94	9.77	6.94	7.23	7.26	7.96	9.91	9.76
Illinois	12.68	12.05	9.12	8.27	6.42	7.46	7.07	7.88	9.42	9.12
Indiana	11.40	11.85	9.41	9.96	6.62	7.10	9.71	10.22	8.78	9.14
Michigan	14.56	14.80	10.42	10.87	7.07	7.51	11.87	11.67	10.81	10.97
Ohio	12.55	12.39	9.95	9.67	7.01	6.69	8.20	7.20	9.87	9.47
Wisconsin	14.82	14.40	11.43	11.22	8.11	7.81	--	--	11.28	10.85
West North Central	12.05	11.80	9.49	9.57	7.17	7.10	10.97	10.86	9.67	9.47
Iowa	12.26	12.07	9.33	9.19	6.65	6.62	--	--	9.04	8.72
Kansas	12.26	12.40	9.94	10.32	7.27	7.94	--	--	10.05	10.36
Minnesota	12.86	12.66	9.86	10.08	7.28	6.80	10.26	10.32	10.00	9.64
Missouri	11.46	11.00	9.19	9.10	6.71	6.98	11.72	11.57	9.65	9.40
Nebraska	12.29	12.06	9.39	9.33	7.53	7.42	--	--	9.57	9.45
North Dakota	11.11	10.84	9.23	9.44	8.65	7.93	--	--	9.42	9.03
South Dakota	11.80	11.48	9.12	9.11	7.53	7.06	--	--	9.65	9.36
South Atlantic	12.11	12.17	9.50	10.27	6.62	6.67	7.94	8.77	10.14	10.48
Delaware	13.65	13.68	10.17	10.42	8.26	7.97	--	--	11.27	11.06
District of Columbia	12.65	12.57	12.17	15.38	8.46	2.02	9.65	9.06	12.15	14.42
Florida	11.81	12.22	9.59	9.94	8.41	8.02	8.79	9.55	10.71	11.04
Georgia	12.10	12.21	9.63	10.17	5.73	6.68	5.52	10.23	9.75	10.24
Maryland	14.10	13.56	10.80	16.32	8.29	6.18	7.69	8.15	11.94	14.42
North Carolina	11.91	11.57	8.95	8.78	6.68	6.60	7.71	7.60	9.71	9.53
South Carolina	12.76	12.68	10.38	10.27	6.15	6.10	--	--	9.74	9.71
Virginia	11.85	11.97	8.13	8.40	6.88	7.04	7.81	8.26	9.34	9.51
West Virginia	10.79	9.52	8.81	7.90	6.14	5.76	--	--	8.23	7.46
East South Central	10.99	10.81	10.29	10.18	6.56	6.49	7.93	7.65	9.37	9.22
Alabama	12.31	11.84	11.01	10.60	6.62	6.38	--	--	9.83	9.49
Kentucky	10.36	10.19	9.41	9.32	5.78	5.77	--	--	8.28	8.11
Mississippi	11.07	11.36	10.27	10.62	7.12	7.04	--	--	9.62	9.85
Tennessee	10.33	10.06	10.29	10.15	7.11	7.19	7.93	7.65	9.61	9.42
West South Central	11.16	11.48	7.96	8.25	5.62	6.23	5.46	5.42	8.60	8.94
Arkansas	10.52	10.21	8.61	8.28	6.69	6.42	10.36	12.52	8.71	8.43
Louisiana	9.61	9.82	8.64	8.91	5.60	6.01	8.46	9.17	7.94	8.21
Oklahoma	10.57	11.21	7.93	9.04	5.73	6.13	--	--	8.42	9.02
Texas	11.65	12.03	7.78	8.04	5.44	6.28	5.26	5.17	8.76	9.16
Mountain	12.29	12.16	10.15	10.08	7.01	7.24	10.19	10.90	10.00	9.96
Arizona	12.74	12.30	11.05	10.55	6.55	6.70	11.28	--	11.07	10.67
Colorado	12.43	12.78	10.16	10.65	7.25	7.88	10.18	11.12	10.09	10.56
Idaho	10.08	9.98	7.67	7.91	6.94	6.97	--	--	8.04	8.11
Montana	11.43	10.91	10.14	10.04	5.06	5.48	--	--	8.82	8.81
Nevada	12.39	12.87	9.27	9.69	8.56	8.94	9.96	9.87	10.27	10.60
New Mexico	12.78	12.69	10.72	10.49	6.22	6.53	--	--	9.94	9.87
Utah	11.42	11.02	9.42	9.19	7.02	6.63	10.12	10.84	9.36	8.91
Wyoming	11.49	11.08	9.29	9.07	6.57	6.74	--	--	7.86	7.89
Pacific Contiguous	16.09	15.66	15.74	15.76	10.44	10.37	9.52	9.80	14.67	14.46
California	18.38	17.97	18.22	18.30	13.96	13.94	9.54	9.82	17.45	17.30
Oregon	10.88	10.72	8.81	8.72	6.20	6.16	9.15	9.32	8.76	8.66
Washington	9.36	8.92	8.18	7.89	4.55	4.55	8.47	7.91	7.45	7.11
Pacific Noncontiguous	25.62	30.60	22.95	27.05	20.52	26.86	--	--	22.96	27.97
Alaska	20.61	19.80	18.24	17.49	14.45	15.65	--	--	18.10	17.76
Hawaii	28.52	37.76	26.68	34.62	22.56	30.71	--	--	25.67	33.91
U.S. Total	13.06	12.95	10.94	11.16	7.18	7.37	10.32	11.02	10.81	10.83

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values for 2014 are final. Values for 2015 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.6.B. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through September 2015 and 2014 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD	September 2015 YTD	September 2014 YTD
New England	19.63	17.67	15.64	14.81	12.27	12.05	10.91	10.27	16.73	15.49
Connecticut	21.13	19.64	16.09	15.61	13.06	13.02	14.17	12.87	17.99	17.06
Maine	15.70	15.12	13.22	12.73	9.20	9.22	--	--	13.08	12.69
Massachusetts	20.08	17.14	15.91	14.82	13.37	13.00	8.51	8.71	17.11	15.39
New Hampshire	18.68	17.31	15.10	14.37	12.71	12.08	--	--	16.17	15.19
Rhode Island	19.26	17.23	16.09	14.79	14.02	12.96	18.02	14.53	17.20	15.57
Vermont	16.98	17.62	14.45	14.58	10.14	10.33	--	--	14.33	14.67
Middle Atlantic	16.10	16.50	13.31	13.87	7.48	7.79	11.93	12.42	13.22	13.60
New Jersey	16.05	15.83	13.19	13.47	11.18	11.77	10.42	10.57	14.14	14.19
New York	18.75	20.28	15.48	16.37	6.47	6.71	13.19	14.03	15.54	16.50
Pennsylvania	13.69	13.36	9.61	9.80	7.29	7.56	7.92	7.70	10.42	10.39
East North Central	12.82	12.58	9.91	10.01	6.90	7.11	7.24	6.70	9.87	9.85
Illinois	12.40	11.72	8.93	9.23	6.37	6.87	7.04	6.52	9.30	9.30
Indiana	11.12	11.40	9.57	9.91	6.69	6.98	9.96	10.05	8.82	9.05
Michigan	14.41	14.51	10.63	10.90	7.24	7.74	11.47	8.72	10.89	11.09
Ohio	12.61	12.41	9.96	9.77	6.88	6.81	8.08	7.34	9.91	9.71
Wisconsin	14.43	13.71	11.11	10.83	7.86	7.58	--	--	11.01	10.63
West North Central	11.56	11.24	9.36	9.40	6.98	6.87	9.18	9.04	9.43	9.28
Iowa	12.08	11.39	9.29	8.90	6.16	5.94	--	--	8.72	8.41
Kansas	12.27	12.20	10.03	10.18	7.42	7.84	--	--	10.11	10.23
Minnesota	12.35	12.09	9.61	9.97	7.16	6.83	9.59	9.98	9.75	9.64
Missouri	11.06	10.84	9.14	9.11	6.36	6.57	8.70	8.08	9.44	9.34
Nebraska	10.96	10.55	9.02	8.82	7.74	7.63	--	--	9.20	8.97
North Dakota	9.86	9.29	8.85	8.88	8.37	7.58	--	--	8.94	8.47
South Dakota	10.96	10.47	8.94	8.90	7.33	7.03	--	--	9.35	9.07
South Atlantic	11.81	11.78	9.56	9.72	6.62	6.83	8.32	8.43	10.06	10.14
Delaware	13.31	13.16	10.23	10.58	8.35	8.77	--	--	11.21	11.28
District of Columbia	12.73	12.78	12.01	12.36	8.76	8.44	9.29	8.57	12.01	12.25
Florida	11.79	11.87	9.69	9.83	8.38	7.93	8.89	9.18	10.71	10.76
Georgia	11.70	11.88	9.89	10.46	5.91	6.80	5.56	7.50	9.75	10.22
Maryland	13.64	13.66	11.13	11.42	8.80	9.16	8.54	8.60	12.11	12.26
North Carolina	11.28	11.16	8.73	8.82	6.47	6.60	7.86	7.89	9.41	9.42
South Carolina	12.42	12.47	10.17	10.30	6.05	6.36	--	--	9.58	9.75
Virginia	11.38	11.06	8.28	8.08	7.02	6.85	8.22	8.17	9.39	9.14
West Virginia	9.92	9.35	8.50	7.98	6.10	5.92	--	--	8.06	7.69
East South Central	10.76	10.78	10.28	10.38	6.11	6.31	8.29	8.76	9.13	9.20
Alabama	11.82	11.55	11.00	10.80	6.25	6.30	--	--	9.52	9.39
Kentucky	9.98	10.17	9.27	9.45	5.42	5.83	--	--	8.02	8.25
Mississippi	11.31	11.28	10.69	10.74	6.74	6.71	--	--	9.65	9.64
Tennessee	10.20	10.36	10.18	10.48	6.38	6.70	8.29	8.76	9.36	9.54
West South Central	11.01	11.13	7.96	8.29	5.62	6.14	5.53	5.43	8.48	8.71
Arkansas	9.84	9.50	8.29	8.06	6.21	6.09	10.97	11.37	8.22	7.96
Louisiana	9.24	9.64	8.62	9.18	5.42	6.22	8.48	9.40	7.71	8.23
Oklahoma	9.99	10.11	7.63	8.22	5.37	5.96	--	--	7.94	8.31
Texas	11.71	11.84	7.86	8.16	5.63	6.15	5.32	5.16	8.77	8.97
Mountain	12.00	11.79	9.87	9.75	6.69	6.80	10.03	10.52	9.65	9.55
Arizona	12.38	12.05	10.63	10.30	6.46	6.56	9.52	--	10.64	10.37
Colorado	12.11	12.36	9.87	10.21	7.12	7.59	10.16	10.91	9.86	10.20
Idaho	10.08	9.72	7.91	7.79	6.79	6.54	--	--	8.18	7.93
Montana	11.02	10.20	10.27	9.61	5.31	5.52	--	--	8.99	8.59
Nevada	12.78	12.87	9.35	9.44	7.18	7.44	9.25	9.28	9.74	9.90
New Mexico	12.74	12.39	10.62	10.35	6.38	6.69	--	--	9.89	9.77
Utah	11.10	10.74	8.86	8.65	6.35	6.15	10.07	10.29	8.74	8.44
Wyoming	10.97	10.43	9.12	8.85	6.76	6.61	--	--	7.97	7.75
Pacific Contiguous	14.39	13.80	13.80	13.59	9.21	9.05	8.73	8.96	12.95	12.59
California	17.21	16.45	15.95	15.61	12.33	12.26	8.72	8.96	15.63	15.20
Oregon	10.67	10.45	8.81	8.74	6.08	6.00	9.19	9.20	8.80	8.67
Washington	8.88	8.73	8.07	7.95	4.43	4.32	8.62	8.45	7.32	7.14
Pacific Noncontiguous	25.97	29.58	23.01	26.56	21.33	26.64	--	--	23.34	27.47
Alaska	20.13	19.06	17.87	17.05	14.90	15.79	--	--	17.96	17.42
Hawaii	30.38	37.69	27.52	34.70	23.65	30.67	--	--	26.81	33.94
U.S. Total	12.69	12.55	10.67	10.80	6.98	7.19	10.27	10.49	10.51	10.52

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values for 2014 are final. Values for 2015 are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.7. Number of Ultimate Customers Served by Sector: 2008 - September 2015

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2008	125,037,870	17,582,277	774,817	726	143,395,691
2009	125,208,777	17,562,150	757,497	703	143,529,126
2010	125,717,767	17,674,167	747,691	238	144,139,862
2011	126,143,072	17,637,928	727,889	92	144,508,982
2012	126,832,252	17,728,903	732,344	83	145,293,583
2013	127,776,941	17,679,466	831,734	74	146,288,214
2014	128,680,294	17,853,836	839,154	79	147,373,362
Year 2013					
January	127,595,060	17,595,375	820,869	73	146,011,377
February	126,911,590	17,526,676	807,361	72	145,245,699
March	127,694,574	17,647,058	814,884	73	146,156,589
April	126,863,523	17,950,153	826,221	72	145,639,969
May	128,031,040	17,701,109	836,614	73	146,568,836
June	127,665,705	17,623,026	841,448	72	146,130,251
July	127,940,694	17,727,832	853,955	73	146,522,554
August	128,138,737	17,697,816	856,327	72	146,692,952
Sept	127,680,228	17,603,069	837,614	72	146,120,983
October	128,616,444	17,739,281	844,120	70	147,199,915
November	127,563,046	17,603,224	816,115	80	145,982,465
December	128,622,650	17,738,970	825,278	85	147,186,983
Year 2014					
January	128,080,045	17,756,185	824,418	82	146,660,730
February	127,760,935	17,694,926	810,164	79	146,266,104
March	128,398,293	17,795,435	817,663	79	147,011,470
April	128,347,095	17,795,240	829,796	80	146,972,211
May	128,428,131	17,834,341	840,580	84	147,103,136
June	128,562,601	17,810,020	838,886	77	147,211,584
July	129,055,781	17,937,858	865,715	78	147,859,432
August	128,924,140	17,889,944	856,377	77	147,670,538
Sept	128,788,358	17,922,008	856,589	78	147,567,033
October	129,521,707	17,993,992	860,902	76	148,376,677
November	128,640,689	17,827,317	824,992	76	147,293,074
December	129,655,750	17,988,765	843,760	76	148,488,351
Year 2015					
January	129,207,574	17,884,787	793,142	78	147,885,581
February	128,861,851	17,816,605	787,273	77	147,465,806
March	129,889,272	17,936,078	801,180	78	148,626,608
April	129,640,247	17,919,243	801,753	78	148,361,321
May	129,598,937	17,671,690	806,532	79	148,077,238
June	129,855,023	18,013,203	827,401	79	148,695,706
July	130,230,265	18,065,856	836,449	79	149,132,649
August	129,611,819	17,982,244	824,884	78	148,419,025
Sept	129,899,522	18,025,213	826,132	78	148,750,945
Rolling 12 Months Ending in September					
2014	128,428,960	17,793,119	835,475	79	147,057,633
2015	129,551,055	17,927,083	819,533	78	148,297,748

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.
Values for 2014 and prior years are final. Values for 2015 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. 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 sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.8. Number of Ultimate Customers Served by Sector by State:
September 2015 and 2014

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	6,286,222	6,228,398	868,527	866,456	26,274	28,168	6	6	7,181,029	7,123,028
Connecticut	1,469,240	1,463,840	150,213	159,056	4,372	4,784	3	2	1,623,828	1,627,682
Maine	708,790	707,727	92,770	92,876	3,040	3,035	0	0	804,600	803,638
Massachusetts	2,746,136	2,696,144	406,286	398,225	13,536	14,926	2	3	3,165,960	3,109,298
New Hampshire	608,843	610,007	106,752	105,099	3,267	3,308	0	0	718,862	718,414
Rhode Island	440,092	439,395	58,851	58,564	1,846	1,890	1	1	500,790	499,850
Vermont	313,121	311,285	53,655	52,636	213	225	0	0	366,989	364,146
Middle Atlantic	15,885,975	15,807,232	2,265,902	2,250,125	43,311	44,273	18	17	18,195,206	18,101,647
New Jersey	3,498,904	3,474,835	514,312	515,159	12,209	12,298	6	6	4,025,431	4,002,298
New York	7,080,653	7,044,878	1,059,295	1,043,738	7,590	7,817	6	6	8,147,544	8,096,439
Pennsylvania	5,306,418	5,287,519	692,295	691,228	23,512	24,158	6	5	6,022,231	6,002,910
East North Central	19,840,113	19,718,816	2,457,578	2,442,003	52,211	62,287	7	NM	22,349,909	22,223,114
Illinois	5,183,813	5,145,254	601,832	601,356	5,545	6,113	3	3	5,791,193	5,752,726
Indiana	2,791,872	2,783,853	346,357	349,016	17,454	18,141	1	1	3,155,684	3,151,011
Michigan	4,301,567	4,276,654	538,075	524,928	5,633	13,309	1	NM	4,845,276	4,814,893
Ohio	4,900,314	4,876,209	620,507	619,776	18,847	19,214	2	2	5,539,670	5,515,201
Wisconsin	2,662,547	2,636,846	350,807	346,927	4,732	5,510	0	0	3,018,086	2,989,283
West North Central	9,297,593	9,225,039	1,422,317	1,401,696	112,949	125,251	2	2	10,832,861	10,751,988
Iowa	1,364,898	1,349,799	232,399	226,026	6,745	7,247	0	0	1,604,042	1,583,072
Kansas	1,248,056	1,231,861	231,229	226,970	26,124	27,334	0	0	1,505,409	1,486,165
Minnesota	2,344,901	2,351,585	282,995	286,450	7,925	9,900	1	1	2,635,822	2,647,936
Missouri	2,744,178	2,724,285	374,121	371,694	8,431	10,310	1	1	3,126,731	3,106,290
Nebraska	835,920	818,806	158,185	152,638	53,275	57,874	0	0	1,047,380	1,029,318
North Dakota	368,999	362,740	71,518	68,406	7,535	8,741	0	0	448,052	439,887
South Dakota	390,641	385,963	71,870	69,512	2,914	3,845	0	0	465,425	459,320
South Atlantic	26,924,215	26,611,007	3,703,847	3,642,182	78,930	80,264	11	11	30,707,003	30,333,464
Delaware	414,357	408,445	52,546	52,407	1,137	869	0	0	468,040	461,721
District of Columbia	249,807	238,563	25,883	26,342	1	1	1	1	275,692	264,907
Florida	9,010,491	8,908,807	1,198,026	1,184,927	20,124	19,121	2	2	10,228,643	10,112,857
Georgia	4,215,817	4,156,590	570,100	555,661	18,275	20,697	1	1	4,804,193	4,732,949
Maryland	2,256,886	2,234,770	248,477	248,299	9,081	8,784	5	5	2,514,449	2,491,858
North Carolina	4,383,567	4,323,167	682,302	659,205	10,104	10,414	1	1	5,075,974	4,992,787
South Carolina	2,197,651	2,166,835	355,509	350,842	4,514	4,611	0	0	2,557,674	2,522,288
Virginia	3,335,973	3,312,455	429,091	423,440	3,800	3,665	1	1	3,768,865	3,739,561
West Virginia	859,666	861,375	141,913	141,059	11,894	12,102	0	0	1,013,473	1,014,536
East South Central	8,245,585	8,145,978	1,369,555	1,362,710	24,840	27,809	1	1	9,639,981	9,536,498
Alabama	2,202,292	2,177,341	364,183	362,225	8,198	7,302	0	0	2,574,673	2,546,868
Kentucky	1,957,503	1,937,608	296,435	297,259	7,757	7,403	0	0	2,261,695	2,242,270
Mississippi	1,286,871	1,269,252	233,857	230,975	7,453	11,771	0	0	1,528,181	1,511,998
Tennessee	2,798,919	2,761,777	475,080	472,251	1,432	1,333	1	1	3,275,432	3,235,362
West South Central	15,270,792	15,326,322	2,192,900	2,209,133	192,917	184,314	6	6	17,656,615	17,719,775
Arkansas	1,361,840	1,374,037	187,670	190,109	40,714	40,630	2	2	1,590,226	1,604,778
Louisiana	2,029,554	2,034,801	287,567	299,528	18,677	19,799	1	1	2,335,799	2,354,129
Oklahoma	1,733,436	1,716,841	279,022	276,393	18,147	18,304	0	0	2,030,605	2,011,538
Texas	10,145,962	10,200,643	1,438,641	1,443,103	115,379	105,581	3	3	11,699,985	11,749,330
Mountain	9,404,249	9,284,714	1,353,915	1,359,483	90,839	99,112	4	3	10,849,007	10,743,312
Arizona	2,678,293	2,656,804	313,275	312,524	6,727	7,766	1	0	2,998,296	2,977,094
Colorado	2,228,499	2,198,067	354,004	361,499	14,779	19,368	1	1	2,597,283	2,578,935
Idaho	704,038	692,337	105,676	104,763	27,824	27,405	0	0	837,538	824,505
Montana	494,336	486,236	106,033	103,380	9,112	11,365	0	0	609,481	600,981
Nevada	1,129,599	1,110,695	161,595	160,351	3,547	3,834	1	1	1,294,742	1,274,881
New Mexico	881,991	871,292	137,053	140,288	8,651	9,243	0	0	1,027,695	1,020,823
Utah	1,017,632	1,003,257	117,561	117,981	10,567	9,732	1	1	1,145,761	1,130,971
Wyoming	269,861	266,026	58,718	58,697	9,632	10,399	0	0	338,211	335,122
Pacific Contiguous	18,031,080	17,730,145	2,278,855	2,276,134	201,780	203,091	23	24	20,511,738	20,209,394
California	13,388,021	13,142,919	1,670,959	1,686,302	148,416	147,847	13	13	15,207,409	14,977,081
Oregon	1,699,422	1,673,090	233,162	228,556	25,084	24,797	4	4	1,957,672	1,926,447
Washington	2,943,637	2,914,136	374,734	361,276	28,280	30,447	6	7	3,346,657	3,305,866
Pacific Noncontiguous	713,698	710,707	111,817	112,086	2,081	2,020	0	0	827,596	824,813
Alaska	284,810	284,763	50,843	51,588	NM	NM	0	0	336,992	337,651
Hawaii	428,888	425,944	60,974	60,498	742	720	0	0	490,604	487,162
U.S. Total	129,899,522	128,788,358	18,025,213	17,922,008	826,132	856,589	78	78	148,750,945	147,567,033

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values for 2014 are final. Values for 2015 are preliminary estimates based on a cutoff model sample.
NM = Not Meaningful due to large relative standard error or excessive percentage change.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 6.1. Electric Generating Summer Capacity Changes (MW), August 2015 to September 2015

		As of End of August 2015	Activity During September 2015 as Reported to EIA		As of End of September 2015	Net Change in Capacity - Current Month and Prior Periods			Changes in and Total Net Summer Capacity -- Outlook Based on Reports to EIA							
									Planned Capacity Additions		Planned Capacity Reductions		Planned Net Change		Planned Total Net Summer	
Technology	Capacity Source	Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions	Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... Wind (Summer Capacity)	Utility Scale Facilities	68,302.6	317.0	0.0	68,619.6	317.0	4,388.1	7,127.1	1,160.8	5,570.4	0.0	25.3	1,160.8	5,545.1	69,780.4	74,164.7
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*9,878.7*	*88.8*	*0.0*	*9,967.5*	*88.8*	*1,310.9*	*2,752.4*	*207.7*	*5,767.4*	*0.0*	*0.0*	*207.7*	*5,767.4*	*10,175.2*	*15,734.9*
..... *Solar Thermal without Energy Storage*	*Utility Scale Facilities*	*1,371.3*	*0.0*	*0.0*	*1,371.3*	*0.0*	*0.0*	*250.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1,371.3*	*1,371.3*
..... *Solar Thermal with Energy Storage*	*Utility Scale Facilities*	*295.4*	*0.0*	*0.0*	*295.4*	*0.0*	*0.0*	*0.0*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*110.0*	*295.4*	*405.4*
..... Solar Subtotal	Utility Scale Facilities	11,545.4	88.8	0.0	11,634.2	88.8	1,310.9	3,002.4	207.7	5,877.4	0.0	0.0	207.7	5,877.4	11,841.9	17,511.6
..... Conventional Hydroelectric	Utility Scale Facilities	79,711.3	0.0	0.0	79,711.3	0.0	34.0	58.3	63.0	409.5	0.0	17.9	63.0	391.6	79,774.3	80,102.9
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*8,420.3*	*32.0*	*10.0*	*8,442.3*	*22.0*	*74.2*	*118.7*	*40.0*	*44.6*	*23.0*	*26.0*	*17.0*	*18.6*	*8,459.3*	*8,460.9*
..... *Landfill Gas*	*Utility Scale Facilities*	*2,110.6*	*0.9*	*0.0*	*2,111.5*	*0.9*	*-1.5*	*4.1*	*0.0*	*51.3*	*0.0*	*10.0*	*0.0*	*41.3*	*2,111.5*	*2,152.8*
..... *Municipal Solid Waste*	*Utility Scale Facilities*	*2,306.7*	*0.0*	*0.0*	*2,306.7*	*0.0*	*76.6*	*76.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*2,306.7*	*2,306.7*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*835.7*	*2.8*	*0.0*	*838.5*	*2.8*	*15.1*	*18.5*	*0.0*	*36.9*	*0.0*	*1.2*	*0.0*	*35.7*	*838.5*	*874.2*
..... Biomass Sources Subtotal	Utility Scale Facilities	13,673.3	35.7	10.0	13,699.0	25.7	164.4	217.9	40.0	132.8	23.0	37.2	17.0	95.6	13,716.0	13,794.6
..... Geothermal	Utility Scale Facilities	2,544.3	0.0	0.0	2,544.3	0.0	30.0	30.0	1.8	1.8	0.0	0.0	1.8	1.8	2,546.1	2,546.1
... Renewable Sources Subtotal	***Utility Scale Facilities***	***175,776.9***	***441.5***	***10.0***	***176,208.4***	***431.5***	***5,927.4***	***10,435.7***	***1,473.3***	***11,991.9***	***23.0***	***80.4***	***1,450.3***	***11,911.5***	***177,658.7***	***188,119.9***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*231,579.4*	*685.0*	*0.0*	*232,264.4*	*685.0*	*3,598.6*	*5,425.6*	*0.0*	*6,173.5*	*0.0*	*0.0*	*0.0*	*6,173.5*	*232,264.4*	*238,437.9*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*124,767.5*	*3.0*	*9.0*	*124,761.5*	*-6.0*	*-149.4*	*-163.4*	*71.8*	*2,052.9*	*0.0*	*70.7*	*71.8*	*1,982.2*	*124,833.3*	*126,743.7*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*75,472.6*	*0.8*	*0.0*	*75,473.4*	*0.8*	*NA*	*NA*	*0.0*	*0.3*	*115.0*	*1,156.5*	*-115.0*	*-1,156.2*	*75,358.4*	*74,317.2*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*3,549.4*	*0.0*	*0.0*	*3,549.4*	*0.0*	*NA*	*NA*	*25.1*	*613.1*	*0.9*	*4.2*	*24.2*	*608.9*	*3,573.6*	*4,158.3*
..... *Natural Gas with Compressed Air Storage*	*Utility Scale Facilities*	*110.0*	*0.0*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*110.0*	*110.0*
..... *Other Natural Gas*	*Utility Scale Facilities*	*99.5*	*0.0*	*0.0*	*99.5*	*0.0*	*NA*	*NA*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*99.5*	*99.5*
..... Natural Gas Subtotal	Utility Scale Facilities	435,578.4	688.8	9.0	436,258.2	679.8	4,107.9	5,348.5	96.9	8,839.8	115.9	1,231.4	-19.0	7,608.4	436,239.2	443,866.6
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*287,391.2*	*2.0*	*497.0*	*286,896.2*	*-495.0*	*-11,407.0*	*-13,003.0*	*0.0*	*51.2*	*2,159.5*	*8,484.9*	*-2,159.5*	*-8,433.7*	*284,736.7*	*278,462.5*
..... *Coal Integrated Gasification Combined Cycle*	*Utility Scale Facilities*	*791.0*	*0.0*	*0.0*	*791.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*791.0*	*791.0*
..... Coal Subtotal	Utility Scale Facilities	288,182.2	2.0	497.0	287,687.2	-495.0	-11,407.0	-13,003.0	0.0	51.2	2,159.5	8,484.9	-2,159.5	-8,433.7	285,527.7	279,253.5
..... Petroleum Coke	Utility Scale Facilities	2,190.2	0.0	0.0	2,190.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,190.2	2,190.2
..... Petroleum Liquids	Utility Scale Facilities	38,099.4	2.9	0.0	38,102.3	2.9	-842.9	-1,037.9	0.0	33.6	0.7	128.9	-0.7	-95.3	38,101.6	38,007.0
..... Other Gases	Utility Scale Facilities	1,914.3	0.0	0.0	1,914.3	0.0	0.0	-40.0	0.0	0.0	0.0	3.2	0.0	-3.2	1,914.3	1,911.1
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***765,964.5***	***693.7***	***506.0***	***766,152.2***	***187.7***	***-8,142.0***	***-8,732.4***	***96.9***	***8,924.6***	***2,276.1***	***9,848.4***	***-2,179.2***	***-923.8***	***763,973.0***	***765,228.4***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	22,558.1	0.0	0.0	22,558.1	0.0	73.0	73.0	0.0	152.0	0.0	0.0	0.0	152.0	22,558.1	22,710.1
..... Flywheels	Utility Scale Facilities	43.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	43.0
..... Batteries	Utility Scale Facilities	189.6	19.8	0.0	209.4	19.8	53.3	53.3	30.8	89.3	0.0	0.0	30.8	89.3	240.2	298.7
... Energy Storage Subtotal	***Utility Scale Facilities***	***22,790.7***	***19.8***	***0.0***	***22,810.5***	***19.8***	***126.3***	***126.3***	***30.8***	***241.3***	***0.0***	***0.0***	***30.8***	***241.3***	***22,841.3***	***23,051.8***
... Nuclear	***Utility Scale Facilities***	***98,708.1***	***0.0***	***0.0***	***98,708.1***	***0.0***	***138.8***	***-473.6***	***0.0***	***1,122.0***	***0.0***	***0.0***	***0.0***	***1,122.0***	***98,708.1***	***99,830.1***
... All Other	***Utility Scale Facilities***	***2,607.5***	***0.0***	***1.0***	***2,606.5***	***-1.0***	***13.0***	***13.0***	***0.0***	***16.0***	***0.0***	***0.0***	***0.0***	***16.0***	***2,606.5***	***2,622.5***
TOTAL	**UTILITY SCALE FACILITIES**	**1,065,847.7**	**1,155.0**	**517.0**	**1,066,485.7**	**638.0**	**-1,936.5**	**1,369.0**	**1,601.0**	**22,295.8**	**2,299.1**	**9,928.8**	**-698.1**	**12,367.0**	**1,065,787.6**	**1,078,852.7**
..... *Estimated Distributed Solar Photovoltaic*	*Distributed Facilities*	*7,493.3*			*7,692.0*	*198.7*	*1,470.6*	*1,957.8*								
..... Estimated Total Solar Photovoltaic	All Facilities	17,372.0			17,659.5	287.5	2,781.5	4,710.2								
... Estimated Total Solar	***All Facilities***	***19,038.7***			***19,326.2***	***287.5***	***2,781.5***	***4,960.2***								

NOTES:
Planned Capacity Additions reflect plans to begin operating new units and plans to uprate existing units.
Planned Capacity Reductions reflect plans to retire or derate existing units.
Actual Capacity Additions reflect new units, uprates to existing units, corrections to previously reported capacities, and additions not previously reported.
Actual Capacity Reductions reflect retirements of and derates to existing units, corrections to previously reported capacities, and reductions not previously reported.
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.

Sources: 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 6.1.A. Net Summer Capacity for Utility Scale Solar Photovoltaic and Distributed Solar Photovoltaic Capacity (Megawatts)
2008 - September 2015

Period	Utility Solar Photovoltaic	Estimated Distributed Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals			
2008	71	N/A	N/A
2009	146	N/A	N/A
2010	393	N/A	N/A
2011	1,052	N/A	N/A
2012	2,694	N/A	N/A
2013	5,336	N/A	N/A
2014	8,657	6,221	14,878
Year 2013			
January	2,864	N/A	N/A
February	2,990	N/A	N/A
March	3,089	N/A	N/A
April	3,272	N/A	N/A
May	3,327	N/A	N/A
June	3,568	N/A	N/A
July	3,654	N/A	N/A
August	3,795	N/A	N/A
Sept	3,884	N/A	N/A
October	4,250	N/A	N/A
November	4,747	N/A	N/A
December	5,336	N/A	N/A
Year 2014			
January	5,688	4,763	10,451
February	5,839	4,863	10,702
March	5,968	4,970	10,938
April	6,188	5,078	11,266
May	6,369	5,191	11,560
June	6,564	5,291	11,855
July	6,706	5,413	12,120
August	7,105	5,610	12,715
Sept	7,215	5,734	12,949
October	7,575	5,880	13,455
November	8,005	6,011	14,017
December	8,657	6,221	14,878
Year 2015			
January	8,813	6,391	15,204
February	8,969	6,524	15,493
March	9,028	6,657	15,685
April	9,110	6,798	15,908
May	9,313	6,953	16,266
June	9,582	7,107	16,689
July	9,669	7,322	16,991
August	9,879	7,493	17,372
Sept	9,968	7,692	17,660

Values for 2014 are final. Values for 2015 are preliminary.

Sources: 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 6.1.B. Net Summer Capacity for Estimated Distributed Solar Photovoltaic Capacity by Sector (Megawatts): 2014 - September 2015

Period	Residential	Commercial	Industrial	Total
Annual Totals				
2014	2,871	2,772	579	6,221
Year 2014				
January	1,964	2,335	465	4,763
February	2,023	2,368	472	4,863
March	2,087	2,406	478	4,971
April	2,155	2,436	487	5,078
May	2,225	2,475	491	5,191
June	2,301	2,491	499	5,291
July	2,376	2,528	509	5,414
August	2,468	2,617	524	5,610
Sept	2,559	2,645	530	5,734
October	2,655	2,673	552	5,880
November	2,739	2,707	565	6,011
December	2,871	2,772	579	6,221
Year 2015				
January	2,960	2,836	595	6,391
February	3,061	2,855	608	6,524
March	3,169	2,875	613	6,657
April	3,275	2,903	621	6,798
May	3,384	2,938	631	6,953
June	3,516	2,958	633	7,107
July	3,651	3,025	647	7,322
August	3,779	3,057	657	7,493
Sept	3,937	3,089	666	7,692

Values for 2014 are final. Values for 2015 are preliminary.

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'
Estimated distributed solar photovoltaic capacity is based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, September 2015 and 2014 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	4,624.5	4,559.5	22,873.9	22,853.1	1,775.4	1,775.4	3.0	3.0	4,046.3	4,658.7	52.9	52.9	33,376.0	33,902.6
Connecticut	328.2	335.6	6,313.9	6,312.9	29.4	29.4	0.0	0.0	2,122.5	2,122.5	30.9	30.9	8,824.9	8,831.3
Maine	1,829.6	1,795.4	2,645.0	2,653.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,496.6	4,470.4
Massachusetts	930.0	900.6	9,787.0	9,791.2	1,746.0	1,746.0	3.0	3.0	677.6	677.6	0.0	0.0	13,143.6	13,118.4
New Hampshire	935.4	935.4	2,266.7	2,236.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,448.3	4,418.3
Rhode Island	51.3	50.3	1,761.8	1,759.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,813.1	1,810.1
Vermont	550.0	542.2	99.5	99.5	0.0	0.0	0.0	0.0	0.0	612.4	0.0	0.0	649.5	1,254.1
Middle Atlantic	10,585.2	10,515.2	68,181.2	68,664.1	3,409.1	3,409.1	40.0	40.0	19,321.4	19,182.6	11.2	11.2	101,548.1	101,822.2
New Jersey	676.6	631.6	13,196.4	13,542.1	420.0	420.0	0.0	0.0	4,110.1	4,110.1	11.2	11.2	18,414.3	18,715.0
New York	7,049.0	7,024.0	26,490.5	26,499.3	1,406.1	1,406.1	20.0	20.0	5,431.5	5,431.5	0.0	0.0	40,397.1	40,380.9
Pennsylvania	2,859.6	2,859.6	28,494.3	28,622.7	1,583.0	1,583.0	20.0	20.0	9,779.8	9,641.0	0.0	0.0	42,736.7	42,726.3
East North Central	9,978.7	9,279.7	116,959.4	121,932.9	1,945.0	1,872.0	78.8	25.5	18,873.3	18,873.3	110.0	111.0	147,945.2	152,094.4
Illinois	3,981.0	3,723.1	30,003.3	29,687.0	0.0	0.0	52.8	1.5	11,564.1	11,564.1	0.0	1.0	45,601.2	44,976.7
Indiana	1,976.5	1,744.0	24,245.0	25,445.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	26,309.5	27,277.0
Michigan	2,146.7	1,940.9	22,115.2	22,433.3	1,945.0	1,872.0	0.0	0.0	3,982.0	3,982.0	0.9	0.9	30,189.8	30,229.1
Ohio	717.0	714.2	25,971.2	29,473.7	0.0	0.0	26.0	24.0	2,134.0	2,134.0	0.0	0.0	28,848.2	32,345.9
Wisconsin	1,157.5	1,157.5	14,624.7	14,893.9	0.0	0.0	0.0	0.0	1,193.2	1,193.2	21.1	21.1	16,996.5	17,265.7
West North Central	19,985.8	18,478.7	61,801.3	62,309.2	657.0	657.0	2.0	2.0	5,806.0	5,806.0	44.5	44.5	88,296.6	87,297.4
Iowa	6,032.3	5,467.1	10,043.6	10,158.7	0.0	0.0	0.0	0.0	601.4	601.4	20.0	20.0	16,697.3	16,247.2
Kansas	3,197.6	2,990.9	9,943.9	10,149.9	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.8	0.8	14,317.3	14,316.6
Minnesota	3,623.9	3,423.9	10,236.6	10,584.5	0.0	0.0	1.0	1.0	1,594.0	1,594.0	18.4	18.4	15,473.9	15,621.8
Missouri	1,054.6	1,047.0	18,916.9	18,887.8	657.0	657.0	1.0	1.0	1,193.0	1,193.0	0.0	0.0	21,822.5	21,785.8
Nebraska	1,105.4	1,032.3	6,384.4	6,384.4	0.0	0.0	0.0	0.0	1,242.6	1,242.6	0.0	0.0	8,732.4	8,659.3
North Dakota	2,634.0	2,279.0	4,585.6	4,453.6	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	7,224.9	6,737.9
South Dakota	2,338.0	2,238.5	1,690.3	1,690.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,028.3	3,928.8
South Atlantic	13,181.1	12,578.5	159,645.3	161,882.7	7,905.2	7,905.2	34.0	34.0	24,559.1	24,559.1	970.7	970.7	206,295.4	207,930.2
Delaware	45.0	43.8	3,354.4	3,042.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,399.4	3,086.2
District of Columbia	9.9	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	9.0
Florida	1,412.2	1,308.9	53,575.8	54,311.8	0.0	0.0	0.0	0.0	3,572.0	3,572.0	776.7	776.7	59,336.7	59,969.4
Georgia	2,888.4	2,857.3	27,454.1	29,419.1	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	44.0	44.0	36,309.7	38,243.6
Maryland	969.0	914.3	9,693.2	9,600.2	0.0	0.0	0.0	0.0	1,707.8	1,707.8	0.0	0.0	12,370.0	12,222.3
North Carolina	3,440.9	3,038.5	21,973.4	22,005.4	86.0	86.0	0.0	0.0	5,094.1	5,094.1	54.0	54.0	30,648.4	30,278.0
South Carolina	1,779.5	1,779.5	11,772.3	11,972.3	2,716.0	2,716.0	0.0	0.0	6,556.2	6,556.2	0.0	0.0	22,824.0	23,024.0
Virginia	1,750.2	1,750.2	17,057.2	16,166.6	3,241.0	3,241.0	0.0	0.0	3,568.0	3,568.0	96.0	96.0	25,712.4	24,821.8
West Virginia	886.0	886.0	14,755.9	15,355.9	0.0	0.0	34.0	34.0	0.0	0.0	0.0	0.0	15,675.9	16,275.9
East South Central	7,956.3	7,922.0	68,714.0	70,324.5	1,616.3	1,616.3	0.0	0.0	9,875.6	9,875.6	159.7	159.7	88,321.9	89,898.1
Alabama	3,886.9	3,886.9	22,328.0	23,000.0	0.0	0.0	0.0	0.0	5,066.4	5,066.4	0.0	0.0	31,281.3	31,953.3
Kentucky	905.6	905.4	19,196.2	19,976.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20,101.8	20,881.6
Mississippi	274.7	274.7	14,095.4	14,247.4	0.0	0.0	0.0	0.0	1,408.5	1,408.5	159.7	159.7	15,938.3	16,090.3
Tennessee	2,889.1	2,855.0	13,094.4	13,100.9	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	21,000.5	20,972.9
West South Central	25,056.2	20,675.3	147,980.6	146,202.7	288.0	288.0	36.0	36.0	8,912.4	8,912.4	513.2	499.2	182,786.4	176,613.6
Arkansas	1,632.0	1,632.0	11,270.5	11,274.0	28.0	28.0	0.0	0.0	1,819.6	1,819.6	0.0	0.0	14,750.1	14,753.6
Louisiana	642.1	642.1	23,605.8	23,071.2	0.0	0.0	0.0	0.0	2,132.8	2,132.8	275.8	275.8	26,656.5	26,121.9
Oklahoma	5,270.3	4,072.3	19,234.1	19,051.9	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	24,764.4	23,384.2
Texas	17,511.8	14,328.9	93,870.2	92,805.6	0.0	0.0	36.0	36.0	4,960.0	4,960.0	237.4	223.4	116,615.4	112,353.9
Mountain	21,031.5	20,440.8	64,332.5	64,545.6	778.8	778.8	2.6	2.6	3,937.0	3,937.0	111.4	111.4	90,193.8	89,816.2
Arizona	4,497.6	4,319.3	19,674.4	19,694.4	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,325.3	28,167.0
Colorado	3,403.2	3,308.8	11,422.4	10,986.2	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	15,397.4	14,866.8
Idaho	3,776.1	3,776.1	1,157.5	1,152.9	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,948.4	4,943.8
Montana	3,397.8	3,397.3	2,718.2	2,888.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,160.0	6,330.0
Nevada	2,386.4	2,131.0	8,258.7	8,692.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,645.1	10,823.7
New Mexico	1,168.0	1,127.5	6,914.8	6,903.3	0.0	0.0	2.6	2.6	0.0	0.0	0.0	0.0	8,085.4	8,033.4
Utah	688.0	666.4	7,454.4	7,626.3	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	8,174.2	8,324.5
Wyoming	1,714.4	1,714.4	6,732.1	6,601.1	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,458.0	8,327.0
Pacific Contiguous	62,736.7	60,283.3	51,572.4	52,213.3	4,183.3	4,183.3	8.0	8.0	3,377.0	3,377.0	566.3	566.3	122,443.7	120,631.2
California	26,026.9	23,866.2	42,975.8	43,840.9	3,869.3	3,869.3	8.0	8.0	2,240.0	2,240.0	453.6	453.6	75,573.6	74,278.0
Oregon	12,040.0	12,035.6	3,859.6	3,635.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,899.6	15,671.0
Washington	24,669.8	24,381.5	4,737.0	4,737.0	314.0	314.0	0.0	0.0	1,137.0	1,137.0	112.7	112.7	30,970.5	30,682.2
Pacific Noncontiguous	1,072.4	1,039.7	4,091.6	3,956.5	0.0	0.0	48.0	48.0	0.0	0.0	66.6	66.6	5,278.6	5,110.8
Alaska	507.5	486.8	2,019.4	1,885.5	0.0	0.0	27.0	27.0	0.0	0.0	40.0	40.0	2,593.9	2,439.3
Hawaii	564.9	552.9	2,072.2	2,071.0	0.0	0.0	21.0	21.0	0.0	0.0	26.6	26.6	2,684.7	2,671.5
U.S. Total	176,208.4	165,772.7	766,152.2	774,884.6	22,558.1	22,485.1	252.4	199.1	98,708.1	99,181.7	2,606.5	2,593.5	1,066,485.7	1,065,116.7

Values for 2014 are final. Values for 2015 are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.
Concentrated Solar Power Energy Storage is included in 'Renewable sources'; it is not included in 'Other Energy Storage'

Sources: 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 6.2.B. Net Summer Capacity Using Primarily Renewable Energy Sources and by State, September 2015 and 2014 (Megawatts)

Census Division and State	Summer Capacity at Utility Scale Facilities														Distributed Capacity		Summer Capacity From Utility Scale Facilities and Distributed Capacity			
	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources		Estimated Distributed Solar Photovoltaic Capacity		Estimated Total Solar Photovoltaic Capacity		Estimated Total Solar Capacity	
	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	842.4	808.2	349.2	310.0	0.0	0.0	1,965.8	1,965.8	1,467.1	1,475.5	0.0	0.0	4,624.5	4,559.5	719.5	513.7	1,068.7	823.7	1,068.7	823.7
Connecticut	0.0	0.0	10.0	9.0	0.0	0.0	122.2	122.2	196.0	204.4	0.0	0.0	328.2	335.6	129.2	74.7	139.2	83.7	139.2	83.7
Maine	464.8	430.6	0.0	0.0	0.0	0.0	733.0	733.0	631.8	631.8	0.0	0.0	1,829.6	1,795.4	12.8	8.4	12.8	8.4	12.8	8.4
Massachusetts	82.6	82.6	301.1	271.7	0.0	0.0	263.0	263.0	283.3	283.3	0.0	0.0	930.0	900.6	506.7	388.6	807.8	660.3	807.8	660.3
New Hampshire	171.0	171.0	0.0	0.0	0.0	0.0	521.3	521.3	243.1	243.1	0.0	0.0	935.4	935.4	16.8	9.2	16.8	9.2	16.8	9.2
Rhode Island	3.8	3.8	7.9	6.9	0.0	0.0	2.7	2.7	36.9	36.9	0.0	0.0	51.3	50.3	9.1	7.4	17.0	14.3	17.0	14.3
Vermont	120.2	120.2	30.2	22.4	0.0	0.0	323.6	323.6	76.0	76.0	0.0	0.0	550.0	542.2	44.8	25.4	75.0	47.8	75.0	47.8
Middle Atlantic	3,098.5	3,082.3	522.7	468.3	0.0	0.0	5,618.8	5,618.8	1,345.2	1,345.8	0.0	0.0	10,585.2	10,515.2	1,319.0	1,078.8	1,841.7	1,547.1	1,841.7	1,547.1
New Jersey	7.6	7.6	425.9	380.9	0.0	0.0	12.3	12.3	230.8	230.8	0.0	0.0	676.6	631.6	793.1	716.5	1,219.0	1,097.4	1,219.0	1,097.4
New York	1,747.0	1,730.8	54.7	45.3	0.0	0.0	4,713.1	4,713.1	534.2	534.8	0.0	0.0	7,049.0	7,024.0	379.1	220.2	433.8	265.5	433.8	265.5
Pennsylvania	1,343.9	1,343.9	42.1	42.1	0.0	0.0	893.4	893.4	580.2	580.2	0.0	0.0	2,859.6	2,859.6	146.8	142.1	188.9	184.2	188.9	184.2
East North Central	7,655.4	6,976.6	172.1	142.7	0.0	0.0	918.2	918.2	1,233.0	1,242.2	0.0	0.0	9,978.7	9,279.7	130.6	110.7	302.7	253.4	302.7	253.4
Illinois	3,799.8	3,526.8	31.9	31.6	0.0	0.0	34.1	34.1	115.2	130.6	0.0	0.0	3,981.0	3,723.1	16.6	12.8	48.5	44.4	48.5	44.4
Indiana	1,739.7	1,539.7	101.6	74.8	0.0	0.0	60.4	60.4	74.8	69.1	0.0	0.0	1,976.5	1,744.0	8.6	6.5	110.2	81.3	110.2	81.3
Michigan	1,360.1	1,154.3	0.0	0.0	0.0	0.0	333.1	333.1	453.5	453.5	0.0	0.0	2,146.7	1,940.9	26.6	24.7	26.6	24.7	26.6	24.7
Ohio	424.1	424.1	37.6	35.3	0.0	0.0	101.9	101.9	153.4	152.9	0.0	0.0	717.0	714.2	59.6	50.0	97.2	85.3	97.2	85.3
Wisconsin	331.7	331.7	1.0	1.0	0.0	0.0	388.7	388.7	436.1	436.1	0.0	0.0	1,157.5	1,157.5	19.2	16.6	20.2	17.6	20.2	17.6
West North Central	16,151.2	14,655.5	14.2	9.4	0.0	0.0	3,300.8	3,300.8	519.6	513.0	0.0	0.0	19,985.8	18,478.7	138.7	118.1	152.9	127.5	152.9	127.5
Iowa	5,864.2	5,301.8	0.0	0.0	0.0	0.0	144.9	144.9	23.2	20.4	0.0	0.0	6,032.3	5,467.1	24.3	16.8	24.3	16.8	24.3	16.8
Kansas	3,174.6	2,968.9	1.0	0.0	0.0	0.0	7.0	7.0	15.0	15.0	0.0	0.0	3,197.6	2,990.9	2.9	2.0	3.9	2.0	3.9	2.0
Minnesota	2,987.8	2,787.8	1.7	1.7	0.0	0.0	195.0	195.0	439.4	439.4	0.0	0.0	3,623.9	3,423.9	17.6	14.1	19.3	15.8	19.3	15.8
Missouri	458.5	458.5	11.5	7.7	0.0	0.0	568.1	568.1	16.5	12.7	0.0	0.0	1,054.6	1,047.0	92.4	83.9	103.9	91.6	103.9	91.6
Nebraska	811.9	738.8	0.0	0.0	0.0	0.0	277.8	277.8	15.7	15.7	0.0	0.0	1,105.4	1,032.3	0.9	0.7	0.9	0.7	0.9	0.7
North Dakota	2,114.2	1,759.2	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	2,634.0	2,279.0	0.2	0.2	0.2	0.2	0.2	0.2
South Dakota	740.0	640.5	0.0	0.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,338.0	2,238.5	0.3	0.3	0.3	0.3	0.3	0.3
South Atlantic	745.3	705.3	1,089.3	683.1	0.0	0.0	7,198.0	7,198.0	4,148.5	3,992.1	0.0	0.0	13,181.1	12,578.5	505.2	371.4	1,594.5	1,054.5	1,594.5	1,054.5
Delaware	2.0	2.0	30.8	29.6	0.0	0.0	0.0	0.0	12.2	12.2	0.0	0.0	45.0	43.8	42.0	38.1	72.8	67.7	72.8	67.7
District of Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	9.9	0.0	16.6	15.8	16.6	15.8	16.6	15.8
Florida	0.0	0.0	80.8	72.9	0.0	0.0	54.5	54.5	1,276.9	1,181.5	0.0	0.0	1,412.2	1,308.9	93.6	60.0	174.4	132.9	174.4	132.9
Georgia	0.0	0.0	68.6	62.1	0.0	0.0	2,047.6	2,047.6	772.2	747.6	0.0	0.0	2,888.4	2,857.3	52.1	49.1	120.7	111.2	120.7	111.2
Maryland	160.0	120.0	73.9	59.2	0.0	0.0	590.0	590.0	145.1	145.1	0.0	0.0	969.0	914.3	208.4	135.2	282.3	194.4	282.3	194.4
North Carolina	0.0	0.0	832.7	456.8	0.0	0.0	1,999.1	1,999.1	609.1	582.6	0.0	0.0	3,440.9	3,038.5	66.5	54.5	899.2	511.3	899.2	511.3
South Carolina	0.0	0.0	2.5	2.5	0.0	0.0	1,340.3	1,340.3	436.7	436.7	0.0	0.0	1,779.5	1,779.5	4.2	2.4	6.7	4.9	6.7	4.9
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.0	866.0	884.2	884.2	0.0	0.0	1,750.2	1,750.2	19.1	14.0	19.1	14.0	19.1	14.0
West Virginia	583.3	583.3	0.0	0.0	0.0	0.0	300.5	300.5	2.2	2.2	0.0	0.0	886.0	886.0	2.7	2.2	2.7	2.2	2.7	2.2
East South Central	29.1	29.1	45.2	13.6	0.0	0.0	6,724.9	6,722.2	1,157.1	1,157.1	0.0	0.0	7,956.3	7,922.0	49.2	48.3	94.4	61.9	94.4	61.9
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,271.0	3,271.0	615.9	615.9	0.0	0.0	3,886.9	3,886.9	1.9	1.8	1.9	1.8	1.9	1.8
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	835.3	835.1	70.3	70.3	0.0	0.0	905.6	905.4	8.8	8.0	8.8	8.0	8.8	8.0
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	274.7	274.7	0.0	0.0	274.7	274.7	1.4	1.4	1.4	1.4	1.4	1.4
Tennessee	29.1	29.1	45.2	13.6	0.0	0.0	2,618.6	2,616.1	196.2	196.2	0.0	0.0	2,889.1	2,855.0	37.1	37.1	82.3	50.7	82.3	50.7
West South Central	20,461.6	16,175.7	218.4	169.9	0.0	0.0	3,049.6	3,049.6	1,326.6	1,280.1	0.0	0.0	25,056.2	20,675.3	217.0	157.2	435.4	327.1	435.4	327.1
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,323.6	1,323.6	308.4	308.4	0.0	0.0	1,632.0	1,632.0	3.3	3.1	3.3	3.1	3.3	3.1
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	450.1	450.1	0.0	0.0	642.1	642.1	93.5	65.6	93.5	65.6	93.5	65.6
Oklahoma	4,328.4	3,132.9	2.5	0.0	0.0	0.0	863.2	863.2	76.2	76.2	0.0	0.0	5,270.3	4,072.3	1.8	1.5	4.3	1.5	4.3	1.5
Texas	16,133.2	13,042.8	215.9	169.9	0.0	0.0	670.8	670.8	491.9	445.4	0.0	0.0	17,511.8	14,328.9	118.3	87.1	334.2	257.0	334.2	257.0
Mountain	7,126.8	6,997.0	2,273.4	1,843.7	363.9	363.9	10,560.8	10,559.6	178.2	178.2	528.4	498.4	21,031.5	20,440.8	1,083.0	806.8	3,356.4	2,650.5	3,720.3	3,014.4
Arizona	267.3	237.3	1,179.3	1,031.0	295.4	295.4	2,720.9	2,720.9	34.7	34.7	0.0	0.0	4,497.6	4,319.3	608.9	469.2	1,788.2	1,500.2	2,083.6	1,795.6
Colorado	2,566.1	2,481.3	133.4	123.8	0.0	0.0	676.3	676.3	27.4	27.4	0.0	0.0	3,403.2	3,308.8	243.5	200.3	376.9	324.1	376.9	324.1
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,707.7	2,707.7	95.7	95.7	10.0	10.0	3,776.1	3,776.1	4.2	2.7	4.2	2.7	4.2	2.7
Montana	636.7	636.7	0.0	0.0	0.0	0.0	2,758.1	2,757.6	3.0	3.0	0.0	0.0	3,397.8	3,397.3	5.7	7.6	5.7	7.6	5.7	7.6
Nevada	150.0	150.0	669.5	444.1	68.5	68.5	1,051.4	1,051.4	3.2	3.2	443.8	413.8	2,386.4	2,131.0	108.2	43.5	777.7	487.6	846.2	556.1
New Mexico	812.3	797.3	269.0	243.5	0.0	0.0	82.9	82.9	2.2	2.2	1.6	1.6	1,168.0	1,127.5	70.3	59.6	339.3	303.1	339.3	303.1
Utah	324.4	324.4	22.2	1.3	0.0	0.0	256.4	255.7	12.0	12.0	73.0	73.0	688.0	666.4	40.6	22.4	62.8	23.7	62.8	23.7
Wyoming	1,407.3	1,407.3	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,714.4	1,714.4	1.7	1.5	1.7	1.5	1.7	1.5
Pacific Contiguous	12,243.7	11,797.2	5,238.8	3,542.2	1,302.8	1,052.8	39,908.9	39,875.2	2,069.6	2,043.0	1,972.9	1,972.9	62,736.7	60,283.3	3,171.6	2,228.3	8,410.4	5,770.5	9,713.2	6,823.3
California	6,013.2	5,833.5	5,224.4	3,527.8	1,302.8	1,052.8	10,182.9	10,175.1	1,348.4	1,321.8	1,955.2	1,955.2	26,026.9	23,866.2	3,057.4	2,143.3	8,281.8	5,671.1	9,584.6	6,723.9
Oregon	3,157.4	3,157.4	13.9	13.9	0.0	0.0	8,519.8	8,515.4	331.2	331.2	17.7	17.7	12,040.0	12,035.6	70.9	57.4	84.8	71.3	84.8	71.3
Washington	3,073.1	2,806.3	0.5	0.5	0.0	0.0	21,206.2	21,184.7	390.0	390.0	0.0	0.0	24,669.8	24,381.5	43.2	27.6	43.7	28.1	43.7	28.1
Pacific Noncontiguous	265.6	265.6	44.2	32.2	0.0	0.0	465.5	444.8	254.1	254.1	43.0	43.0	1,072.4	1,039.7	358.4	301.0	402.6	333.2	402.6	333.2
Alaska	60.0	60.0	0.0	0.0	0.0	0.0	440.5	419.8	7.0	7.0	0.0	0.0	507.5	486.8	0.0	0.0	0.0	0.0	0.0	0.0
Hawaii	205.6	205.6	44.2	32.2	0.0	0.0	25.0	25.0	247.1	247.1	43.0	43.0	564.9	552.9	358.4	301.0	402.6	333.2	402.6	333.2
U.S. Total	68,619.6	61,492.5	9,967.5	7,215.1	1,666.7	1,416.7	79,711.3	79,653.0	13,699.0	13,481.1	2,544.3	2,514.3	176,208.4	165,772.7	7,692.0	5,734.2	17,659.5	12,949.3	19,326.2	14,366.0

Values for 2014 are final. Values for 2015 are preliminary.

Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'
Estimated distributed solar photovoltaic capacity is based on data from Form EIA-826, Form EIA-861 and from estimation methods described in the technical notes.

Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, September 2015 and 2014 (Megawatts)

Census Division and State	Natural Gas Fired Combined Cycle		Natural Gas Fired Combustion Turbine		Other Natural Gas		Coal		Petroleum Coke		Petroleum Liquids		Other Gases		Total Fossil Fuels	
	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014	September 2015	September 2014
New England	11,772.0	11,742.0	1,110.1	1,110.1	961.2	962.4	2,076.8	2,076.8	0.0	0.0	6,953.8	6,961.8	0.0	0.0	22,873.9	22,853.1
Connecticut	2,504.6	2,504.6	482.2	482.2	64.7	63.7	383.4	383.4	0.0	0.0	2,879.0	2,879.0	0.0	0.0	6,313.9	6,312.9
Maine	1,250.0	1,250.0	297.2	297.2	119.0	119.0	85.0	85.0	0.0	0.0	893.8	901.8	0.0	0.0	2,645.0	2,653.0
Massachusetts	5,054.2	5,054.2	326.9	326.9	765.1	769.3	1,074.5	1,074.5	0.0	0.0	2,566.3	2,566.3	0.0	0.0	9,787.0	9,791.2
New Hampshire	1,231.0	1,201.0	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	498.0	498.0	0.0	0.0	2,266.7	2,236.7
Rhode Island	1,732.2	1,732.2	0.0	0.0	12.4	10.4	0.0	0.0	0.0	0.0	17.2	17.2	0.0	0.0	1,761.8	1,759.8
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.5	99.5	0.0	0.0	99.5	99.5
Middle Atlantic	24,053.4	22,653.1	7,731.6	8,808.6	11,067.0	11,072.0	18,426.5	18,582.4	11.6	11.6	6,790.7	7,436.0	100.4	100.4	68,181.2	68,664.1
New Jersey	7,330.2	5,951.6	3,004.5	4,081.5	512.6	514.6	1,870.0	1,870.0	11.6	11.6	467.5	1,112.8	0.0	0.0	13,196.4	13,542.1
New York	8,250.0	8,250.0	3,048.1	3,048.1	8,758.8	8,758.8	2,490.1	2,498.9	0.0	0.0	3,943.5	3,943.5	0.0	0.0	26,490.5	26,499.3
Pennsylvania	8,473.2	8,451.5	1,679.0	1,679.0	1,795.6	1,798.6	14,066.4	14,213.5	0.0	0.0	2,379.7	2,379.7	100.4	100.4	28,494.3	28,622.7
East North Central	16,954.6	16,384.0	25,643.9	25,665.9	3,465.0	3,656.7	66,708.8	71,840.3	521.6	521.6	2,730.8	2,929.7	934.7	934.7	116,959.4	121,932.9
Illinois	3,543.0	2,972.4	10,174.3	10,183.3	232.0	231.6	15,254.1	15,505.9	0.0	0.0	682.2	676.1	117.7	117.7	30,003.3	29,687.0
Indiana	2,480.2	2,480.2	3,142.6	3,142.6	76.0	76.0	17,399.0	18,599.0	274.0	274.0	273.3	273.3	599.9	599.9	24,245.0	25,445.0
Michigan	4,291.6	4,291.6	3,543.8	3,556.8	2,859.2	3,051.3	10,848.4	10,948.4	47.2	47.2	525.0	538.0	0.0	0.0	22,115.2	22,433.3
Ohio	3,974.6	3,974.6	5,427.7	5,427.7	131.4	131.4	15,425.5	18,736.0	142.0	142.0	652.9	844.9	217.1	217.1	25,971.2	29,473.7
Wisconsin	2,665.2	2,665.2	3,355.5	3,355.5	166.4	166.4	7,781.8	8,051.0	58.4	58.4	597.4	597.4	0.0	0.0	14,624.7	14,893.9
West North Central	5,731.8	5,731.8	11,517.8	11,494.8	3,500.5	3,400.9	36,930.2	37,550.9	32.0	32.0	4,080.6	4,090.4	8.4	8.4	61,801.3	62,309.2
Iowa	1,111.0	1,111.0	1,104.4	1,104.4	548.3	344.2	6,240.0	6,563.0	32.0	32.0	1,007.9	1,004.1	0.0	0.0	10,043.6	10,158.7
Kansas	0.0	0.0	2,324.8	2,363.8	2,034.0	2,146.0	5,047.1	5,097.1	0.0	0.0	538.0	543.0	0.0	0.0	9,943.9	10,149.9
Minnesota	2,158.2	2,158.2	2,533.7	2,575.7	271.4	263.9	4,478.0	4,788.7	0.0	0.0	795.3	798.0	0.0	0.0	10,236.6	10,584.5
Missouri	1,830.0	1,830.0	3,379.4	3,355.4	230.8	230.8	12,337.6	12,326.6	0.0	0.0	1,139.1	1,145.0	0.0	0.0	18,916.9	18,887.8
Nebraska	342.6	342.6	1,152.9	1,152.9	407.3	407.3	4,167.9	4,167.9	0.0	0.0	313.7	313.7	0.0	0.0	6,384.4	6,384.4
North Dakota	0.0	0.0	328.0	248.0	0.0	0.0	4,184.6	4,132.6	0.0	0.0	64.6	64.6	8.4	8.4	4,585.6	4,453.6
South Dakota	290.0	290.0	694.6	694.6	8.7	8.7	475.0	475.0	0.0	0.0	222.0	222.0	0.0	0.0	1,690.3	1,690.3
South Atlantic	47,440.3	46,157.1	31,980.0	31,856.0	5,588.4	4,970.4	59,978.2	64,065.8	669.8	669.8	13,853.6	14,028.6	135.0	135.0	159,645.3	161,882.7
Delaware	1,505.0	1,196.0	314.0	311.0	876.0	876.0	410.0	410.0	0.0	0.0	114.4	114.4	135.0	135.0	3,354.4	3,042.4
District of Columbia	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.0
Florida	25,257.6	25,755.6	8,400.0	8,404.0	2,736.3	2,825.3	10,085.0	10,177.0	586.0	586.0	6,510.9	6,563.9	0.0	0.0	53,575.8	54,311.8
Georgia	7,961.8	7,961.8	7,823.4	7,823.4	822.0	115.0	9,764.4	12,314.4	83.8	83.8	998.7	1,120.7	0.0	0.0	27,454.1	29,419.1
Maryland	250.0	250.0	1,580.9	1,470.9	325.8	325.8	4,722.0	4,739.0	0.0	0.0	2,814.5	2,814.5	0.0	0.0	9,693.2	9,600.2
North Carolina	4,738.5	4,738.5	6,031.7	6,031.7	0.0	0.0	10,800.8	10,832.8	0.0	0.0	402.4	402.4	0.0	0.0	21,973.4	22,005.4
South Carolina	2,409.0	2,409.0	2,855.6	2,855.6	270.8	270.8	5,575.5	5,775.5	0.0	0.0	661.4	661.4	0.0	0.0	11,772.3	11,972.3
Virginia	5,318.4	3,846.2	3,894.1	3,879.1	557.5	557.5	4,946.9	5,543.5	0.0	0.0	2,340.3	2,340.3	0.0	0.0	17,057.2	16,166.6
West Virginia	0.0	0.0	1,071.3	1,071.3	0.0	0.0	13,673.6	14,273.6	0.0	0.0	11.0	11.0	0.0	0.0	14,755.9	15,355.9
East South Central	18,864.1	18,222.1	12,887.5	12,887.5	2,592.1	2,744.1	34,119.7	36,220.2	0.0	0.0	150.8	150.8	99.8	99.8	68,714.0	70,324.5
Alabama	9,391.3	9,391.3	2,530.6	2,530.6	189.3	189.3	10,074.4	10,746.4	0.0	0.0	42.6	42.6	99.8	99.8	22,328.0	23,000.0
Kentucky	642.0	0.0	4,870.6	4,870.6	0.0	0.0	13,671.7	15,093.7	0.0	0.0	11.9	11.9	0.0	0.0	19,196.2	19,976.2
Mississippi	7,427.8	7,427.8	1,716.9	1,716.9	2,381.6	2,533.6	2,526.0	2,526.0	0.0	0.0	43.1	43.1	0.0	0.0	14,095.4	14,247.4
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	21.2	21.2	7,847.6	7,854.1	0.0	0.0	53.2	53.2	0.0	0.0	13,094.4	13,100.9
West South Central	59,489.0	58,076.7	13,101.4	12,311.3	36,040.9	36,427.4	37,929.9	37,921.9	903.2	903.2	185.4	191.4	330.8	370.8	147,980.6	146,202.7
Arkansas	4,597.3	4,597.3	725.8	729.3	810.7	810.7	5,124.5	5,124.5	0.0	0.0	12.2	12.2	0.0	0.0	11,270.5	11,274.0
Louisiana	7,548.1	6,988.5	2,649.8	2,649.8	9,022.4	9,047.4	3,418.6	3,418.6	892.6	892.6	49.1	49.1	25.2	25.2	23,605.8	23,071.2
Oklahoma	7,216.1	7,144.4	1,316.7	1,194.7	5,369.6	5,381.1	5,257.3	5,257.3	0.0	0.0	74.4	74.4	0.0	0.0	19,234.1	19,051.9
Texas	40,127.5	39,346.5	8,409.1	7,737.5	20,838.2	21,188.2	24,129.5	24,121.5	10.6	10.6	49.7	55.7	305.6	345.6	93,870.2	92,805.6
Mountain	22,507.6	21,833.9	8,885.6	8,884.5	3,213.4	3,349.3	29,216.0	29,968.0	52.0	52.0	370.8	370.8	87.1	87.1	64,332.5	64,545.6
Arizona	9,868.7	9,888.7	2,367.6	2,367.6	1,177.6	1,177.6	6,170.0	6,170.0	0.0	0.0	90.5	90.5	0.0	0.0	19,674.4	19,694.4
Colorado	3,239.9	2,651.7	2,535.3	2,535.3	349.0	349.0	5,129.8	5,281.8	0.0	0.0	168.4	168.4	0.0	0.0	11,422.4	10,986.2
Idaho	568.5	568.5	562.1	557.5	4.3	4.3	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,157.5	1,152.9
Montana	0.0	0.0	321.6	362.1	54.0	54.0	2,289.1	2,419.1	52.0	52.0	0.0	0.0	1.5	1.5	2,718.2	2,888.7
Nevada	5,418.6	5,418.6	1,385.6	1,385.6	451.1	587.1	997.4	1,295.4	0.0	0.0	6.0	6.0	0.0	0.0	8,258.7	8,692.7
New Mexico	1,487.9	1,476.4	1,039.6	1,039.6	849.4	849.4	3,471.0	3,471.0	0.0	0.0	66.9	66.9	0.0	0.0	6,914.8	6,903.3
Utah	1,830.0	1,830.0	520.2	520.2	322.4	322.3	4,754.0	4,926.0	0.0	0.0	27.8	27.8	0.0	0.0	7,454.4	7,626.3
Wyoming	94.0	0.0	153.6	116.6	5.6	5.6	6,387.5	6,387.5	0.0	0.0	5.8	5.8	85.6	85.6	6,732.1	6,601.1
Pacific Contiguous	24,930.4	25,472.9	11,375.8	11,387.4	12,628.8	12,552.8	2,015.0	2,177.8	0.0	0.0	410.7	410.7	211.7	211.7	51,572.4	52,213.3
California	19,300.8	19,843.3	10,600.8	10,612.4	12,377.0	12,525.2	90.0	252.8	0.0	0.0	395.5	395.5	211.7	211.7	42,975.8	43,840.9
Oregon	2,916.6	2,916.6	133.8	133.8	224.2	0.0	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,859.6	3,635.4
Washington	2,713.0	2,713.0	641.2	641.2	27.6	27.6	1,340.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	4,737.0	4,737.0
Pacific Noncontiguous	521.2	565.2	527.8	518.8	175.0	10.0	286.1	286.1	0.0	0.0	2,575.1	2,570.0	6.4	6.4	4,091.6	3,956.5
Alaska	521.2	565.2	527.8	518.8	175.0	10.0	106.1	106.1	0.0	0.0	689.3	685.4	0.0	0.0	2,019.4	1,885.5
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,885.8	1,884.6	6.4	6.4	2,072.2	2,071.0
U.S. Total	232,264.4	226,838.8	124,761.5	124,924.9	79,232.3	79,146.0	287,687.2	300,690.2	2,190.2	2,190.2	38,102.3	39,140.2	1,914.3	1,954.3	766,152.2	774,884.6

Values for 2014 are final. Values for 2015 are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of existing or planned capacity for some technologies such as solar photovoltaic generation.

Sources: 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 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	1	12647	ALLETE, Inc.	Electric Utility	Bison 4 Wind Energy Center	ND	58872	BISO4	205.0	Onshore Wind Turbine	WND	WT
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	59275	CF SBC Master Tenant One LLC	IPP	Coronus Adelanto West 1	CA	59536	AW1	1.5	Solar Photovoltaic	SUN	PV
2015	1	59275	CF SBC Master Tenant One LLC	IPP	Coronus Adelanto West 2	CA	59537	AW2	1.5	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Chicopee Granby Road Solar	MA	59626	PV1	1.6	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Chicopee River Solar	MA	59625	PV1	2.0	Solar Photovoltaic	SUN	PV
2015	1	58871	Citizens Enterprises Corporation	IPP	Twiss Street Solar	MA	59624	PV1	1.5	Solar Photovoltaic	SUN	PV
2015	1	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV04	30.0	Solar Photovoltaic	SUN	PV
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	10	21.0	Solar Photovoltaic	SUN	PV
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	9	24.0	Solar Photovoltaic	SUN	PV
2015	1	59176	Diamond Valley Solar LLC	IPP	Diamond Valley Solar Project	CA	59405	PV11	1.3	Solar Photovoltaic	SUN	PV
2015	1	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	BECK1	2.0	Batteries	MWH	BA
2015	1	58720	Enbridge	IPP	Keechi Wind	TX	58838	KW1	110.0	Onshore Wind Turbine	WND	WT
2015	1	56615	First Solar Project Development	Electric Utility	Meadow Lake Solar Energy Center	NM	59618	MLK	9.1	Solar Photovoltaic	SUN	PV
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-1	3.9	Conventional Hydroelectric	WAT	HY
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-2	0.9	Conventional Hydroelectric	WAT	HY
2015	1	56990	NJR Clean Energy Ventures Corporation	IPP	Carroll Area Wind Farm	IA	59071	WT 1	20.0	Onshore Wind Turbine	WND	WT
2015	1	56990	NJR Clean Energy Ventures Corporation	IPP	North Run	NJ	59318	NRUN1	5.0	Solar Photovoltaic	SUN	PV
2015	1	58489	OCI Solar Power	IPP	OCI Alamo 3 LLC	TX	59204	OCIA3	5.5	Solar Photovoltaic	SUN	PV
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	9	18.5	Natural Gas Internal Combustion Engine	NG	IC
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Kinsley Landfill Solar	NJ	58877	KINS	8.6	Solar Photovoltaic	SUN	PV
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Parkland Landfill Solar	NJ	59001	PARK	7.8	Solar Photovoltaic	SUN	PV
2015	1	59121	Pumpjack Solar I, LLC	IPP	Pumpjack Solar I	CA	59322	GEN1	20.0	Solar Photovoltaic	SUN	PV
2015	1	59040	Rising Tree Wind Farm II LLC	IPP	Rising Tree Wind Farm II	CA	59235	GEN1	19.8	Onshore Wind Turbine	WND	WT
2015	1	56937	Rising Tree Wind Farm LLC	IPP	Rising Tree Wind Farm	CA	57621	GEN1	79.2	Onshore Wind Turbine	WND	WT
2015	1	58820	Shankle Solar Center LLC	IPP	Shankle Solar Center LLC	NC	58956	SHAN	4.8	Solar Photovoltaic	SUN	PV
2015	1	59454	Solscient Energy, LLC	Industrial	GM Lordstown Assembly Solar Array	OH	59683	12345	1.7	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017A	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017B	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017C	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017D	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017E	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017F	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017G	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33A	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33B	0.5	Solar Photovoltaic	SUN	PV
2015	1	58258	SunRay Power LLC	IPP	Leicester One MA Solar LLC	MA	58282	1	6.0	Solar Photovoltaic	SUN	PV
2015	2	58519	Clean Energy Collective LLC	IPP	Midwest Energy Community Solar Array	KS	59632	1036	1.0	Solar Photovoltaic	SUN	PV
2015	2	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV05	30.0	Solar Photovoltaic	SUN	PV
2015	2	56615	First Solar Project Development	Electric Utility	Cibola	NM	59619	CBLA	7.6	Solar Photovoltaic	SUN	PV
2015	2	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF1	1.6	Landfill Gas	LFG	IC
2015	2	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF2	1.6	Landfill Gas	LFG	IC
2015	2	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF3	1.6	Landfill Gas	LFG	IC
2015	2	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF4	1.6	Landfill Gas	LFG	IC
2015	2	11208	Los Angeles Department of Water & Power	IPP	Forever 21 Retail, Inc.	CA	59651	W4161	4.6	Solar Photovoltaic	SUN	PV
2015	2	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS07	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS08	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS09	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS10	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	2	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS12	52.6	Solar Photovoltaic	SUN	PV
2015	2	59208	NRG Solar Las Vegas MB-1	Commercial	NRG Solar Las Vegas MB-1	NV	59430	MB-1	5.0	Solar Photovoltaic	SUN	PV
2015	2	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	OEC21	12.0	Geothermal	GEO	BT
2015	2	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	OEC22	12.0	Geothermal	GEO	BT
2015	2	34691	Ormat Nevada Inc	IPP	McGinness Hills	NV	57446	OEC23	6.0	Geothermal	GEO	BT
2015	2	59424	SSA Solar of NM 4, LLC	IPP	City of Truth or Consequences PV	NM	59653	COTC	1.9	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026H	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026I	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026J	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26K	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26L	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44H	0.5	Solar Photovoltaic	SUN	PV

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44I	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44J	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44K	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44L	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44M	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44N	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44O	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44P	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48A	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48B	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48C	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48D	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48E	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48F	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48G	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48H	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48I	0.5	Solar Photovoltaic	SUN	PV
2015	2	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48J	0.5	Solar Photovoltaic	SUN	PV
2015	2	59158	Wildwood Solar I, LLC	IPP	Wildwood Solar I, LLC	CA	59380	WLD1	19.5	Solar Photovoltaic	SUN	PV
2015	3	59307	Ashley Solar Farm, LLC	IPP	Ashley Solar Farm	NC	59566	PV1	4.0	Solar Photovoltaic	SUN	PV
2015	3	58748	Clean Energy LLC	Electric CHP	Reventure Park	NC	58865	RNG	1.6	Landfill Gas	LFG	IC
2015	3	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-1	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-2	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG H	CA	58913	1	1.5	Solar Photovoltaic	SUN	PV
2015	3	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG M	CA	58912	1	1.8	Solar Photovoltaic	SUN	PV
2015	3	58865	Hoopeston Wind LLC	IPP	Hoopeston Wind LLC	IL	59021	HOO1	98.0	Onshore Wind Turbine	WND	WT
2015	3	49893	Invenergy Services LLC	IPP	Grand Ridge Battery Projects	IL	59957	GRES	31.5	Batteries	MWH	BA
2015	3	59284	Kona Solar, LLC	IPP	Park Meridian #1	CA	59539	1	1.5	Solar Photovoltaic	SUN	PV
2015	3	59284	Kona Solar, LLC	IPP	Terra Francesco	CA	59541	3	1.5	Solar Photovoltaic	SUN	PV
2015	3	58598	Mass Solar, LLC	IPP	Braley Road 2	MA	58680	PV1	2.7	Solar Photovoltaic	SUN	PV
2015	3	58598	Mass Solar, LLC	IPP	Freetown Solar	MA	58283	1	5.0	Solar Photovoltaic	SUN	PV
2015	3	59358	REUT Origination, LLC	IPP	South Milford Solar Plant	UT	59620	SMS1	2.9	Solar Photovoltaic	SUN	PV
2015	3	58920	Redmon Solar Farm LLC	IPP	Redmon Solar Farm LLC	NC	59114	1	2.0	Solar Photovoltaic	SUN	PV
2015	3	58749	Rentech Nitrogen Pasadena LLC	Electric CHP	Rentech Nitrogen Pasadena Cogeneration	TX	58870	MG202	14.0	All Other	WH	ST
2015	3	59660	Solar Star California XXXII, LLC	Commercial	UC Davis South Campus	CA	59872	UCD1	13.0	Solar Photovoltaic	SUN	PV
2015	3	57313	SolarCity Corporation	IPP	Millbrook School	NY	59789	PV1	1.4	Solar Photovoltaic	SUN	PV
2015	3	59519	TerraForm Solar XVII, LLC	IPP	BlueWave Capital - Grafton (SREC II)	MA	59752	1	1.3	Solar Photovoltaic	SUN	PV
2015	3	58361	Triton College	Commercial	Triton East and West Cogen	IL	58375	5	0.4	Natural Gas Internal Combustion Engine	NG	IC
2015	3	59298	Vega Solar, LLC	IPP	Vega Solar	CA	59555	VEGA1	20.0	Solar Photovoltaic	SUN	PV
2015	4	59359	BHE Renewables, LLC	IPP	TX Jumbo Road Wind	TX	59621	JRWND	299.7	Onshore Wind Turbine	WND	WT
2015	4	59503	Capital Dynamics	IPP	Green Pastures Wind I	TX	59732	GPI	150.0	Onshore Wind Turbine	WND	WT
2015	4	19454	City of Unalaska - (AK)	Electric Utility	Dutch Harbor	AK	7502	12	3.7	Petroleum Liquids	DFO	IC
2015	4	58519	Clean Energy Collective LLC	IPP	Sunnyside Ranch Community Solar Array	CO	59742	HCE	2.0	Solar Photovoltaic	SUN	PV
2015	4	59346	Colton Solar Two, LLC	IPP	Colton Solar Two, LLC	CA	59598	CS002	1.0	Solar Photovoltaic	SUN	PV
2015	4	58304	Constellation Solar Maryland II LLC	IPP	CNE at Cambridge MD	MD	59842	PV1	3.2	Solar Photovoltaic	SUN	PV
2015	4	59289	Everetts Wildcat Solar, LLC	IPP	Everetts Wildcat Solar, LLC	NC	59549	EVER1	5.0	Solar Photovoltaic	SUN	PV
2015	4	59284	Kona Solar, LLC	IPP	Rancho Cucamonga Dist #1	CA	59540	2	1.8	Solar Photovoltaic	SUN	PV
2015	4	59119	Los Vientos Windpower III, LLC	IPP	Los Vientos Windpower III	TX	59320	GEN1	2.0	Onshore Wind Turbine	WND	WT
2015	4	58863	Main Street Power	IPP	Arizona Western College PV	AZ	57765	SOLEG	1.0	Solar Photovoltaic	SUN	PV
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS01	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS02	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS03	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS04	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS05	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS06	16.5	Natural Gas Internal Combustion Engine	NG	IC
2015	4	59600	Mohave Sunrise Solar I, LLC	IPP	Mohave Electric at Fort Mohave	AZ	59819	PV1	4.4	Solar Photovoltaic	SUN	PV
2015	4	14077	Oklahoma Municipal Power Authority	Electric Utility	Charles D. Lamb Energy Center	OK	58325	1	122.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	5624	RED-Rochester, LLC	Industrial	RED-Rochester, LLC	NY	10025	75TG	2.2	Conventional Steam Coal	BIT	ST
2015	4	59529	Robeson County Landfill	Commercial	Robeson County LFG to Energy	NC	59763	GEN02	1.0	Landfill Gas	LFG	IC
2015	4	59352	Soul City Solar	IPP	Soul City Solar	NC	59606	FLS1	3.5	Solar Photovoltaic	SUN	PV
2015	4	17650	Southern Power Co	IPP	Lost Hills/Blackwell	CA	58711	BLKW	12.0	Solar Photovoltaic	SUN	PV
2015	4	17650	Southern Power Co	IPP	Lost Hills/Blackwell	CA	58711	LTHL	20.0	Solar Photovoltaic	SUN	PV
2015	4	18000	State of Rhode Island	Commercial	Central Power Plant	RI	50621	GEN7	2.0	Natural Gas Internal Combustion Engine	NG	IC
2015	4	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	2	165.0	Onshore Wind Turbine	WND	WT
2015	4	59131	Sumitomo Corporation of the Americas	IPP	Mesquite Creek Wind	TX	59332	MSCRK	211.2	Onshore Wind Turbine	WND	WT
2015	4	59455	Venable Solar, LLC	IPP	Venable Solar 1	CA	58289	VNPV	1.5	Solar Photovoltaic	SUN	PV
2015	4	59455	Venable Solar, LLC	IPP	Venable Solar 2	CA	58290	VSPV	1.5	Solar Photovoltaic	SUN	PV
2015	4	59156	Wapsie Valley Creamery	Industrial	Wapsie Valley Creamery Back Up Generator	IA	59379	1	1.1	Petroleum Liquids	DFO	IC
2015	4	20542	Weyerhaeuser Co	Industrial	Flint River Operations	GA	50465	GEN2	25.0	Wood/Wood Waste Biomass	WDS	ST
2015	4	58919	Yanceyville Farm 2 LLC	IPP	Yanceyville Farm 2 LLC	NC	59113	1	5.0	Solar Photovoltaic	SUN	PV
2015	5	59236	Alamo Solar, LLC	IPP	Alamo Solar	CA	59469	ALAMO	18.7	Solar Photovoltaic	SUN	PV
2015	5	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	4	0.7	Petroleum Liquids	JF	IC
2015	5	59050	Algonquin Power Co	IPP	Algonquin SKIC20 Solar LLC	CA	59412	SKI20	20.0	Solar Photovoltaic	SUN	PV
2015	5	57369	Apple, Inc	Commercial	Ft. Churchill PV	NV	59472	NVC7	19.9	Solar Photovoltaic	SUN	PV
2015	5	57421	BayWa r.e Wind LLC	IPP	Beethoven Wind	SD	59187	B&H80	80.0	Onshore Wind Turbine	WND	WT
2015	5	56769	Consolidated Edison Development Inc.	IPP	Atwell Island West Solar	CA	59414	AWCA	20.0	Solar Photovoltaic	SUN	PV
2015	5	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar 2	CA	59413	C2CA	19.8	Solar Photovoltaic	SUN	PV
2015	5	59393	Coronal Lost Hills, LLC	IPP	Coronal Lost Hills	CA	59638	CLH	20.0	Solar Photovoltaic	SUN	PV
2015	5	59288	Creswell Alligood Solar, LLC	IPP	Creswell Alligood Solar, LLC	NC	59548	CRES1	14.0	Solar Photovoltaic	SUN	PV
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0001	1.0	Conventional Hydroelectric	WAT	HY
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0002	1.0	Conventional Hydroelectric	WAT	HY
2015	5	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0003	1.0	Conventional Hydroelectric	WAT	HY
2015	5	57170	EDF Renewable Asset Holdings, Inc.	IPP	City of Corcoran Solar	CA	59087	GEN 1	11.0	Solar Photovoltaic	SUN	PV
2015	5	57170	EDF Renewable Asset Holdings, Inc.	IPP	Goose Lake Solar	CA	59086	GEN1	12.0	Solar Photovoltaic	SUN	PV
2015	5	57170	EDF Renewable Asset Holdings, Inc.	IPP	Longhorn Wind	TX	58772	GEN1	200.0	Onshore Wind Turbine	WND	WT
2015	5	59407	FLS Solar 230 (Warren)	IPP	FLS Solar 230 (Warren)	NC	59646	FLS1	4.8	Solar Photovoltaic	SUN	PV
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT1	155.7	Natural Gas Fired Combined Cycle	NG	CT
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT2	155.7	Natural Gas Fired Combined Cycle	NG	CT
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	ST1	129.6	Natural Gas Fired Combined Cycle	NG	CA
2015	5	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	ST2	129.6	Natural Gas Fired Combined Cycle	NG	CA
2015	5	59287	Laurel Capital Partners	IPP	DD Hay Road Solar 23 LLC	DE	59715	PV1	1.2	Solar Photovoltaic	SUN	PV
2015	5	59406	Mt. Olive Solar 1	IPP	Mt Olive Solar 1	NC	59645	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-3	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-4	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	5	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	STG-2	309.0	Natural Gas Fired Combined Cycle	NG	CA
2015	5	59183	Shafter Solar LLC	IPP	Shafter Solar LLC	CA	59408	1	20.0	Solar Photovoltaic	SUN	PV
2015	5	59638	SolNCPower5, LLC	IPP	SolNCPower5, LLC	NC	59857	BAT1	5.0	Solar Photovoltaic	SUN	PV
2015	5	17826	Springer Electric Coop, Inc	Electric Utility	Springer Solar 1	NM	59560	SPRG1	0.8	Solar Photovoltaic	SUN	PV
2015	5	59350	Stagecoach Solar	IPP	Stagecoach Solar	NC	59604	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	5	59457	Sun Harvest Solar, LLC	IPP	Sun Harvest Solar NDP1	CA	59687	NDP1	1.5	Solar Photovoltaic	SUN	PV
2015	5	59351	Vicksburg Solar	IPP	Vicksburg Solar	NC	59605	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	6	221	Alaska Village Elec Coop, Inc	Electric Utility	Noatak	AK	57051	5A	0.5	Petroleum Liquids	JF	IC
2015	6	59345	Colton Solar One, LLC	IPP	Colton Solar One, LLC	CA	59597	CS001	2.5	Solar Photovoltaic	SUN	PV
2015	6	4161	Constellation Power Source Gen	IPP	Perryman	MD	1556	GT6	109.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB1	3.3	Other Waste Biomass	OBG	GT
2015	6	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB2	3.3	Other Waste Biomass	OBG	GT
2015	6	59380	Enel Green Power NA, Inc.	IPP	Osage Wind, LLC	OK	58683	1	150.4	Onshore Wind Turbine	WND	WT

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	6	59745	First Solar Asset Management	IPP	Barilla Solar	TX	58710	BRLA	30.2	Solar Photovoltaic	SUN	PV
2015	6	59612	GES MegaOne LLC	IPP	Indy Grocers	IN	59834	INGRO	1.0	Solar Photovoltaic	SUN	PV
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	CTG1	183.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	STG2	126.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK1	189.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	59636	HP Hood LLC	Industrial	HP Hood CT	VA	59860	HHOOD	15.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	59433	Imperial Valley Solar Co (IVSC) 2, LLC	IPP	Imperial Valley Solar Co (IVSC) 2	CA	59657	IVSC2	20.0	Solar Photovoltaic	SUN	PV
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	7	642.0	Natural Gas Fired Combined Cycle	NG	CC
2015	6	58822	MC Power Companies Inc	IPP	Macon Solar Power Project	MO	59729	MSF1	2.8	Solar Photovoltaic	SUN	PV
2015	6	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	5	1.2	Other Waste Biomass	OBG	IC
2015	6	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	6	1.2	Other Waste Biomass	OBG	IC
2015	6	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF	15.5	Onshore Wind Turbine	WND	WT
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS11	52.6	Solar Photovoltaic	SUN	PV
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS14	32.2	Solar Photovoltaic	SUN	PV
2015	6	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS24	44.0	Solar Photovoltaic	SUN	PV
2015	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT2	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	56990	NJR Clean Energy Ventures Corporation	IPP	Harmony	NJ	59627	HRMNY	3.0	Solar Photovoltaic	SUN	PV
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9A	122.0	Conventional Hydroelectric	WAT	HY
2015	6	59042	Rising Tree Wind Farm III LLC	IPP	Rising Tree Wind Farm III	CA	59236	GEN1	99.0	Onshore Wind Turbine	WND	WT
2015	6	59202	SolNCPower1, LLC	IPP	Two Mile Solar	NC	59427	TMS1	5.0	Solar Photovoltaic	SUN	PV
2015	6	17650	Southern Power Co	IPP	North Star Solar	CA	58713	NSTR	62.5	Solar Photovoltaic	SUN	PV
2015	6	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch A	CA	58418	1	5.0	Solar Photovoltaic	SUN	PV
2015	6	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch B	CA	58419	1	5.0	Solar Photovoltaic	SUN	PV
2015	6	20214	Waverly Municipal Elec Utility	Electric Utility	Waverly Municipal Electric North Plant	IA	6554	17	1.8	Petroleum Liquids	DFO	IC
2015	6	20214	Waverly Municipal Elec Utility	Electric Utility	Waverly Municipal Electric North Plant	IA	6554	18	1.8	Petroleum Liquids	DFO	IC
2015	6	20214	Waverly Municipal Elec Utility	Electric Utility	Waverly Municipal Electric North Plant	IA	6554	19	1.8	Petroleum Liquids	DFO	IC
2015	6	20214	Waverly Municipal Elec Utility	Electric Utility	Waverly Municipal Electric North Plant	IA	6554	20	1.8	Petroleum Liquids	DFO	IC
2015	6	59332	Yadkin 601 Farm, LLC	IPP	Yadkin 601 Farm	NC	59587	PV1	3.0	Solar Photovoltaic	SUN	PV
2015	7	59652	Adams Community Solar Garden III LLC	IPP	Adams Community Solar Garden III LLC	CO	59850	23376	1.2	Solar Photovoltaic	SUN	PV
2015	7	59651	Adams Community Solar Garden LLC	IPP	Adams Community Solar Garden LLC	CO	59849	23377	1.2	Solar Photovoltaic	SUN	PV
2015	7	59212	Adelanto Solar II, LLC	IPP	Adelanto Solar II, LLC	CA	59440	SAS	7.0	Solar Photovoltaic	SUN	PV
2015	7	59674	Albertson Solar LLC	IPP	Albertson Solar LLC	NC	59901	ALBRT	5.0	Solar Photovoltaic	SUN	PV
2015	7	59711	Bakersfield 111 LLC	IPP	Bakersfield 111	CA	59948	BF111	1.4	Solar Photovoltaic	SUN	PV
2015	7	57365	Consolidated Edison Solutions Inc	IPP	Port Richmond WWT Solar	NY	58647	1	1.0	Solar Photovoltaic	SUN	PV
2015	7	58862	DC Water	Electric CHP	DC Water CHP	DC	59012	TURB3	3.3	Other Waste Biomass	OBG	GT
2015	7	57170	EDF Renewable Asset Holdings, Inc.	IPP	Catalina Solar 2, LLC	CA	59334	INV-1	18.0	Solar Photovoltaic	SUN	PV
2015	7	59381	EE Kettleman California LLC	IPP	Kettleman Solar -Centaurus	CA	59633	KS	20.0	Solar Photovoltaic	SUN	PV
2015	7	59276	ESA Four Oaks NC 1, LLC	IPP	4Oaks	NC	59534	4OAKS	5.0	Solar Photovoltaic	SUN	PV
2015	7	59277	ESA Princeton NC, LLC	IPP	Princeton	NC	59533	PRCTN	5.0	Solar Photovoltaic	SUN	PV
2015	7	59132	Faison Solar LLC	IPP	Faison Solar	NC	59333	FAIS1	2.0	Solar Photovoltaic	SUN	PV
2015	7	59155	First Wind O&M, LLC	IPP	Laho Solar Plant	UT	58602	LSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	59155	First Wind O&M, LLC	IPP	Milford Flat Solar Plant	UT	58601	MFSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	59209	Half Moon Ventures, LLC	IPP	Johnston Solar	RI	59858	JSI01	1.0	Solar Photovoltaic	SUN	PV
2015	7	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Tell City Solar Park	IN	59482	STELL	1.0	Solar Photovoltaic	SUN	PV
2015	7	12807	Michigan South Central Pwr Agy	Electric Utility	Coldwater Peaking Plant	MI	59467	GEN1	4.3	Natural Gas Internal Combustion Engine	NG	IC
2015	7	12807	Michigan South Central Pwr Agy	Electric Utility	Coldwater Peaking Plant	MI	59467	GEN2	4.3	Natural Gas Internal Combustion Engine	NG	IC
2015	7	12807	Michigan South Central Pwr Agy	Electric Utility	Coldwater Peaking Plant	MI	59467	GEN3	4.3	Natural Gas Internal Combustion Engine	NG	IC
2015	7	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF2	95.4	Onshore Wind Turbine	WND	WT
2015	7	59279	Nitro Solar, LLC	IPP	Nitro Solar	NC	59501	NITRO	5.0	Solar Photovoltaic	SUN	PV
2015	7	59650	Pikes Peak Solar Garden 1 LLC	IPP	Pikes Peak Solar Garden 1 LLC	CO	59848	PPSG1	2.0	Solar Photovoltaic	SUN	PV
2015	7	59706	Rattlesnake Den	IPP	Rattlesnake Den	TX	59943	1	207.2	Onshore Wind Turbine	WND	WT
2015	7	22142	Santa Cruz Cogeneration Assoc	Commercial	Univ of Calif Santa Cruz Cogeneration	CA	50064	003	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	7	59278	Sarah Solar, LLC	IPP	Sarah Solar	NC	59500	SARAH	5.0	Solar Photovoltaic	SUN	PV
2015	7	17445	Solid Waste Auth of Palm Beach	Electric Utility	Palm Beach Renewable Energy Facility#2	FL	57898	GEN2	85.0	Municipal Solid Waste	MSW	ST
2015	8	59353	AP North Lake I, LP	IPP	AP North Lake I, LP	CA	59610	APNLI	20.0	Solar Photovoltaic	SUN	PV
2015	8	58770	Balko Wind LLC	IPP	Balko Wind LLC	OK	58900	BAL1	299.7	Onshore Wind Turbine	WND	WT
2015	8	59382	Border Winds Energy, LLC	IPP	Border Winds Wind Farm	ND	59200	1	150.0	Onshore Wind Turbine	WND	WT
2015	8	59251	Brigham Young Univ Idaho	Commercial	BYUI Central Energy Facility	ID	59496	ST601	4.6	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	59604	Bulldog Energy Airport LLC	IPP	INDY III	IN	59823	INDY3	2.5	Solar Photovoltaic	SUN	PV
2015	8	57170	EDF Renewable Asset Holdings, Inc.	IPP	Pilot Hill Wind Farm	IL	58898	K4-1	175.0	Onshore Wind Turbine	WND	WT
2015	8	59155	First Wind O&M, LLC	IPP	Beryl Solar Plant	UT	58598	BSP1	3.0	Solar Photovoltaic	SUN	PV
2015	8	59155	First Wind O&M, LLC	IPP	Granite Peak Solar Plant	UT	58604	GPSP1	3.0	Solar Photovoltaic	SUN	PV
2015	8	59155	First Wind O&M, LLC	IPP	Route 66 Wind Plant	TX	58681	RT661	150.0	Onshore Wind Turbine	WND	WT
2015	8	59304	Foxfire Farm, LLC	IPP	Foxfire Solar Farm	NC	59563	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	8	6915	Galena Electric Utility	Electric Utility	Galena Electric Utility	AK	7437	2A	0.4	Petroleum Liquids	DFO	IC
2015	8	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Peru Solar Park	IN	59481	SPERU	3.0	Solar Photovoltaic	SUN	PV
2015	8	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	1	205.7	Onshore Wind Turbine	WND	WT
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG1	163.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG2	163.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	10071	Kauai Island Utility Cooperative	Electric Utility	KRS I Anahola Solar	HI	58639	ANAPV	12.0	Solar Photovoltaic	SUN	PV
2015	8	59354	LKL BLBD, LLC	IPP	LKL BLBD, LLC	FL	59611	LKLBB	6.0	Solar Photovoltaic	SUN	PV
2015	8	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK8	36.5	Solar Photovoltaic	SUN	PV
2015	8	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF3	84.3	Onshore Wind Turbine	WND	WT
2015	8	59394	NextEra Energy Resources Breckinridge	IPP	Breckinridge Wind Project LLC	OK	58994	BWP	98.8	Onshore Wind Turbine	WND	WT
2015	8	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	SLR1	2.5	Solar Photovoltaic	SUN	PV
2015	8	56545	Pattern Operators LP	IPP	Logans Gap Wind LLC	TX	59442	1	200.1	Onshore Wind Turbine	WND	WT
2015	8	59383	Pleasant Valley Wind, LLC	IPP	Pleasant Valley Wind Farm	MN	59201	1	200.0	Onshore Wind Turbine	WND	WT
2015	8	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	5	173.4	Natural Gas Fired Combined Cycle	NG	CT
2015	8	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	6	173.4	Natural Gas Fired Combined Cycle	NG	CT
2015	8	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	7	241.4	Natural Gas Fired Combined Cycle	NG	CA
2015	8	59146	Red Horse 2	IPP	Red Horse 2	AZ	58833	RH2S	51.0	Solar Photovoltaic	SUN	PV
2015	8	59146	Red Horse 2	IPP	Red Horse 2	AZ	58833	RH2W	30.0	Onshore Wind Turbine	WND	WT
2015	8	59589	Rockfish Solar LLC	IPP	Rockfish Solar LLC	MD	59811	GEN1	10.3	Solar Photovoltaic	SUN	PV
2015	8	59611	Royal Solar	IPP	Royal Solar	NC	59831	FLS1	4.9	Solar Photovoltaic	SUN	PV
2015	8	17164	Sierra Pacific Industries Inc	Industrial	SPI Anderson 2	CA	59658	GEN1	27.2	Wood/Wood Waste Biomass	WDS	ST
2015	8	59199	SolNCPower2, LLC	IPP	GKS Solar	NC	59426	GKS1	5.0	Solar Photovoltaic	SUN	PV
2015	8	59340	Stikeleather Farm, LLC	IPP	Stikeleather Farm	NC	59595	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	8	58658	Sunlight Partners	IPP	Melinda Solar	NC	59502	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	8	58658	Sunlight Partners	IPP	Porter Solar	NC	59504	PV1	5.0	Solar Photovoltaic	SUN	PV
2015	8	58661	Sustainable Power Group, LLC	IPP	SEPV Palmdale East	CA	59273	PALME	10.0	Solar Photovoltaic	SUN	PV
2015	8	59609	TWE Kinston Solar	IPP	Kinston Solar	NC	59832	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	8	59610	TWE Laurinburg Solar	IPP	Laurinburg Solar	NC	59833	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	8	59349	Walters Solar (FLS 260)	IPP	Walters Solar (FLS 260)	NC	59603	FLS1	5.0	Solar Photovoltaic	SUN	PV
2015	8	58716	Windsor Cooper Hill Solar, LLC	IPP	Windsor Cooper Hlill Solar, LLC	NC	58847	1	5.0	Solar Photovoltaic	SUN	PV
2015	9	59211	Adelanto Solar, LLC	IPP	Adelanto Solar, LLC	CA	59441	SAS	20.0	Solar Photovoltaic	SUN	PV
2015	9	803	Arizona Public Service Co	Electric Utility	SR85	AZ	59444	PV1	10.0	Solar Photovoltaic	SUN	PV
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	ESA Selma	NC	59956	GEN02	1.8	Solar Photovoltaic	SUN	PV
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	Morgan Lancaster 1	CA	59942	ML1	1.5	Solar Photovoltaic	SUN	PV
2015	9	59613	BayWa r.e. Solar Projects LLC	IPP	Newton Grove	NC	59835	GEN1	1.9	Solar Photovoltaic	SUN	PV
2015	9	1883	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC7	1.1	Petroleum Liquids	DFO	IC
2015	9	1883	Blue Earth Light & Water	Electric Utility	Blue Earth	MN	1967	IC8	1.8	Petroleum Liquids	DFO	IC
2015	9	5089	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	50932	72-04	1.4	Other Waste Biomass	OBG	IC
2015	9	5089	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	50932	72-05	1.4	Other Waste Biomass	OBG	IC
2015	9	57170	EDF Renewable Asset Holdings, Inc.	IPP	Spinning Spur Wind III	TX	58775	GEN1	194.0	Onshore Wind Turbine	WND	WT
2015	9	57389	IKEA Property Inc	Commercial	IKEA St. Louis 410	MO	59714	IK410	1.0	Solar Photovoltaic	SUN	PV
2015	9	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Crawfordsville Solar Park	IN	59483	SCRAW	3.0	Solar Photovoltaic	SUN	PV

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	9	59717	Joliet Battery Storage LLC	IPP	Jake Energy Storage Center	IL	59960	JBS	19.8	Batteries	MWH	BA
2015	9	59648	Lockheed Martin Solar System	IPP	Lockheed Martin Solar System	FL	59867	LMSOL	1.9	Solar Photovoltaic	SUN	PV
2015	9	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK4	31.4	Solar Photovoltaic	SUN	PV
2015	9	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF4	88.8	Onshore Wind Turbine	WND	WT
2015	9	56990	NJR Clean Energy Ventures Corporation	IPP	Hanover	NJ	59628	HNOVR	5.0	Solar Photovoltaic	SUN	PV
2015	9	57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	58079	GT-1	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	9	57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	58079	GT-2	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	9	57457	Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	58079	STG-1	285.0	Natural Gas Fired Combined Cycle	NG	CA
2015	9	58565	Saddleback Ridge Wind, LLC	IPP	Saddleback Ridge Wind Farm	ME	58608	SRW1	34.2	Onshore Wind Turbine	WND	WT
2015	9	59560	SunE Solar XVII Project 1, LLC	IPP	Fiddler's Canyon #1	UT	59787	FID1	3.0	Solar Photovoltaic	SUN	PV
2015	9	59561	SunE Solar XVII Project 2, LLC	IPP	Fiddler's Canyon #2	UT	59786	FID2	3.0	Solar Photovoltaic	SUN	PV
2015	9	58917	West Salisbury Farm LLC	IPP	West Salisbury Farm LLC	NC	59111	1	5.0	Solar Photovoltaic	SUN	PV

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	1	12986	Morton Salt Inc	Industrial	Morton Salt Rittman	OH	54335	GEN1	1.5	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	3	156.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST1	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST2	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST4	217.0	Conventional Steam Coal	BIT	ST
2015	3	3030	Cardinal Cogen Inc	Electric CHP	Cardinal Cogen	CA	10168	GTG1	42.1	Natural Gas Fired Combined Cycle	NG	CT
2015	3	3030	Cardinal Cogen Inc	Electric CHP	Cardinal Cogen	CA	10168	STG1	9.4	Natural Gas Fired Combined Cycle	NG	CA
2015	3	6204	City of Farmington - (NM)	Electric Utility	Animas	NM	2465	1	3.0	Natural Gas Fired Combined Cycle	NG	CA
2015	3	6204	City of Farmington - (NM)	Electric Utility	Animas	NM	2465	2	3.0	Natural Gas Fired Combined Cycle	NG	CA
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC1	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC2	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC3	2.0	Petroleum Liquids	DFO	IC
2015	3	1179	Emera Maine	Electric Utility	Medway	ME	1474	IC4	2.0	Petroleum Liquids	DFO	IC
2015	3	9267	Hoosier Energy R E C, Inc	Electric Utility	Frank E Ratts	IN	1043	1	110.0	Conventional Steam Coal	BIT	ST
2015	3	9267	Hoosier Energy R E C, Inc	Electric Utility	Frank E Ratts	IN	1043	2	100.0	Conventional Steam Coal	BIT	ST
2015	3	57450	Martin Midstream Partnership,LP	Industrial	Cross Oil Refining & Marketing, Inc	AR	58077	CROSS	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	1	37.4	Conventional Steam Coal	SUB	ST
2015	3	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	2	80.8	Conventional Steam Coal	SUB	ST
2015	3	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 2	0.5	Conventional Steam Coal	BIT	ST
2015	3	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 3	0.6	Conventional Steam Coal	BIT	ST
2015	3	15298	Talen Montana LLC	IPP	J E Corette Plant	MT	2187	1	153.0	Conventional Steam Coal	SUB	ST
2015	4	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	6	103.0	Conventional Steam Coal	BIT	ST
2015	4	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	7	104.0	Conventional Steam Coal	BIT	ST
2015	4	57279	California Portland Cement Co	Industrial	Colton Plant	CA	57907	1	14.3	Conventional Steam Coal	BIT	ST
2015	4	57279	California Portland Cement Co	Industrial	Colton Plant	CA	57907	2	14.3	Conventional Steam Coal	BIT	ST
2015	4	3522	Chugach Electric Assn Inc	Electric Utility	Beluga	AK	96	8	44.0	Natural Gas Fired Combined Cycle	NG	CA
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	3	1.8	Petroleum Liquids	DFO	IC
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	6	2.7	Petroleum Liquids	DFO	IC
2015	4	13971	City of Odessa - (MO)	Electric Utility	Odessa	MO	2148	IC4	0.8	Petroleum Liquids	DFO	IC
2015	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	A	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	4427	Covanta Projects LP	Commercial	Covanta Wallingford Energy	CT	50664	GEN1	8.4	Municipal Solid Waste	MSW	ST
2015	4	5109	DTE Electric Company	Electric Utility	Trenton Channel	MI	1745	8	100.0	Conventional Steam Coal	SUB	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	1	23.0	Conventional Steam Coal	BIT	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	2	23.0	Conventional Steam Coal	BIT	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Ashtabula	OH	2835	5	244.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	1	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	2	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	3	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	18	245.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	IC1	2.0	Petroleum Liquids	DFO	IC
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	IC2	2.0	Petroleum Liquids	DFO	IC
2015	4	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	1	266.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	3	509.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	4	507.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	1	43.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	2	79.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	1	97.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	2	103.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	3	111.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	4	133.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	5	135.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	1	46.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	2	46.0	Conventional Steam Coal	BIT	ST
2015	4	9205	Illinois Electricial Gen Partn	IPP	Brickyard Energy Partners LLC	IL	55762	BR1	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Brickyard Energy Partners LLC	IL	55762	BR2	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Brickyard Energy Partners LLC	IL	55762	BR3	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Brickyard Energy Partners LLC	IL	55762	BR5	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Roxana Resource Recovery	IL	55759	RX1	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Roxana Resource Recovery	IL	55759	RX2	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Roxana Resource Recovery	IL	55759	RX3	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Roxana Resource Recovery	IL	55759	RX4	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Upper Rock Energy Partners LLC	IL	55764	UR1	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Upper Rock Energy Partners LLC	IL	55764	UR2	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Upper Rock Energy Partners LLC	IL	55764	UR3	0.9	Landfill Gas	LFG	IC
2015	4	9205	Illinois Electricial Gen Partn	IPP	Upper Rock Energy Partners LLC	IL	55764	UR4	0.9	Landfill Gas	LFG	IC
2015	4	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	6	240.0	Conventional Steam Coal	BIT	ST
2015	4	12384	Midwest Generations EME LLC	IPP	Will County	IL	884	3	251.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	3	79.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	4	153.0	Conventional Steam Coal	SUB	ST
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	1	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	2	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	3	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	4	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	14354	PacifiCorp	Electric Utility	Carbon	UT	3644	1	67.0	Conventional Steam Coal	BIT	ST
2015	4	14354	PacifiCorp	Electric Utility	Carbon	UT	3644	2	105.0	Conventional Steam Coal	BIT	ST
2015	4	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	E3	0.8	Other Waste Biomass	OBG	IC
2015	4	1951	White Pine Electric Power LLC	IPP	White Pine Electric Power	MI	10148	GEN2	18.0	Natural Gas Steam Turbine	NG	ST
2015	4	21148	Zapco Energy Tactics Corp	IPP	Oceanside Energy	NY	50348	OS3	0.6	Landfill Gas	LFG	IC
2015	5	58620	AEP Generation Resources Inc	IPP	Kammer	WV	3947	1	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Kammer	WV	3947	2	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Kammer	WV	3947	3	200.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	1	190.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	2	190.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	3	205.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	4	205.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Muskingum River	OH	2872	5	585.0	Conventional Steam Coal	BIT	ST
2015	5	58620	AEP Generation Resources Inc	IPP	Picway	OH	2843	5	95.0	Conventional Steam Coal	BIT	ST
2015	5	142	AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN2	32.0	Conventional Steam Coal	BIT	ST
2015	5	142	AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN3	114.0	Conventional Steam Coal	BIT	ST
2015	5	12647	ALLETE, Inc.	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN3	83.6	Conventional Steam Coal	SUB	ST
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Cedar Station	NJ	2380	CED1	42.7	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Cedar Station	NJ	2380	CED2	22.7	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID1	19.2	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID2	19.4	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Middle Station	NJ	2382	MID3	34.8	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISB	18.5	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISC	20.5	Petroleum Liquids	KER	GT
2015	5	56606	Calpine New Jersey Generation LLC	IPP	Missouri Avenue	NJ	2383	MISD	20.5	Petroleum Liquids	KER	GT
2015	5	19804	City of Vero Beach - (FL)	Electric Utility	Vero Beach Municipal Power Plant	FL	693	4	56.0	Natural Gas Steam Turbine	NG	ST
2015	5	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	1	54.0	Natural Gas Steam Turbine	NG	ST
2015	5	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	2	65.0	Natural Gas Steam Turbine	NG	ST
2015	5	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	3	68.0	Natural Gas Steam Turbine	NG	ST
2015	5	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	A	13.0	Petroleum Liquids	DFO	GT
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	1	1.5	Petroleum Liquids	DFO	IC
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	2	1.5	Petroleum Liquids	DFO	IC
2015	5	9413	Iowa Methodist Medical Center	Commercial	Iowa Methodist Medical Center	IA	10655	3	0.5	Petroleum Liquids	DFO	IC
2015	5	9788	John Deere Harvester Works Co	Industrial	John Deere Harvester Works	IL	10039	GEN7	0.8	Conventional Steam Coal	BIT	ST

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	5	22053	Kentucky Power Co	Electric Utility	Big Sandy	KY	1353	2	800.0	Conventional Steam Coal	BIT	ST
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	121	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	122	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	123	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	124	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	58544	Sierra Nevada Brewing Co	Industrial	Sierra Nevada Brewing Co	CA	58585	FCE	1.0	Other Natural Gas	NG	FC
2015	6	2647	City of Butler - (MO)	Electric Utility	Butler	MO	2115	3	0.6	Petroleum Liquids	DFO	IC
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	1	58.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	2	55.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	3	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	5	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	6	63.0	Conventional Steam Coal	BIT	ST
2015	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	8	54.0	Conventional Steam Coal	SUB	ST
2015	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	9	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	2	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	3	200.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	4	500.0	Conventional Steam Coal	BIT	ST
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	4	155.0	Conventional Steam Coal	BIT	ST
2015	6	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	5	168.0	Conventional Steam Coal	BIT	ST
2015	6	15147	PSEG Fossil LLC	IPP	Bergen Generating Station	NJ	2398	3	21.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	111	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	112	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	113	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	114	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	8	22.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	11	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	12	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	13	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	14	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	21	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	22	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	23	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	24	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	31	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	32	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	33	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	34	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	101	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	102	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	103	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	104	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	111	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	112	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	113	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	114	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Mercer Generating Station	NJ	2408	3	115.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG National Park Generating Station	NJ	2409	1	21.0	Petroleum Liquids	KER	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	6	105.0	Petroleum Liquids	KER	GT
2015	6	57427	RockTenn-Battle Creek Mill	Industrial	Battle Creek Mill	MI	58052	2TG	0.8	Natural Gas Steam Turbine	NG	ST
2015	6	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	1	11.5	Natural Gas Steam Turbine	NG	ST
2015	6	20860	Wisconsin Public Service Corp	Electric Utility	Pulliam	WI	4072	5	47.7	Conventional Steam Coal	SUB	ST
2015	6	20860	Wisconsin Public Service Corp	Electric Utility	Pulliam	WI	4072	6	69.8	Conventional Steam Coal	SUB	ST
2015	6	20860	Wisconsin Public Service Corp	Electric Utility	Weston	WI	4078	1	50.7	Conventional Steam Coal	SUB	ST
2015	7	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P3	53.0	Petroleum Liquids	DFO	GT
2015	7	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	1	76.0	Natural Gas Steam Turbine	NG	ST
2015	7	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	2	76.0	Natural Gas Steam Turbine	NG	ST
2015	8	221	Alaska Village Elec Coop, Inc	Electric Utility	Noatak	AK	57051	UNIT5	0.4	Petroleum Liquids	JF	IC
2015	8	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	UNIT1	0.5	Petroleum Liquids	JF	IC
2015	8	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	UNIT2	0.3	Petroleum Liquids	JF	IC
2015	8	221	Alaska Village Elec Coop, Inc	Electric Utility	St. Michael	AK	57061	UNIT3	0.2	Petroleum Liquids	JF	IC
2015	8	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	1	2.0	Petroleum Liquids	DFO	IC
2015	8	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	2	2.0	Petroleum Liquids	DFO	IC
2015	8	13781	Northern States Power Co - Minnesota	Electric Utility	Alliant Techsystems	MN	7376	1	1.6	Petroleum Liquids	DFO	IC
2015	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6	103.8	Conventional Hydroelectric	WAT	HY
2015	8	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	3	152.0	Conventional Steam Coal	BIT	ST
2015	8	56774	S Montana Elec Gen and Trans Coop Inc	Electric Utility	Highwood Generating Station	MT	57480	GTG1	40.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	59667	NAVFAC Midlant PWD Great Lakes	Electric CHP	Great Lakes Central Power Plant	IL	59884	GTG-1	4.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	59667	NAVFAC Midlant PWD Great Lakes	Electric CHP	Great Lakes Central Power Plant	IL	59884	GTG-2	4.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	59667	NAVFAC Midlant PWD Great Lakes	IPP	Great Lakes Central Power Plant	IL	59884	STG-1	0.5	All Other	OTH	ST
2015	9	59667	NAVFAC Midlant PWD Great Lakes	IPP	Great Lakes Central Power Plant	IL	59884	STG-2	0.5	All Other	OTH	ST
2015	9	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	8	465.0	Conventional Steam Coal	BIT	ST

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2015	10	59712	AES Tait LLC	IPP	AES Warrior Run Energy Storage Project	MD	59949	BESS1	11.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	11.0
2015	10	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG1	22.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	22.0
2015	10	58703	Apple One LLC	IPP	Apple One	NC	58828	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	59694	BG Stewart Solar Farm LLC	IPP	BG Stewart Solar Farm, LLC	NC	59930	NB005	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	59476	BRE NC Solar, LLC	IPP	BRE	NC	59706	NB005	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	59613	BayWa r.e. Solar Projects LLC	IPP	ESA Smithfield	NC	59955	GEN01	1.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.8
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN 6	40.0	Wood/Wood Waste Biomass	BLQ	ST	(U) Under construction, less than or equal to 50 percent complete	52.3
2015	10	59503	Capital Dynamics	IPP	Briscoe Wind Farm	TX	59734	BFW	150.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	150.0
2015	10	59503	Capital Dynamics	IPP	Green Pastures Wind II	TX	59733	GPII	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2015	10	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	2	35.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	35.0
2015	10	19856	City of Vineland - (NJ)	Electric Utility	Clayville	NJ	58235	1	63.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	73.0
2015	10	20069	City of Wamego - (KS)	Electric Utility	Wamego	KS	1328	10	2.9	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	3.2
2015	10	59736	Columbia Solar Energy LLC	IPP	Columbia Solar Energy, LLC	CA	59979	GEN1	19.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	19.2
2015	10	59206	Downs Farm Solar, LLC	IPP	Downs Farm Solar	NC	59429	DOWN1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	58970	Ecoplexus, Inc	IPP	Shawboro PV1	NC	59155	SHAW1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	10	59533	Facile Solar LLC	IPP	Loy Farm Solar	NC	59406	SYS1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2015	10	59155	First Wind O&M, LLC	IPP	Buckhorn Solar Plant	UT	58600	BSP1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2015	10	59155	First Wind O&M, LLC	IPP	Cedar Valley Solar Plant	UT	58599	CVSP1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2015	10	59155	First Wind O&M, LLC	IPP	Greenville Solar Plant	UT	58603	GVSP1	2.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.2
2015	10	59155	First Wind O&M, LLC	IPP	Oakfield Wind Project	ME	57002	1	148.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	148.0
2015	10	59729	Golden West Power Partners, LLC	IPP	Golden West Power Partners LLC	CO	59974	GW1	250.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	250.0
2015	10	9267	Hoosier Energy R E C, Inc	Electric Utility	New Castle Solar RES	IN	59981	PV1	1.1	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.1
2015	10	9267	Hoosier Energy R E C, Inc	Electric Utility	Scotland Solar RES	IN	59982	PV1	1.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.1
2015	10	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Pendleton Solar Park	IN	59770	SPEND	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2015	10	58679	Kirkwall Holdings, LLC	IPP	Kirkwall Holdings	NC	58791	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN1	4.4	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.6
2015	10	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN2	4.4	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.6
2015	10	58638	Lenape Solar II, LLC	IPP	Lenape II	IN	58703	1	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2015	10	11208	Los Angeles Department of Water & Power	IPP	Colon PV	CA	59798	W4172	1.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.3
2015	10	58985	Marion Solar LLC	IPP	Marion Solar LNG	IN	59180	PV1	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2015	10	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF5	88.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	93.8
2015	10	58477	O2energies, Inc.	IPP	Montgomery Solar LLC	NC	58649	1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	10	14395	Palm Springs City of	Commercial	Municipal Cogen Plant	CA	50674	GEN1A	1.2	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	1.2
2015	10	59188	Pleasant Hill Wind Energy LLC	IPP	Pleasant Hill Wind Energy Project	TX	59417	WT1	20.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	20.0
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	4.4
2015	10	58872	Shannon Wind LLC	IPP	Shannon Wind	TX	59034	SHAN1	204.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	204.0
2015	10	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK1	26.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	26.4
2015	10	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK2	27.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	27.9
2015	10	59637	SolNCPower6, LLC	IPP	SolNCPower6, LLC	NC	59856	SUN1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2015	10	58674	Sonne One, LLC	IPP	Sonne One	NC	58782	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	59695	SunE Solar XVII Project 3, LLC	IPP	Fiddler's Canyon 3	UT	59932	FID3	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2015	10	59139	SunEdison LLC	IPP	SunE- E Philadelphia Ontario	CA	59916	12307	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2015	10	58658	Sunlight Partners	IPP	Eliana Solar	NC	58725	PV1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2015	10	18260	Surprise Valley Electrification	Electric Utility	Paisley Geothermal Generating Plant	OR	59382	SVEP1	1.8	Geothermal	GEO	ST	(TS) Construction complete, but not yet in commercial operation	3.7
2015	10	58661	Sustainable Power Group, LLC	IPP	Redcrest Solar Farm	CA	58831	PV-1	16.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	16.6
2015	10	58661	Sustainable Power Group, LLC	IPP	Spring Hill Road	MA	59839	SHRD1	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9
2015	10	58661	Sustainable Power Group, LLC	IPP	Sterlington Greenworks LLC	NY	59275	STERG	1.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.3
2015	10	58661	Sustainable Power Group, LLC	IPP	Sutter Greeworks LLC	NY	59274	SUTTG	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	10	59519	TerraForm Solar XVII, LLC	IPP	RGS-Rutland VNM SREC II Project (MA)	MA	59777	1	2.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.6
2015	10	58826	Thunder Spirit Wind, LLC	IPP	Thunder Spirit Wind, LLC	ND	58965	THNDR	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2015	10	59718	West Chicago Battery Storage LLC	IPP	Elwood Energy Storage Center	IL	59959	WCBS	19.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	19.8
2015	11	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5A	0.8	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.8
2015	11	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG1	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3
2015	11	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG2	22.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	22.0
2015	11	57369	Apple, Inc	Commercial	Apple Data Center PV3	NC	59474	DCPV3	17.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	17.5
2015	11	59039	Arbuckle Mountain Wind Farm LLC	IPP	Arbuckle Mountain Wind Farm LLC	OK	59234	GEN1	100.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	100.0
2015	11	58981	Bethel Solar LLC	IPP	Bethel Solar	NC	59173	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 1	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 2	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 3	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 5	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 6	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 7	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 8	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 9	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN10	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN11	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN12	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN4	0.2	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.2
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN1	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN10	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN11	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN12	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN2	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN3	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN4	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN5	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN6	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN7	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN8	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN9	0.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	0.1
2015	11	59730	Carousel Wind Farm, LLC	IPP	Carousel Wind Farm LLC	CO	59975	CW1	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2015	11	3046	Duke Energy Progress - (NC)	Electric Utility	DD Fayetteville Solar NC LLC	NC	59117	PV1	23.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	23.1
2015	11	59380	Enel Green Power NA, Inc.	IPP	Goodwell Wind Project LLC	OK	58998	GWWP	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	11	58962	Fair Wind Power Partners	IPP	Fair Wind Power	MD	59147	1	30.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	30.0
2015	11	59155	First Wind O&M, LLC	IPP	South Plains Wind Phase I	TX	59384	1	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2015	11	58873	Green Energy Team LLC	IPP	Biomass to Energy Facility, Kauai	HI	59035	MKA1	8.3	Other Waste Biomass	AB	ST	(V) Under construction, more than 50 percent complete	9.3
2015	11	9267	Hoosier Energy R E C, Inc	Electric Utility	Lanesville Solar RES	IN	59984	PV1	1.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.1
2015	11	59227	Kay Wind LLC	IPP	Kay Wind, LLC	OK	59460	KNG1	299.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	299.0
2015	11	26253	Louisiana Energy & Power Authority	Electric Utility	LEPA Unit No. 1	LA	58478	LEPA1	59.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	64.0
2015	11	58985	Marion Solar LLC	IPP	Belmont	IN	59172	PV1	3.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.8
2015	11	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK5	31.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	31.4
2015	11	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK6	26.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	26.9
2015	11	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN3	1.0	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	1.0
2015	11	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN4	0.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	0.3
2015	11	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF6	88.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	93.8
2015	11	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	2	9.1	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2015	11	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	3	9.1	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2015	11	56990	NJR Clean Energy Ventures Corporation	IPP	Alexander Wind Farm LLC	KS	58666	1	48.3	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	48.3
2015	11	58589	Orbit Energy Charlotte	IPP	Orbit Energy Charlotte	NC	58638	1	5.2	Other Waste Biomass	OBG	ST	(U) Under construction, less than or equal to 50 percent complete	5.2
2015	11	59222	Qualcomm Incorporated	Commercial	P Plant	CA	59456	P- TG5	4.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.6
2015	11	59274	SR Hazlehurst, LLC	IPP	SR Hazlehurst	GA	59535	HAZLE	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	11	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK3	37.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	37.2
2015	11	17609	Southern California Edison Co	Electric Utility	Tehachapi Energy Storage Project	CA	59661	TSP1	8.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	8.0
2015	11	59716	SunE DB24 LLC	IPP	Milford 2	UT	59958	MIL2	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2015	11	58661	Sustainable Power Group, LLC	IPP	Hayworth Solar	CA	59009	PV1	27.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	27.0
2015	11	58661	Sustainable Power Group, LLC	IPP	SEPV 18	CA	59730	SPV18	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2015	11	58661	Sustainable Power Group, LLC	IPP	Sierra Solar Greenworks	CA	59431	SSG1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	11	58661	Sustainable Power Group, LLC	IPP	Woodmere Solar Farm	CA	59008	PV1	15.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.0
2015	11	56641	Tonopah Solar Energy LLC	IPP	Crescent Dunes Solar Energy	NV	57275	TSE 1	110.0	Solar Thermal with Energy Storage	SUN	CP	(V) Under construction, more than 50 percent complete	125.0
2015	11	59598	Tooele Army Depot	IPP	Tooele Wind Turbine	UT	59817	GEN03	1.7	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	1.7
2015	11	56918	University of California San Diego	Commercial	University of California San Diego	CA	57584	BS1	2.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.5
2015	12	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG2	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3
2015	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV1	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2015	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV2	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2015	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV3	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2015	12	58694	Argand Energy Solutions, LLC	IPP	Kenansville Solar 2, LLC	NC	58803	INV4	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2015	12	59247	Bearford Solar II LLC	IPP	Bearford Solar II	NC	59488	BEARF	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2015	12	58562	Blueberry One, LLC	IPP	Blueberry One	NC	58605	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58939	Cameron Wind 1 LLC	IPP	Cameron Wind 1 LLC	TX	59118	CAM1	165.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	165.0
2015	12	59365	Capital Power Corporation	IPP	Beaufort Solar, LLC	NC	59887	GEN	15.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	15.0
2015	12	58508	Carolina Solar Energy II LLC	IPP	Green Farm	NC	59148	GREEN	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58508	Carolina Solar Energy II LLC	IPP	Simons Farm	NC	59149	SIMON	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	1	35.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	35.0
2015	12	59693	Cline Solar Farm LLC	IPP	Cline Solar Farm, LLC	NC	59929	NB007	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59692	Coats Solar Farm LLC	IPP	Coats Solar Farm, LLC	NC	59937	NB006	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59261	Colonial Eagle Solar, LLC	IPP	Kelford	NC	59527	KELF1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	59261	Colonial Eagle Solar, LLC	IPP	Whitakers	NC	59526	WHIT1	12.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12.0
2015	12	59707	Conetoe II Solar, LLC	IPP	Conetoe II Solar, LLC	NC	59944	CONE1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2015	12	56769	Consolidated Edison Development Inc.	IPP	Campbell County Wind Farm	SD	59655	CCWF1	97.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	97.8
2015	12	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar 3	CA	59900	C3CA	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	57365	Consolidated Edison Solutions Inc	IPP	Future Generation Wind	MA	59622	FGMA	7.9	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	8.0
2015	12	58695	Coronal Development Services	IPP	Cornwall Solar Center, LLC	NC	59663	CSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Coronal Development Services	IPP	Crestwood Solar Center LLC	NC	59914	CREST	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Coronal Development Services	IPP	Freemont Solar Center LLC	NC	59912	FREE	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	12	58695	Coronal Development Services	IPP	Harrell's Hill Solar Center LLC	NC	59337	HHS1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58695	Coronal Development Services	IPP	Highland Solar Center LLC	NC	59163	HSC 1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58695	Coronal Development Services	IPP	Holdrege Solar Center	NE	59713	HDSC	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015	12	58695	Coronal Development Services	IPP	Lake Solar Center LLC	NC	59161	LSC 1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Coronal Development Services	IPP	Littlefield Solar Center LLC	NC	58809	LSC1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58695	Coronal Development Services	IPP	Mariposa Solar Center LLC	NC	59162	MSC 1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015	12	58695	Coronal Development Services	IPP	Mason Solar Center LLC	NC	59165	MSC 1	15.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.3
2015	12	59464	Current Energy Group	IPP	Aspen Solar, LLC	NC	59694	GEN1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	12	59464	Current Energy Group	IPP	Balsam	NC	59828	5375	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59464	Current Energy Group	IPP	Sweetgum Solar	NC	59824	5732	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58468	Dominion Renewable Energy	IPP	Pavant Solar, LLC	UT	59702	1	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2015	12	58468	Dominion Renewable Energy	IPP	Richland Solar Center	GA	59874	PV1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	12	6455	Duke Energy Florida, Inc	Electric Utility	Central Florida Solar Facility	FL	59973	XXXXX	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.9
2015	12	3046	Duke Energy Progress - (NC)	Electric Utility	Camp Lejeune Solar	NC	59966	PV1	12.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12.8
2015	12	3046	Duke Energy Progress - (NC)	Electric Utility	Elm City Solar Facility	NC	59164	NSC 1	40.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	40.0
2015	12	3046	Duke Energy Progress - (NC)	Electric Utility	Warsaw Farm	NC	58848	1	65.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	65.0
2015	12	57170	EDF Renewable Asset Holdings, Inc.	IPP	Roosevelt County	NM	58771	GEN1	250.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	250.0
2015	12	57170	EDF Renewable Asset Holdings, Inc.	IPP	Slate Creek Wind Project LLC	KS	59837	GEN1	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2015	12	58970	Ecoplexus, Inc	IPP	Bradley PV1	NC	59154	BRAD1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58970	Ecoplexus, Inc	IPP	Little River PV 1	NC	59521	LTLRV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58970	Ecoplexus, Inc	IPP	Old Catawba PV 1	NC	59519	OLDC	3.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.5
2015	12	58970	Ecoplexus, Inc	IPP	Ouchchy PV1	NC	59999	OUCH1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58970	Ecoplexus, Inc	IPP	Thornton PV1	NC	59152	THOR1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58970	Ecoplexus, Inc	IPP	Watson Seed Farm PV1	NC	59153	WAT1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	57414	Eli Lilly and Company	Industrial	Lilly Technical Center	IN	58043	5	1.0	All Other	PUR	ST	(OT) Other	1.0
2015	12	59380	Enel Green Power NA, Inc.	IPP	Little Elk Wind Project LLC	OK	58999	LEWP	74.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	74.0
2015	12	59380	Enel Green Power NA, Inc.	IPP	Odell Wind Farm	MN	58657	1	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2015	12	59735	Enerparc CA2, LLC	IPP	Enerparc CA2, LLC	CA	59978	ECA22	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2015	12	59745	First Solar Asset Management	IPP	Kingbird Solar LLC	CA	59868	GEN01	40.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	40.0
2015	12	6452	Florida Power & Light Co	Electric Utility	Daytona International Speedway Solar	FL	60005	1	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2015	12	6452	Florida Power & Light Co	Electric Utility	FIU Solar	FL	60006	1	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2015	12	59742	GASNA 31P LLC	IPP	Morelos del Sol	CA	60007	MORLS	15.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.0
2015	12	7353	Golden Valley Elec Assn Inc	Electric Utility	Healy	AK	6288	2	50.0	Conventional Steam Coal	LIG	ST	(TS) Construction complete, but not yet in commercial operation	50.0
2015	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP1	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2015	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP2	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2015	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP3	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2015	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP4	2.5	Other Waste Biomass	OBL	IC	(V) Under construction, more than 50 percent complete	2.5
2015	12	58576	Holstein Holdings, LLC	IPP	Holstein Plant	NC	58623	PV1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	12	9267	Hoosier Energy R E C, Inc	Electric Utility	New Haven Solar RES	IN	59983	PV1	1.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.1
2015	12	15399	Iberdrola Renewables Inc	IPP	El Cabo Wind	NM	58098	1	298.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	298.0
2015	12	9324	Indiana Michigan Power Co	Electric Utility	Deer Creek PV	IN	59855	DCPV1	2.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.5
2015	12	59245	Lanier Solar	IPP	Lanier Solar	NC	59486	LANIE	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Maclay Solar Project	CA	57308	1	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.2
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	4	212.2	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	212.2
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	5	118.9	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	118.9
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	6	89.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	89.0
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	7	89.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	89.0
2015	12	59341	Maricopa West Solar PV, LLC	IPP	Maricopa West Solar	CA	59607	MWS	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2015	12	59691	Meadowbrook Solar Farm LLC	IPP	Meadowbrook Solar Farm	NC	59936	NB008	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	12341	MidAmerican Energy Co	Electric Utility	Adams Wind	IA	59637	ADWF	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	153.4
2015	12	12341	MidAmerican Energy Co	Electric Utility	Highland Wind Project (IA)	IA	58883	HLWF7	8.9	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	9.4
2015	12	59322	Misenheimer Farm, LLC	IPP	Misenheimer Farm	NC	59577	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59262	NRG Solar Oasis, LLC	IPP	NRG Solar Oasis LLC	CA	59528	OASIS	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	58718	Na Pua Makani Power Partners LLC	IPP	Na Pua Makani Wind Project	HI	58837	WT1	25.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	25.0
2015	12	13407	Nevada Power Co	Electric Utility	Nellis Solar PV II	NV	59919	NSPV2	15.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	15.0
2015	12	55868	Noble Wind Operations LLC	IPP	Noble Bellmont Windpark LLC	NY	56903	1	21.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	21.0
2015	12	58477	O2energies, Inc.	IPP	Gates Solar LLC	NC	58673	GATES	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2015	12	58477	O2energies, Inc.	IPP	Yadkinville Solar	NC	59950	YAK	3.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.5
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG1	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG10	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG2	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG3	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG4	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG5	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG6	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG7	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG8	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	40229	Old Dominion Electric Coop	Electric Utility	Monterey Diesel Generation Facility	VA	59614	MDG9	0.6	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	0.6
2015	12	59143	Old Mill Solar	IPP	Old Mill Solar	OR	59374	OMSLR	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58417	Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58420	GEN1	382.5	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	435.0
2015	12	59016	Passadumkeag Windpark LLC	IPP	Passadumkeag Windpark LLC	ME	59222	Q357	39.9	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	39.9
2015	12	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58284	0001	40.2	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	42.3
2015	12	15477	Public Service Elec & Gas Co	Electric Utility	L&D Landfill Solar	NJ	59601	L&D	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2015	12	59514	River Mountains Solar, LLC	IPP	River Mountains Solar	NV	59747	1	14.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	14.4
2015	12	59710	SR Camden, LLC	IPP	SR Camden	AR	59947	AERO	12.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	12.0
2015	12	59428	Sendero Wind Energy, LLC	IPP	Sendero Wind Energy	TX	59654	1	78.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	78.0
2015	12	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK4	35.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.7
2015	12	59744	Solar Star Colorado III, LLC	IPP	Hooper Solar	CO	60008	SCCO3	52.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	52.0
2015	12	17650	Southern Power Co	IPP	Butler Solar Farm 20	GA	59891	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2015	12	17650	Southern Power Co	IPP	Decatur County Solar Project	GA	59449	DCSP1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	12	17650	Southern Power Co	IPP	Decatur Parkway Solar Project, LLC	GA	59450	DPSP1	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2015	12	17650	Southern Power Co	IPP	Pawpaw Solar Plant	GA	59894	1	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2015	12	58658	Sunlight Partners	IPP	Amethyst Solar	NC	58730	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Andrew Solar	NC	59497	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Angel Solar	NC	58731	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Audrey Solar	NC	58732	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Beetle Solar	NC	59511	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Buddy Solar	NC	58735	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Candace Solar	NC	59499	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Carol Jean Solar	NC	59017	GEN 1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Charlotte Solar	NC	58722	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Chei Solar	NC	59508	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Flash Solar	NC	58726	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Happy Solar	NC	59512	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Husky Solar	NC	59510	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Jacob Solar	NC	59503	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Kenneth Solar	NC	59507	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Milo Solar	NC	58739	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Minnie Solar	NC	58740	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Murdock Solar	NC	59509	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Owen Solar	NC	58742	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Quincy Solar	NC	59506	PV1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2015	12	58658	Sunlight Partners	IPP	Shadow Solar	NC	58744	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2015	12	58658	Sunlight Partners	IPP	Sophie Solar	NC	58745	PV1	4.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.5
2015	12	58658	Sunlight Partners	IPP	Star Solar	NC	58746	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Sun Devil Solar	NC	59505	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58658	Sunlight Partners	IPP	Tracy Solar	NC	59498	PV1	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2015	12	58661	Sustainable Power Group, LLC	IPP	Citizen B	CA	59738	CSB	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	58661	Sustainable Power Group, LLC	IPP	Latigo Wind Park	UT	59965	LTIGO	62.1	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	62.1
2015	12	58661	Sustainable Power Group, LLC	IPP	Leavenworth Greenworks LLC	NY	59276	LEAVG	9.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.5
2015	12	58661	Sustainable Power Group, LLC	IPP	Sandstone Solar	AZ	59634	SNDST	45.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	45.0
2015	12	59570	TWE Kelford Solar Project, LLC	IPP	Kelford	NC	59796	FLS1	4.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	18454	Tampa Electric Co	Electric Utility	TIA Solar	FL	59769	1	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2015	12	18642	Tennessee Valley Authority	Electric Utility	Watts Bar Nuclear Plant	TN	7722	2	1,122.0	Nuclear	NUC	ST	(V) Under construction, more than 50 percent complete	1,269.9
2015	12	58602	Utah Red Hills Renewable Energy Park LLC	IPP	Utah Red Hills Renewable Energy Park	UT	58660	1	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2015	12	59690	Vance Solar Farm LLC	IPP	Vance Solar Farm, LLC	NC	59928	NB007	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	19876	Virginia Electric & Power Co	Electric Utility	Merck	VA	59905	1	2.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.1
2015	12	19876	Virginia Electric & Power Co	Electric Utility	Western Branch High School	VA	59904	1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2015	12	56948	Waverly Wind Farm LLC	IPP	Waverly Wind Farm LLC	KS	57614	GEN1	199.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	199.0
2015	12	58984	Winton Solar LLC	IPP	Winton Solar	NC	59177	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015	12	59330	Wommack Farm, LLC	IPP	Wommack Farm	NC	59585	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	1	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG3	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29.3
2016	1	59474	BQ Energy LLC	IPP	Steel Sun	NY	59705	SSUN2	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2016	1	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT001	240.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	240.0
2016	1	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT002	240.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	240.0
2016	1	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	ST001	315.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	315.0
2016	1	57170	EDF Renewable Asset Holdings, Inc.	IPP	Milo Wind Project LLC	NM	59838	GEN1	50.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	50.0
2016	1	58880	Gallegos Wind Farm LLC	IPP	Gallegos Wind Farm, Phase 1	NM	59047	GEN 1	180.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	180.0
2016	1	4361	Ingredion Inc - Stockton	Industrial	Ingredion Stockton	CA	52115	GEN2	6.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	7.2
2016	1	56545	Pattern Operators LP	IPP	Fowler Ridge IV Wind Farm LLC	IN	59547	1	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2016	1	59491	Seville Solar One LLC	IPP	Seville 1	CA	59722	SEV1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2016	1	58814	Sibley Wind Substation LLC	IPP	Sibley Wind	MN	58950	SW-1	19.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	19.5
2016	1	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK5	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2016	1	59138	SunPower Corporation, Systems	IPP	Quinto Solar PV Project	CA	59339	SSC13	105.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	108.0
2016	1	57249	Suncook Energy LLC	IPP	Nashua Plant	NH	55006	UNT3	1.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2016	1	19876	Virginia Electric & Power Co	Electric Utility	Philip Morris	VA	59911	1	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN01	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN02	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN03	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN04	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN05	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN06	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN07	3.4	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	3.4
2016	2	57260	CSOLAR IV West LLC	IPP	Imperial Solar Energy Center West	CA	57491	56819	148.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	148.7
2016	2	6455	Duke Energy Florida, Inc	Electric Utility	Osceola Solar Facility	FL	59954	XXXXX	3.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.8
2016	2	59759	Grant Wind, LLC	IPP	Grant Wind, LLC	OK	60013	GRANT	151.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	151.8
2016	2	58773	Kingfisher Wind LLC	IPP	Kingfisher Wind LLC	OK	58902	KNG1	298.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	298.0
2016	2	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK7	41.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	41.9
2016	2	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	10	9.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	2	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	11	9.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	2	12524	Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	12	9.2	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2016	2	58417	Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58420	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	435.0
2016	2	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK6	36.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	36.6
2016	2	58982	Woodland Solar LLC	IPP	Woodland Solar	NC	59175	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	3	58603	Aloha Solar Energy Fund I LLC	IPP	Aloha Solar Energy Fund 1 PK1	HI	58659	PK-1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	3	58871	Citizens Enterprises Corporation	IPP	Hunt Road Solar	MA	59927	PV1	4.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.5
2016	3	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	3	35.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	35.0
2016	3	58468	Dominion Renewable Energy	IPP	Marin Carport	CA	59703	1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2016	3	59402	Garysburg Solar LLC	IPP	Garysburg Solar	NC	59641	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	3	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	1	41.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	41.9
2016	3	9436	Mosaic Phosphates Co.	Industrial	Mosaic Phosphates Uncle Sam	LA	10198	GEN3	15.0	All Other	OTH	ST	(U) Under construction, less than or equal to 50 percent complete	15.0
2016	3	58421	Panda Patriot O&M LLC	IPP	Panda Patriot Generation Plant	PA	58426	GEN1	382.5	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	435.0
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT1	8.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT2	8.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT3	8.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT4	8.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT5	8.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	8.5
2016	3	59698	Sky Global Power One Pledgor, LLC	IPP	Sky Global Power One	TX	59938	UNIT6	8.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	8.5
2016	3	24211	Tucson Electric Power Co	Electric Utility	Fort Huachuca Solar PV Project	AZ	58972	FHUA2	4.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.1
2016	3	59347	W Power LLC	IPP	Nicolls Solar PV Plant	CA	59600	GEN1	19.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2016	3	59347	W Power LLC	IPP	Tropico Solar PV Plant	CA	59599	GEN1	13.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	14.0
2016	4	59474	BQ Energy LLC	IPP	Kings Park Solar I	NY	59880	KIPS1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	4	59474	BQ Energy LLC	IPP	Kings Park Solar II	NY	59881	KIPS2	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	4	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	04	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2016	4	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	05	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2016	4	59429	Comanche LLC	IPP	Comanche Solar	CO	59656	COMCH	120.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	120.0
2016	4	56769	Consolidated Edison Development Inc.	IPP	OCI Alamo 5 LLC	TX	59205	OCIA5	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2016	4	58970	Ecoplexus, Inc	IPP	Meadows PV 1	NC	59513	MEAD1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	4	59745	First Solar Asset Management	IPP	Moapa Southern Paiute	NV	57859	1	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	1	2.3	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	2	2.3	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	3	2.3	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	4	2.3	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	5	2.3	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	2.7
2016	4	9267	Hoosier Energy R E C, Inc	Electric Utility	Orchard Hills Renewable Energy Station	IL	59792	6	2.3	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	2.7
2016	4	59355	LKL Kingfisher, LLC	IPP	LKL Kingfisher, LLC	FL	59612	LKLKF	6.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	6.0
2016	4	58895	Marshall Wind Energy LLC	IPP	Marshall Wind Farm	KS	59084	RPMA	73.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	73.8
2016	4	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK2	21.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	21.0

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	4	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 4	0.6	Conventional Steam Coal	BIT	ST	(T) Regulatory approvals received. Not under construction	2.9
2016	4	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 5	0.6	Conventional Steam Coal	BIT	ST	(T) Regulatory approvals received. Not under construction	2.2
2016	4	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK7	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2016	4	58661	Sustainable Power Group, LLC	IPP	SEPV Mojave West	CA	59740	SPVMW	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	4	56694	Thermo No 1 BE 01 LLC	IPP	Thermo Solar PV-01	UT	59883	SOLAR	2.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.9
2016	4	59731	Windham Solar LLC	IPP	Lebanon Solar 1	CT	59991	LEB1	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2016	4	59731	Windham Solar LLC	IPP	Lebanon Solar 2	CT	59992	LEB2	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2016	5	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	5	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	5	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	5	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	5	58686	Alpaca Energy LLC	IPP	Alpaca	PA	58813	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	58685	Beaver Dam Energy LLC	IPP	Beaver Dam	PA	58811	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	4.4
2016	5	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-3	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	131.8
2016	5	59155	First Wind O&M, LLC	IPP	Enterprise Solar, LLC	UT	59386	ENTS1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	5	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK2	189.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	202.0
2016	5	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK3	189.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	202.0
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Harding Street	IN	990	BAT1	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	5	11208	Los Angeles Department of Water & Power	IPP	Foothill Solar Project	CA	59799	W4528	1.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.1
2016	5	59120	Los Vientos Windpower IV, LLC	IPP	Los Vientos Windpower IV	TX	59321	GEN1	2.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	5	59669	Louisburg Solar LLC	IPP	Louisburg Solar	NC	59895	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	5	58421	Panda Patriot O&M LLC	IPP	Panda Patriot Generation Plant	PA	58426	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	435.0
2016	5	15248	Portland General Electric Co	Electric Utility	Carty Generating Station	OR	58503	GEN1	300.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	300.0
2016	5	15248	Portland General Electric Co	Electric Utility	Carty Generating Station	OR	58503	GEN2	200.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	200.0
2016	5	59363	Silver State Solar Power South, LLC	IPP	Silver State Solar Power South	NV	58644	BLK8	16.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	16.2
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT01	263.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	297.5
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT02	263.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	297.5
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT03	263.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	297.5
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	ST01	579.4	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	579.7
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-1	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-2	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-4	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-5	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-6	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-7	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-8	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-9	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV10	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-1	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-2	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-3	0.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.5
2016	5	20910	Wolverine Power Supply Coop	Electric Utility	Alpine Power Plant	MI	59926	AI1	202.6	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	226.9
2016	5	20910	Wolverine Power Supply Coop	Electric Utility	Alpine Power Plant	MI	59926	AI2	202.6	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	226.9
2016	6	221	Alaska Village Elec Coop, Inc	Electric Utility	Mountain Village	AK	6329	4A	0.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.8
2016	6	772	Archer Daniels Midland Co	Industrial	Archer Daniels Midland Cedar Rapids	IA	10864	GEN7	35.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	38.5
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	11	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	12	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	13	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	14	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	15	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	16	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	17	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	18	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	19	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	20	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	21	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	22	9.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
2016	6	57421	BayWa r.e Wind LLC	IPP	Chopin Wind LLC	OR	59076	WT1	10.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016	6	58662	Blue Mountain Power Partners	IPP	Blue Mountain Wind Farm	UT	58764	BM1	80.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	80.0
2016	6	59006	Calypso Farm LLC	IPP	Calypso Farm	NC	59212	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	14534	City of Pasadena - (CA)	Electric Utility	Glenarm	CA	422	GT5	68.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	71.0
2016	6	59007	Clipperton Holdings LLC	IPP	Clipperton Holdings	NC	59213	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	SEG	1.0	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	1.0
2016	6	58970	Ecoplexus, Inc	IPP	Grandy PV 1	NC	59518	GRAND	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	6	58970	Ecoplexus, Inc	IPP	Manning PV 1	NC	59520	MANN	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	12-2	138.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	250.0
2016	6	56625	Flat Water Wind Farm LLC	IPP	Flat Water Wind Farm LLC	NE	57283	WTG2	10.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.5
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5A	1,260.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5B		Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5C		Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	296.0
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5ST		Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	464.0
2016	6	58909	Fremont Farm LLC	IPP	Fremont Farm	NC	59103	1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	25438	Friant Power Authority	IPP	Friant Hydro Facility	CA	50393	RO2	9.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	6.9
2016	6	59002	Garland Farm LLC	IPP	Garland Farm	NC	59209	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59403	Gaston Solar LLC	IPP	Gaston Solar	NC	59642	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	6	7140	Georgia Power Co	Electric Utility	Fort Benning Solar Facility	GA	59862	1	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2016	6	59008	Guernsey Holdings LLC	IPP	Guernsey Holdings	NC	59214	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59000	Holger Holdings LLC	IPP	Holger Holdings	NC	59218	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59440	Innovative Solar 23, LLC	IPP	Innovative Solar 23	NC	59670	IS023	1.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.9
2016	6	59442	Innovative Solar 33, LLC	IPP	Innovative Solar 33	NC	59672	IS033	30.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.5
2016	6	59443	Innovative Solar 34, LLC	IPP	Innovative Solar 34	NC	59673	IS034	47.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	47.7
2016	6	59435	Innovative Solar 37, LLC	IPP	Innovative Solar 37	NC	59665	IS037	78.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	78.7
2016	6	59444	Innovative Solar 38, LLC	IPP	Innovative Solar 38	NC	59674	IS038	34.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	34.0
2016	6	59441	Innovative Solar 46, LLC	IPP	Innovative Solar 46	NC	59671	IS046	78.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	78.5
2016	6	59436	Innovative Solar 47, LLC	IPP	Innovative Solar 47	NC	59666	IS047	33.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.8
2016	6	59437	Innovative Solar 48, LLC	IPP	Innovative Solar 48	NC	59667	IS048	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2016	6	59438	Innovative Solar 53, LLC	IPP	Innovative Solar 53	NC	59668	IS053	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	6	59439	Innovative Solar 54, LLC	IPP	Innovative Solar 54	NC	59669	IS054	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	6	59446	Innovative Solar 55, LLC	IPP	Innovative Solar 55	NC	59676	IS044	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	6	59447	Innovative Solar 64, LLC	IPP	Innovative Solar 64	NC	59677	IS064	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.9
2016	6	59448	Innovative Solar 67, LLC	IPP	Innovative Solar 67	NC	59678	IS067	33.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.3
2016	6	59449	Innovative Solar 68, LLC	IPP	Innovative Solar 68	NC	59679	IS068	48.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	48.3
2016	6	59401	Jamesville Solar LLC	IPP	Jamesville Solar	NC	59640	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	58673	Longhorn Holdings, LLC	IPP	Longhorn Holdings	NC	58781	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59343	Maricopa East Solar PV, LLC	IPP	Maricopa East Solar	CA	59609	MES	18.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	18.0
2016	6	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	BLK3	39.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	39.6
2016	6	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	6	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	58689	Milan Energy LLC	IPP	Milan	PA	58818	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	6	59668	Mount Olive Solar LLC	IPP	Mount Olive Solar	NC	59908	2MWPV	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR1	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR2	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR3	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR4	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR5	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	54888	NRG Texas Power LLC	IPP	P H Robinson	TX	3466	PHR6	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.2
2016	6	59099	New Dimension Energy Company, LLC	IPP	Westwind Trust	CA	54258	WTGS	15.6	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.6
2016	6	59404	Seaboard Solar LLC	IPP	Seaboard Solar LLC	NC	59643	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	6	59492	Seville Solar Two LLC	IPP	Seville 2	CA	59723	SEV2	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2016	6	58704	Sonne Two LLC	IPP	Sonne Two	NC	58829	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG01	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG02	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG03	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG04	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG05	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG06	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG07	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG08	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG09	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG10	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG11	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	17583	South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG12	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.7
2016	6	59318	Soy Solar LLC	IPP	Soy Solar	NC	59571	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	1	18.3	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	2	18.3	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Stillwater Energy Center	OK	59647	3	18.3	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2016	6	58661	Sustainable Power Group, LLC	IPP	Lancaster WAD B	CA	59739	LWADB	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	58661	Sustainable Power Group, LLC	IPP	Western Antelope Blue Sky B	CA	59961	WABSB	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	6	59569	TWE Ahoskie Solar Project, LLC	IPP	Ahoskie	NC	59795	FLS1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	6	59412	Tarboro Solar LLC	IPP	Tarboro Solar	NC	59648	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	6	59011	Tiburon Holdings	IPP	Tiburon Holdings	NC	59217	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	6	59116	WED Coventry Five, LLC	IPP	WED Coventry 5	RI	59313	COV5	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59108	WED Coventry Four, LLC	IPP	WED Coventry 4	RI	59306	WEDC4	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59105	WED Coventry One, LLC	IPP	WED Coventry 1	RI	59301	WEDC1	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6A	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI	59314	COV6B	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59107	WED Coventry Three, LLC	IPP	WED Coventry 3	RI	59305	WEDC3	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2A	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2B	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	6	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH5	0.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	0.5
2016	6	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH6	0.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	0.5
2016	6	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (WI)	WI	59836	11	4.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	4.6
2016	6	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (WI)	WI	59836	12	4.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	4.6
2016	7	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG1	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016	7	56769	Consolidated Edison Development Inc.	IPP	Oro Loma	CA	59915	ORCA	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	7	59155	First Wind O&M, LLC	IPP	Escalante Solar I, LLC	UT	59387	ESCS1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	7	9324	Indiana Michigan Power Co	Electric Utility	Twin Branch PV	IN	59861	TBPV1	2.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.6
2016	7	11208	Los Angeles Department of Water & Power	Electric Utility	Van Norman Bypass Solar Project	CA	57307	1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2016	7	59342	Maricopa West Solar PV 2, LLC	IPP	Maricopa West Solar 2	CA	59608	MWS2	20.0	Solar Photovoltaic	SUN	PV	(O) Regulatory approvals pending. Not under construction	20.0
2016	7	58489	OCI Solar Power	IPP	OCI Alamo 6 LLC	TX	59206	OCIA6	105.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	105.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Aspiration G	CA	59737	ASPRG	9.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	9.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Elevation Solar C	CA	59964	ELVSC	40.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Hecate Energy Beacon Solar 1	CA	59315	BEAC1	56.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	56.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Hecate Energy Beacon Solar 3	CA	59316	BEAC3	56.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	56.0
2016	7	58661	Sustainable Power Group, LLC	IPP	Hecate Energy Beacon Solar 4	CA	59317	BEAC4	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	7	2518	U S Bureau of Reclamation	Electric Utility	Black Canyon	ID	6396	3	12.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	12.5
2016	7	19876	Virginia Electric & Power Co	Electric Utility	Remington Solar Facility	VA	59685	01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	8	59616	635SJ 8me, LLC	IPP	Springbok Solar Farm 2	CA	59840	SB2	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2016	8	58897	705M 8me LLC	IPP	Caligatrix Solar Farm	CA	59088	GEN 1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	8	59259	Blackwell Solar Park, LLC	IPP	Blackwell Solar Park	CA	59524	FRBSP	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	8	4329	Copper Valley Elec Assn, Inc	Electric Utility	Allison Creek Hydro	AK	58982	GEN1	6.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	6.5
2016	8	59709	Granite Mountain Solar East LLC	IPP	Granite Mountain Solar East	UT	59946	GMSE	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	59708	Granite Mountain Solar West, LLC	IPP	Granite Mountain Solar West	UT	59945	GMSW	51.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	51.3
2016	8	59705	Iron Springs Solar, LLC	IPP	Iron Springs Solar	UT	59941	ISS	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2016	8	58489	OCI Solar Power	IPP	OCI Alamo 7 LLC	TX	59207	OCIA7	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Benson Creek Windfarm	OR	59491	BCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Durbin Creek Windfarm	OR	59492	DCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Jett Creek Windfarm	OR	59490	JCW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Prospector Windfarm	OR	59493	PW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	59253	Oregon Windfarms, LLC	IPP	Willow Spring Windfarm	OR	59494	WSW	10.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10.0
2016	8	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	8	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	8	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	8	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	8	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2016	8	59728	RE Astoria 2 LLC	IPP	RE Astoria 2	CA	59977	ASTR2	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2016	8	59727	RE Astoria LLC	IPP	RE Astoria	CA	59976	ASTR1	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2016	8	59109	SUNE BEACON SITE 2, LLC	IPP	Beacon Solar Plant Site 2	CA	59309	BEAC2	48.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	48.0
2016	9	59273	625K 8me, LLC	IPP	Springbok Solar Farm 1	CA	59532	SB1	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2016	9	55918	Acciona Wind Energy USA LLC	IPP	San Roman Wind I, LLC	TX	59712	SRWI	93.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	93.0
2016	9	213	Alaska Electric Light&Power Co	Electric Utility	Industrial Plant	AK	59793	15	25.0	Petroleum Liquids	DFO	GT	(L) Regulatory approvals pending. Not under construction	25.0
2016	9	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG2	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016	9	59480	Aulander Solar LLC	IPP	Aulander Solar	NC	59707	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59520	BWC Origination 5, LLC	IPP	BlueWave Capital-Mattapoisett (SREC II)	MA	59753	1	0.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2016	9	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CT02R	3.2	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	3.6
2016	9	58970	Ecoplexus, Inc	IPP	Turkey Creek PV1	NC	60000	TRKCK	13.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	13.5
2016	9	58970	Ecoplexus, Inc	IPP	Vaughn Creek PV1	NC	60001	VNCRK	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	59745	First Solar Asset Management	IPP	Stateline Solar	NV	58646	STL	299.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	299.9
2016	9	56615	First Solar Project Development	IPP	Little Bear Solar 1, LLC	CA	59870	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	56615	First Solar Project Development	IPP	Little Bear Solar 2, LLC	CA	59885	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	59481	Franklinton Solar LLC	IPP	Franklinton Solar	NC	59708	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	58901	Hydro Green Energy	IPP	Braddock Lock and Dam	PA	59091	GEN1	5.3	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	5.3
2016	9	9216	Imperial Irrigation District	Electric Utility	El Centro	CA	389	BESS	28.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	30.0
2016	9	59628	Infigen Energy US Development LLC	IPP	Rio Bravo Solar 1 LLC	CA	59249	PV1	19.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	59628	Infigen Energy US Development LLC	IPP	Wildwood Solar II	CA	59253	PV1	14.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2016	9	59680	Lillington Solar LLC	IPP	Lillington Solar	NC	59921	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59755	Murphy Flat Power, LLC	IPP	Murphy Flat Solar	ID	60009	IPMF	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG1	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	107.0
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG2	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	107.0
2016	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG3	97.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	107.0
2016	9	59682	Pollocksville Solar LLC	IPP	Pollocksville Solar	NC	59917	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	1	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	2	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	3	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	4	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	59713	Potrero Hills Energy Producers, LLC	IPP	Potrero Hills Energy Producers	CA	59952	5	1.6	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	1.6
2016	9	58968	RE Mustang LLC	IPP	RE Mustang LLC	CA	59150	PV1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2016	9	59741	RE Roserock	IPP	RE Roserock	TX	59994	ROSEK	157.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	160.0
2016	9	59700	RE Tranquility LLC	IPP	RE Tranquility	CA	59939	TQ	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	205.3
2016	9	59662	Riverside Fuel Cell, LLC	Commercial	Riverside RWQCP Fuel Cell	CA	59877	MB20	1.4	Other Waste Biomass	OBG	FC	(P) Planned for installation, but regulatory approvals not initiated	1.4
2016	9	59681	Smithfield Solar LLC	IPP	Smithfield Solar LLC	NC	59920	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	9	59605	South Louisburg Solar LLC	IPP	South Louisburg Solar	NC	59825	5MWPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	9	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Sorghum to Ethanol Advanced Biorefinery	FL	58997	G1001	12.0	Other Waste Biomass	OBS	ST	(U) Under construction, less than or equal to 50 percent complete	15.0
2016	9	59098	Trishe Wind Ohio LLC	IPP	Trishe Wind Ohio LLC	OH	59296	NWOH1	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100.0
2016	9	59098	Trishe Wind Ohio LLC	IPP	Trishe Wind Ohio LLC	OH	59296	NWOH2	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2016	9	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN1	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2016	9	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN2	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2016	10	59758	American Falls Solar II, LLC	IPP	American Falls Solar II	ID	60012	IPAF2	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	10	59757	American Falls Solar LLC	IPP	American Falls Solar	ID	60011	IPAF	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	10	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG3	25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016	10	57369	Apple, Inc	Industrial	Apple Campus 2 Fuel Cell	CA	59557	AC2FC	4.0	Other Waste Biomass	OBG	FC	(T) Regulatory approvals received. Not under construction	4.0
2016	10	57369	Apple, Inc	Industrial	Apple Campus 2 PV	CA	59473	AC2PV	14.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.4
2016	10	58680	Ayrshire Holdings, LLC	IPP	Ayrshire	NC	58792	PV1	19.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	19.4
2016	10	59594	Black Oak Wind Farm LLC	IPP	Black Oak Wind Farm	NY	59813	NA	16.1	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	16.1
2016	10	59155	First Wind O&M, LLC	IPP	Escalante Solar II, LLC	UT	59388	ESCS2	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	10	59155	First Wind O&M, LLC	IPP	Escalante Solar III, LLC	UT	59389	ESCS3	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	10	59258	Five Points Solar Park, LLC	IPP	Five Points Solar Park	CA	59523	FRFSP	60.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.0
2016	10	55932	Georgia-Pacific Brewton LLC	Industrial	Georgia-Pacific Brewton Mill	AL	54789	4TG	62.0	Wood/Wood Waste Biomass	BLQ	ST	(U) Under construction, less than or equal to 50 percent complete	75.0
2016	10	59257	Giffen Solar Park, LLC	IPP	Giffen Solar Park	CA	59522	FRGSP	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	10	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	2	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2016	10	9324	Indiana Michigan Power Co	Electric Utility	OlivePV	IN	59854	OLPV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2016	10	9324	Indiana Michigan Power Co	Electric Utility	Watervliet PV	MI	59853	WVPV1	4.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.6
2016	10	59285	Innovative Solar 6, LLC	IPP	Innovative Solar 6	NC	59542	IS6	3.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.6
2016	10	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	1	129.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	129.5
2016	10	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	2	109.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	109.2
2016	10	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58766	3	61.1	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	61.1
2016	10	58815	KDC Solar RTC LLC	IPP	Delilah Road Landfill	NJ	58951	DRLS	9.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	9.0
2016	10	59022	Leonardo Wind 1 LLC	IPP	Leonardo Wind 1 LLC	IA	59228	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59023	Leonardo Wind 3 LLC	IPP	Leonardo Wind 3 LLC	IA	59229	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	58849	Mariah North West LLC	IPP	Mariah Renewable Energy Center Phase 1	TX	59005	MAR1	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2016	10	58849	Mariah North West LLC	IPP	Mariah Renewable Energy Center Phase 3	TX	59006	MARN	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	168.0
2016	10	11664	Mark Technologies Corp	IPP	Alta Mesa Project Phase IV	CA	55352	GEN1	40.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	40.0
2016	10	59026	Michelangelo Wind 1 LLC	IPP	Michelangelo Wind 1 LLC	IA	59231	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	58887	Michelangelo Wind 3 LLC	IPP	Michelangelo Wind 3 LLC	IA	59053	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59027	Michelangelo Wind 4 LLC	IPP	Michelangelo Wind 4 LLC	IA	59232	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59634	North Star Solar PV LLC	IPP	North Star Solar Project	MN	59852	NSSP1	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	10	59025	Optimum Wind 3 LLC	IPP	Optimum Wind 3 LLC	IA	59227	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59024	Optimum Wind 4 LLC	IPP	Optimum Wind 4 LLC	IA	59226	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59017	Optimum Wind 5 LLC	IPP	Optimum Wind 5 LLC	IA	59223	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59018	Optimum Wind 6 LLC	IPP	Optimum Wind 6 LLC	IA	59224	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	59019	Optimum Wind 7 LLC	IPP	Optimum Wind 7 LLC	IA	59225	WT1	3.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	3.0
2016	10	59756	Orchard Ranch Solar, LLC	IPP	Orchard Ranch Solar	ID	60010	IPOR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	10	58838	Panrey, LLC	IPP	Henrietta Solar Project	CA	58975	PV1	102.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	102.0
2016	10	56987	RRE Austin Solar LLC	IPP	Pflugerville Solar Farm	TX	57659	PSF	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2016	10	58661	Sustainable Power Group, LLC	IPP	Con Dios Solar 11	CA	59264	CON11	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	10	58661	Sustainable Power Group, LLC	IPP	Con Dios Solar 3	CA	59263	COND3	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2016	10	59056	Tri Global Energy, LLC	IPP	Bearkat	TX	59972	BRKAT	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	10	58381	Troutdale Energy Center LLC	IPP	Troutdale Energy Center	OR	58396	PLGEN	652.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	652.0
2016	10	59021	Venus Wind 3 LLC	IPP	Venus Wind 3 LLC	IA	59230	WT1	3.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
2016	10	54842	WM Renewable Energy LLC	IPP	Waste Mangement Redwood LFGTE	CA	59299	RED1	2.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2016	10	54842	WM Renewable Energy LLC	IPP	Waste Mangement Redwood LFGTE	CA	59299	RED2	2.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2016	10	57028	West Butte Wind Power LLC	IPP	West Butte Wind Power Project	OR	57704	WB-1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016	10	59260	Wright Solar Park, LLC	IPP	Wright Solar Park	CA	59525	FRWSP	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2016	11	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016	11	58574	Canton Mountain Wind LLC	IPP	Canton Mountain Wind	ME	58620	1	22.8	Onshore Wind Turbine	WND	WT	(OT) Other	22.8
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	10	43.1	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	53.1
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	11	43.1	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	53.1
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	MI	59093	12	40.9	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	43.2
2016	11	59595	Copper Mountain Solar 4, LLC	IPP	Copper Mountain Solar 4, LLC	NV	59814	PV01	46.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	46.0
2016	11	59595	Copper Mountain Solar 4, LLC	IPP	Copper Mountain Solar 4, LLC	NV	59814	PV02	46.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	46.0
2016	11	57406	Deepwater Wind Block Island LLC	IPP	Block Island Wind Farm	RI	58035	BIWF	29.3	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	30.0
2016	11	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	BECK2	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	11	6452	Florida Power & Light Co	Electric Utility	Babcock Solar Energy Center	FL	59993	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2016	11	58606	Mauka Fit One LLC	IPP	Mauka FIT One	HI	58662	3501	3.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.5
2016	11	59110	SUNE BEACON SITE 5, LLC	IPP	Beacon Solar Plant Site 5	CA	59308	BEAC5	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2016	11	59056	Tri Global Energy, LLC	IPP	Hale Community Wind Farm	TX	59247	HALE1	240.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	240.0
2016	12	59272	41MB Bme, LLC	IPP	Borden Solar Farm	CA	59531	BRDN	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2016	12	59482	Ameresco Tempe	IPP	St. Paul Intl Airport Red & Blue Parking	MN	59709	PV1	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2016	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind One LLC	IL	58925	SAN1	30.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	30.0
2016	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind Two LLC	IL	58926	SAN2	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2016	12	58794	American Wind Energy Management Corp.	IPP	Sugar Creek Wind One LLC	IL	58924	SUG1	175.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	175.0
2016	12	59725	Ariel Solar, LLC	IPP	Bloomsbury Solar, LLC	NC	59970	BLOOM	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	57003	Arlington Valley Solar Energy LLC	IPP	Arlington Valley Solar Energy I	AZ	57679	AVSE1	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	127.0
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	59193	Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58625	Black Oak Wind, LLC	IPP	Black Oak Wind Farm	MN	58692	1	78.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	78.0
2016	12	59365	Capital Power Corporation	IPP	CP Bloom Wind LLC	KS	59888	GEN	180.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	180.0
2016	12	58998	Chapman Ranch Wind LLC	IPP	Chapman Ranch Wind I	TX	59193	CHA1	236.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	236.0
2016	12	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	1	76.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	76.5
2016	12	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	2	76.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	76.5
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP1	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP2	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP3	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SMP4	2.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2016	12	58840	Copenhagen Wind Farm, LLC	IPP	Copenhagen Wind Farm	NY	58979	CPHGN	79.9	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	79.9
2016	12	58695	Coronal Development Services	IPP	Fusion Solar Center LLC	CT	58876	PV	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center I	FL	59689	GCSC1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center II	FL	59690	GCSC2	40.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0
2016	12	58695	Coronal Development Services	IPP	Gulf Coast Solar Center III	FL	59691	GCSC3	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2016	12	59319	Cotton Solar, LLC	IPP	Cotton Solar	SC	59572	PV1	16.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	16.0
2016	12	59464	Current Energy Group	IPP	Hickory	NC	59829	5515	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	12	5109	DTE Electric Company	Electric Utility	Echo Wind Park	MI	58121	GEN3	50.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	50.0
2016	12	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STA	40.0	All Other	WH	CA	(L) Regulatory approvals pending. Not under construction	65.0
2016	12	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STB	40.0	All Other	WH	CA	(L) Regulatory approvals pending. Not under construction	65.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Colbec's Corner, LLC	TX	59068	GVII	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Grandview Wind Farm III LLC	TX	59067	GVIII	188.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	188.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Magic Valley Wind Farm II	TX	59066	MVII	230.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	230.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Stella Wind Farm	TX	59063	WT1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Stella Wind Farm II	TX	59064	WT1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Twin Forks Wind Farm LLC	IL	59061	WT1	351.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	351.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Vici Wind Farm	OK	59062	VICI	104.4	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	104.4
2016	12	58970	Ecoplexus, Inc	IPP	American Legion PV 1	NC	59516	AMLEG	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58970	Ecoplexus, Inc	IPP	Baker PV 1	NC	59517	BAKE1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Benthal Bridge PV 1	NC	59515	BENT1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Boykin PV1	NC	59996	BOYK1	17.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	17.0
2016	12	58970	Ecoplexus, Inc	IPP	E Nash PV1	NC	60002	NASH1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	58970	Ecoplexus, Inc	IPP	Flat Meeks PV 1	NC	59514	FLAT1	3.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.4
2016	12	58970	Ecoplexus, Inc	IPP	High Shoals PV1	NC	59997	HISHO	16.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	16.0
2016	12	58970	Ecoplexus, Inc	IPP	Round Hill PV1	NC	59998	RNDHL	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	58970	Ecoplexus, Inc	IPP	Willoughby PV1	NC	60003	WILL1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Apple Blossom Wind Farm	MI	58690	APLB1	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Courtenay Wind Farm	ND	58658	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Lindahl Wind Project, LLC	ND	59684	LWP01	150.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	150.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	Mustang Run Wind Project LLC	OK	59000	MRWP	136.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	136.0
2016	12	59380	Enel Green Power NA, Inc.	IPP	South Fork Wind Farm	MN	58691	STFK1	13.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	13.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Allegany Wind Farm	NY	58779	1	72.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	72.5
2016	12	58672	Everpower Wind Holdings Inc	IPP	Cassadaga Wind Farm	NY	58777	1	125.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	125.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Coyote Crest Wind Farm	WA	58778	1	126.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	126.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Horse Thief Wind Project, LLC	MT	59758	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Mud Springs Wind Project, LLC	MT	59756	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Pryor Caves Wind Project, LLC	MT	59757	1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Scioto Ridge Wind Farm	OH	58780	1	300.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	300.0
2016	12	56615	First Solar Project Development	IPP	Aiya Solar Project	NV	59869	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	12	56615	First Solar Project Development	IPP	North Rosamond Solar LLC	CA	59879	GEN01	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2016	12	56615	First Solar Project Development	IPP	Playa Solar	NV	59827	GEN01	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2016	12	56615	First Solar Project Development	IPP	Sunshine Valley Solar	NV	59826	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2016	12	56615	First Solar Project Development	IPP	Windhub Solar A LLC	CA	59878	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	56615	First Solar Project Development	IPP	Windhub Solar B, LLC	CA	59969	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59155	First Wind O&M, LLC	IPP	Bingham Wind	ME	57531	1	186.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	186.0
2016	12	59155	First Wind O&M, LLC	IPP	Hancock Wind Plant	ME	58686	HANC1	51.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	51.0
2016	12	59155	First Wind O&M, LLC	IPP	Milford Wind Corridor Phase III	UT	57546	1	100.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	100.0
2016	12	59155	First Wind O&M, LLC	IPP	Millani South PV	HI	58281	1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	58146	Gaelectric LLC	IPP	Jawbone Wind Project	MT	58175	JWPI	131.1	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	131.1
2016	12	7140	Georgia Power Co	Electric Utility	Fort Gordon Solar Facility	GA	59863	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	Fort Stewart Solar Facility	GA	59865	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	King's Bay Solar Facility	GA	59864	1	30.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	30.0
2016	12	7140	Georgia Power Co	Electric Utility	Marine Corps Logistics Base Solar Facility	GA	59876	1	46.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	46.0
2016	12	58623	Grande Prairie Wind, LLC	IPP	Grande Prairie Wind Farm	NE	58695	1	400.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	400.0
2016	12	59633	Great Bay Solar I LLC	IPP	Great Bay Solar 1	MD	59851	GBS01	57.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2016	12	56946	Hidalgo Wind Farm LLC	IPP	Hidalgo Wind Farm LLC	TX	57617	GEN1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2016	12	57278	Hidden Hills Solar II LLC	IPP	Hidden Hills Solar Plant 2	CA	57906	1	250.0	Solar Thermal without Energy Storage	SUN	ST	(L) Regulatory approvals pending. Not under construction	250.0
2016	12	59246	Highwater Solar I	IPP	Highwater Solar I	NC	59487	HIGHW	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Decatur Co. Solar RES (IN)	IN	59988	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Ellettsville Solar RES	IN	59985	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Henryville Solar RES	IN	59986	PV1	1.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Jackson Co. Solar RES	IN	59989	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Johnson Co. Solar RES	IN	59990	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	9267	Hoosier Energy R E C, Inc	Electric Utility	Spring Mill Solar RES	IN	59987	PV1	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2016	12	15399	Iberdrola Renewables Inc	IPP	Tule Wind LLC	CA	57913	1	143.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	143.0
2016	12	59628	Infigen Energy US Development LLC	IPP	Aragonne Solar LLC	NM	59252	PV1	38.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0
2016	12	59628	Infigen Energy US Development LLC	IPP	Caprock Solar 1 LLC	NM	59251	PV1	24.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	25.0
2016	12	59628	Infigen Energy US Development LLC	IPP	Caprock Solar 2 LLC	NM	59846	PV1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30.0
2016	12	59628	Infigen Energy US Development LLC	IPP	Rio Bravo Solar II LLC	CA	59250	PV1	19.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59678	KDC Solar PR1, LLC	IPP	KDC Solar PR1, LLC	NJ	59910	SP	22.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	22.0
2016	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-A	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending. Not under construction	3.0
2016	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-B	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending. Not under construction	3.0
2016	12	58688	Kelly Energy LLC	IPP	Kelly	PA	58817	GEN1	3.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.3
2016	12	58688	Kelly Energy LLC	IPP	Kelly	PA	58817	GEN2	3.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.3
2016	12	10171	Kentucky Utilities Co	Electric Utility	E W Brown	KY	1355	SOLAR	10.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016	12	55910	Lanai Sustainability Research LLC	IPP	Millani South Solar Farm	HI	57242	1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	59316	Laurinburg Industrial Solar LLC	IPP	Laurinburg Industrial Solar	SC	59569	PV1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2016	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	56105	GTG1	37.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	50.0
2016	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	56105	STG1	18.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	30.0
2016	12	11204	Los Alamos County	Electric Utility	Los Alamos PV Site	NM	58256	4	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2016	12	55983	Luminant Generation Company LLC	IPP	Horseshoe Bend	TX	59806	SOLAR	140.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	140.0
2016	12	58850	Mariah South LLC	IPP	Mariah Renewable Energy Center Phase 2	TX	59007	MAR S	99.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2016	12	59469	Mountain Home Solar, LLC	IPP	Mountain Home Solar	ID	59695	MHPV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	A	110.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	110.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	B	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	125.0
2016	12	56622	NextEra Energy Resources	IPP	Marshall Solar Energy Project	MN	59875	PV1	62.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	62.3
2016	12	56935	Number Nine Wind Farm LLC	IPP	Number Nine Wind Farm	ME	57612	GEN1	250.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	250.0
2016	12	58477	O2energies, Inc.	IPP	Five Forks Solar	NC	59951	5FRK	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2016	12	56676	Panoche Valley Solar LLC	IPP	Panoche Valley Solar Farm	CA	57340	1	247.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	247.7
2016	12	56545	Pattern Operators LP	IPP	Ripley Westfield Wind LLC	NY	57193	WTG	75.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	75.0
2016	12	56545	Pattern Operators LP	IPP	Texas Gulf Wind 2	TX	56662	1	187.2	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	187.2
2016	12	59470	Pocatello Solar 1, LLC	IPP	Pocatello Solar	ID	59696	PAPV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58109	President & Trustees of Williams College	Commercial	Williams College - Campus CHP	MA	58160	GEN3	1.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.2
2016	12	59010	Rhubarb One LLC	IPP	Rhubarb One SC	SC	59596	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58691	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2016	12	58579	Silverado Power	IPP	Western Antelope Dry Ranch	CA	58627	WADR	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2016	12	57331	Soltec Solar Development LLC	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016	12	59080	Soleil Energy Solutions, LLC	IPP	Westside Solar Farm	NC	59258	WEST1	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2016	12	59696	Soluga Farms IV	IPP	Soluga Farms IV	NC	59934	SFIV	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2016	12	58860	Southbridge Recycling and Disposal Park, Inc	IPP	Southbridge Landfill Gas-to-Energy	MA	59011	CAT2	1.5	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2016	12	17650	Southern Power Co	IPP	Butler Solar Project 103	GA	59896	1	103.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	103.0
2016	12	17650	Southern Power Co	IPP	Taylor County Solar	GA	59897	1	148.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	148.0
2016	12	58734	Sunfish Farm LLC	IPP	Sunfish Farm	NC	58864	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2016	12	58661	Sustainable Power Group, LLC	IPP	Central Antelope Dry Ranch C	CA	59963	CADRC	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	58661	Sustainable Power Group, LLC	IPP	Eden Solar LLC	NC	59778	EDENS	47.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	47.7
2016	12	58661	Sustainable Power Group, LLC	IPP	North Lancaster Ranch	CA	59962	NLR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	59317	Toprak LLC	IPP	Toprak	NC	59570	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016	12	54906	Tradewind Energy, Inc.	IPP	Drift Sand Wind Project LLC	OK	59065	WT1	109.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	109.8
2016	12	59056	Tri Global Energy, LLC	IPP	Changing Winds	TX	59243	CHAN1	288.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	288.0
2016	12	59056	Tri Global Energy, LLC	IPP	Fiber Winds	TX	59244	FIBE1	80.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	80.0
2016	12	59056	Tri Global Energy, LLC	IPP	Fluvanna	TX	59245	FLUV1	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	12	59056	Tri Global Energy, LLC	IPP	Goodnight	TX	59246	GOOD1	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2016	12	59056	Tri Global Energy, LLC	IPP	Hale Community Wind Farm	TX	59247	HALE2	240.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	240.0
2016	12	58796	Trishe Wind Colorado	IPP	Trishe Wind Colorado	CO	58928	1	30.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	30.0
2016	12	56633	Trishe Wind Minnesota	IPP	Trishe Wind Minnesota	MN	57255	1	40.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	40.0
2016	12	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS60	49.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	49.9
2016	12	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS51	15.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2016	12	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS52	14.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.9
2016	12	19316	Two Elk Generation Partners LP	IPP	Two Elk Generating Station	WY	55360	GEN1	275.0	Conventional Steam Coal	WC	ST	(U) Under construction, less than or equal to 50 percent complete	320.0
2016	12	58153	US Magnesium	Industrial	US Magnesium	UT	58191	GT4	24.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	30.0
2016	12	57341	Veolia Energy	Electric CHP	Univ Minnesota CHP Plant	MN	59197	CTG-1	17.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	21.0
2016	12	58624	Walnut Ridge Wind, LLC	IPP	Walnut Ridge Wind Farm	IL	58694	1	210.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	210.0
2016	12	58761	White Camp Solar LLC	IPP	White Camp Solar	TX	58888	WCAMP	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2017	1	59308	Bearford Farm, LLC	IPP	Bearford Farm Solar Project	NC	59567	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2017	1	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	CT1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	172.0
2017	1	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	CT2	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	172.0
2017	1	3892	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	59726	10	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2017	1	3892	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	59726	8	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2017	1	3892	City of Coffeyville - (KS)	Electric Utility	CML&P Generating Facility No. 2	KS	59726	9	18.7	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.7
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT1	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT2	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT3	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8.9
2017	1	59306	Keen Farm, LLC	IPP	Keen Farm	NC	59565	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2017	1	59320	Manway Solar, LLC	IPP	Manway Solar Farm	NC	59575	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59323	Monroe Moore Farm, LLC	IPP	Monroe Moore Farm	NC	59578	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59333	Pit 64 Farm, LLC	IPP	Pit 64	NC	59588	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2017	1	59335	Sandy Ridge Solar Farm, LLC	IPP	Sandy Ridge Solar Farm	NC	59590	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59337	Sedberry Farm, LLC	IPP	Sedberry Farm	NC	59592	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59338	Spring Valley Farm 2, LLC	IPP	Spring Valley Farm 2, LLC	NC	59593	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59339	Spring Valley Farm, LLC	IPP	Spring Valley Farm	NC	59594	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	18454	Tampa Electric Co	Electric Utility	Polk	FL	7242	2CC	459.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	463.0
2017	1	59328	Tart Farm, LLC	IPP	Tart Farm	NC	59583	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	200.0
2017	1	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG2	172.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	200.0
2017	1	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	ST1	215.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	255.0
2017	1	59329	Wellons Farm, LLC	IPP	Wellons Farm	NC	59584	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	1	59331	Woodland Church Farm, LLC	IPP	Woodland Church Farm	NC	59586	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG1	205.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	215.0
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG2	205.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	215.0
2017	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	STGEN	316.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	316.0
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5501	3.0	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending. Not under construction	3.0
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5502	1.3	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending. Not under construction	1.3
2017	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5511	1.7	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending. Not under construction	1.7
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2017	3	49805	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56163	SCTG	176.9	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	207.9
2017	3	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	CTG	11.6	Other Waste Biomass	OBG	CT	(U) Under construction, less than or equal to 50 percent complete	12.0
2017	3	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	STG	7.4	Other Waste Biomass	OBG	CA	(U) Under construction, less than or equal to 50 percent complete	9.0
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	2	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	3	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	4	390.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	390.0
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	3C1	324.6	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	365.5
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	3ST	191.8	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	204.0
2017	4	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN1	230.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2017	4	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN3	314.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	338.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	GT1	207.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	207.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	GT2	207.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	207.0
2017	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	STG1	230.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	230.0
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CTG1	209.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.7
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CTG2	209.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.7
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	STG1	238.8	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	260.5
2017	5	59111	Crawford Renewable Energy, LLC	IPP	Crawford Renewable Energy - Meadville Power Station	PA	59307	MPS	93.5	All Other	TDF	ST	(U) Under construction, less than or equal to 50 percent complete	99.5
2017	5	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-4	100.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	131.8
2017	5	58597	Enivromission, Inc	IPP	La Paz Solar Tower	AZ	58652	1	200.0	Solar Thermal without Energy Storage	SUN	OT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	CGT4	318.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	360.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	CGT5	318.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	360.0
2017	5	6035	Exelon Power	IPP	Wolf Hollow II	TX	59812	STG6	485.2	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	501.3
2017	5	58848	Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN2	230.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2017	5	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT1	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2017	5	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT2	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2017	5	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT3	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2017	5	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT4	2.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	2.6
2017	5	59101	NTE Texas, LLC	IPP	Pecan Creek Energy Center	TX	59298	PCEC1	230.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	285.0
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	CT1	310.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	CT2	310.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2017	5	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	ST1	493.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	493.0
2017	5	59336	Schell Solar Farm, LLC	IPP	Schell Solar Farm	NC	59591	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2017	6	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	58998	CT08	37.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	40.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG5	230.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	230.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG6	230.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	230.0
2017	6	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	STG2	414.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	414.0
2017	6	58959	Freeport LNG Development L.P	Industrial	Freeport LP Pretreatment Facility	TX	59145	65GTG	77.5	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	97.0
2017	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Cabin Creek Renewable Energy Station	IN	59791	1	1.9	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	2.0
2017	6	9267	Hoosier Energy R E C, Inc	Electric Utility	Cabin Creek Renewable Energy Station	IN	59791	2	1.9	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	2.0
2017	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	5	340.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	340.0
2017	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	6	340.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	340.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-1	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-2	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-3	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-1	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-2	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616	CTG-3	178.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-1	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-2	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59357	Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617	CTG-3	177.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	183.0
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	CTG11	256.5	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	328.0
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	CTG12	256.5	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	328.0
2017	6	59534	Oregon Clean Energy Center	IPP	Oregon Clean Energy Center	OH	59764	STG10	334.6	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	404.0
2017	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2017	6	56640	Rice Solar Energy LLC	Commercial	Rice Solar Energy	CA	57276	RSE1	150.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending. Not under construction	170.0
2017	6	58960	Timberline Energy LLC	IPP	Front Range Project	CO	59143	FR-2	1.5	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2017	7	58758	CPV Smyth Generation Company LLC	IPP	CPV Smyth Generation Company LLC	VA	58878	1	653.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	782.0
2017	7	59362	Jericho Rise Wind Farm LLC	IPP	Jericho Rise Wind Farm LLC	NY	59629	GEN1	77.7	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	77.7
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG1	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG2	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG3	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG4	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG5	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2017	9	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG8	3.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	3.0
2017	9	58588	National Solar Power Partners LLC	IPP	Hardee County Solar Farms 1 LLC	FL	58637	HCSF1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2017	9	59137	Palmer Renewable Energy	IPP	Palmer Renewable Energy	MA	59336	PRE	42.0	Wood/Wood Waste Biomass	WDS	ST	(T) Regulatory approvals received. Not under construction	42.0
2017	9	19876	Virginia Electric & Power Co	Electric Utility	VA Offshore Wind Project (VOWTAP)	VA	59693	OSW1	12.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	12.0
2017	10	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	LEFT	0.9	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.9
2017	10	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	RGHT	0.9	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.9
2017	10	59056	Tri Global Energy, LLC	IPP	Easter	TX	59971	ESTR1	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2017	11	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT3	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2017	12	219	Alaska Power and Telephone Co	Electric Utility	Mahoney Lake Hydroelectric	AK	59027	GEN 1	9.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	9.6
2017	12	219	Alaska Power and Telephone Co	Electric Utility	Reynolds Creek	AK	59037	GEN 1	5.0	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	5.0
2017	12	59714	Antrim Wind Energy LLC	IPP	Antrim Wind	NH	59953	AWND1	28.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	28.8
2017	12	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT4	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2017	12	2087	Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT3	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	172.0
2017	12	2087	Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT4	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	172.0
2017	12	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	ST1	181.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	181.0
2017	12	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	ST2	181.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	181.0
2017	12	59365	Capital Power Corporation	IPP	Black Fork Wind Energy Project	OH	59907	GEN	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2017	12	59365	Capital Power Corporation	IPP	EcoPoint Wind LLC	IL	59902	GEN	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2017	12	59365	Capital Power Corporation	IPP	Hopeful Solar LLC	GA	59892	GEN	29.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	29.0
2017	12	59365	Capital Power Corporation	IPP	Meadowlark Wind	ND	59903	GEN	99.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	99.0
2017	12	59365	Capital Power Corporation	IPP	Poplars Ranch Solar LLC	OR	59890	GEN	16.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	16.0
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	CGT1	197.3	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	235.5
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	CGT2	197.3	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	235.5
2017	12	59541	Carroll County Energy LLC	Electric CHP	Carroll County Energy	OH	59773	SGT1	288.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	361.3
2017	12	58672	Everpower Wind Holdings Inc	IPP	Buckeye Wind Farm	OH	58776	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2017	12	59155	First Wind O&M, LLC	IPP	Bowers Wind Project	ME	57088	1	48.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	48.0
2017	12	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55007	1	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170.0
2017	12	15399	Iberdrola Renewables Inc	IPP	Desert Wind	NC	59968	1	208.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	208.0
2017	12	56941	Meadow Lake Wind Farm V LLC	IPP	Meadow Lake Wind Farm V LLC	IN	57628	GEN1	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2017	12	56949	Paulding Wind Farm LLC	IPP	Paulding Wind Farm LLC	OH	57611	GEN1	49.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	49.0
2017	12	58626	Paynesville Wind, LLC	IPP	Paynesville Wind Farm	MN	58693	1	95.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	95.0
2017	12	56424	Quilt Block Wind Farm LLC	IPP	Quilt Block Wind Farm LLC	WI	57116	GEN 1	98.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	98.0
2017	12	59701	RE Tranquillity 8 LLC	IPP	RE Tranquillity 8	CA	59940	TQ8	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	205.3
2017	12	58843	Searchlight Wind Energy LLC	IPP	Searchlight Wind	NV	58988	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2018	1	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN8	1.6	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2018	1	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	CTG2	186.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	235.0
2018	1	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	STG	305.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	350.0
2018	1	2719	CalWind Resources Inc	IPP	Tehachapi Wind Resource II	CA	54909	PLAN	15.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.5
2018	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	CA1	388.9	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
2018	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	GT1	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2018	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	GT2	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2018	1	58763	LotusWorks-Summit Ridge I, LLC	IPP	Summit Ridge I Wind Farm	OR	58894	SRWF	151.8	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	151.8
2018	1	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC1	460.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	475.0
2018	1	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC2	248.8	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	248.8
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT1	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT2	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT3	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT4	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT5	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT6	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	GT7	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	66.0
2018	1	16534	Sacramento Municipal Util Dist	Electric Utility	White Rock/Slab Creek	CA	435	H3	2.6	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.6
2018	2	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT5	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	CTG-1	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2018	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	CTG-2	229.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232.0
2018	2	59686	Coronado Power Ventures LLC	IPP	Pinecrest Energy Center	TX	59923	STG	289.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	289.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT11	286.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	286.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT12	286.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	286.0
2018	2	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	STG11	436.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	436.0
2018	3	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT6	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	3	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	CTG-1	211.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	230.0
2018	3	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	CTG-2	211.5	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	230.0
2018	3	59686	Coronado Power Ventures LLC	IPP	La Paloma Energy Center	TX	59924	STG-1	300.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	311.0
2018	3	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	CA1	388.9	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
2018	3	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	GT1	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2018	3	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	GT2	219.7	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208.3
2018	3	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	6-1	215.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	238.0
2018	4	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT7	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.9
2018	4	59683	Rockwood Energy Center LLC	IPP	Rockwood Energy Center LLC	TX	59918	ROCKW	1,068.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	1,068.0
2018	4	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	1	27.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	18.2
2018	4	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	2	27.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	18.2
2018	5	59283	Gateway Energy Center, LLC	IPP	Gateway Energy Center, LLC	NJ	59538	CT001	442.8	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	440.0
2018	5	59675	Moxie Freedom LLC	IPP	Moxie Freedom Generation Plant	PA	59906	GEN1	490.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	529.0
2018	5	59675	Moxie Freedom LLC	IPP	Moxie Freedom Generation Plant	PA	59906	GEN2	490.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	529.0
2018	5	59490	Neches Station, LLC	IPP	Neches Station, LLC	TX	59716	CTG1	223.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2018	5	59490	Neches Station, LLC	IPP	Neches Station, LLC	TX	59716	CTG2	223.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	232.0
2018	6	59687	AltaGas Sonoran Energy Inc	IPP	Sonoran Energy Project	CA	59925	GEN1	510.7	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	553.0
2018	6	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	CTG1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	210.0
2018	6	6035	Exelon Power	IPP	Exelon West Medway II LLC	MA	59882	4	97.4	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2018	6	6035	Exelon Power	IPP	Exelon West Medway II LLC	MA	59882	5	97.4	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	100.0
2018	6	58409	Future Power PA	IPP	Good Spring NGCC Facility	PA	58409	GT1	232.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	250.0
2018	6	58409	Future Power PA	IPP	Good Spring NGCC Facility	PA	58409	ST1	108.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	108.0
2018	6	59588	Lake Creek 3 Power Company LLC	IPP	Lake Creek	TX	3502	CT1	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	55983	Luminant Generation Company LLC	IPP	DeCordova Steam Electric Station	TX	8063	CT5	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	55983	Luminant Generation Company LLC	IPP	DeCordova Steam Electric Station	TX	8063	CT6	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	235.5
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCA1	224.9	All Other	WH	CA	(L) Regulatory approvals pending. Not under construction	246.5
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCT1	177.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	195.5
2018	6	59487	Moundsville Power, LLC	IPP	Moundsville Power	WV	59720	MPCT2	177.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	195.5
2018	6	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC1	310.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	310.3
2018	6	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC2	284.8	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	284.8
2018	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT1	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT2	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT3	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT4	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	106.0
2018	6	54866	Robinson Power Company LLC	IPP	Robinson Power Company LLC	PA	56453	CTG1	699.2	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	732.6
2018	6	40192	Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G401	200.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	259.0
2018	6	40192	Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G501	200.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	259.0
2018	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	2	642.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	670.0
2018	6	56883	Tradinghouse Power Company LLC	IPP	Tradinghouse	TX	3506	CT1	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	235.5
2018	6	56883	Tradinghouse Power Company LLC	IPP	Tradinghouse	TX	3506	CT2	207.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	235.5
2018	6	56927	Wallingford Energy LLC	IPP	Wallingford Energy	CT	55517	CTG6	45.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2018	6	56927	Wallingford Energy LLC	IPP	Wallingford Energy	CT	55517	CTG7	45.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2018	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC1	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.5
2018	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC2	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.5
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG1	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG2	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG3	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.0
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG1	64.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	64.0

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG2	64.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	64.0
2018	7	54863	U S Power Generating Company LLC	IPP	Gowanus Gas Turbines Generating	NY	2494	SS	90.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	93.0
2018	8	56615	First Solar Project Development	IPP	Snow Mountain Solar, LLC	NV	59935	GEN01	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2018	10	56963	Beaver Wood Energy Fair Haven, LLC	Electric CHP	Beaver Wood Energy Fair Haven, LLC	VT	57634	GEN1	29.5	Other Waste Biomass	OBS	ST	(L) Regulatory approvals pending. Not under construction	34.0
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 6	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 7	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 8	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 9	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC10	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC11	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.3
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	02B	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.0
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	03A	40.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.0
2018	12	59432	Clear Creek Power	IPP	Highland Park Project	CO	59659	HPWT	198.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	198.0
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT1	197.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.3
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT2	197.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	222.3
2018	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	ST	191.3	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	227.7
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-1	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-2	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-3	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-4	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-5	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-6	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.5
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-1	50.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	51.0
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-2	50.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	51.0
2018	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	C	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	125.0
2018	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	D	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	125.0
2018	12	57470	Noble Energy Systems, Inc.	IPP	Pea Patch Wind Farm	MD	58087	PEAP	50.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	50.0
2018	12	4202	Phillips 66-Ponca City Refinery	Industrial	Ponca City Refinery	OK	52188	G1A	3.0	Other Gases	OG	ST	(P) Planned for installation, but regulatory approvals not initiated	5.0
2018	12	59646	Summit Texas Clean Energy	IPP	Texas Clean Energy Project	TX	59859	TCE1A	274.0	Other Gases	OG	CT	(P) Planned for installation, but regulatory approvals not initiated	274.0
2018	12	59646	Summit Texas Clean Energy	IPP	Texas Clean Energy Project	TX	59859	TCE1B	126.0	Other Gases	OG	CA	(P) Planned for installation, but regulatory approvals not initiated	126.0
2018	12	2782	Terra-Gen Operating Company	IPP	Dixie Valley Power Partnership	NV	10681	GEN1	25.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	28.0
2018	12	19511	University of Alaska	Commercial	University of Alaska Fairbanks	AK	50711	GEN5	17.0	Conventional Steam Coal	SUB	ST	(P) Planned for installation, but regulatory approvals not initiated	17.0
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT01	324.4	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT02	324.4	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	CT03	324.4	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	369.8
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Greensville County Power Station	VA	59913	ST01	611.8	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	663.9
2019	1	56794	CE Obsidian Energy LLC	IPP	Black Rock I	CA	57477	G3201	60.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	70.0
2019	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG3	225.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	235.0
2019	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG4	225.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	235.0
2019	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	STG2	250.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2019	2	58768	Pondera Development LLC	IPP	CPV Pondera King Energy Center	TX	58910	CC	836.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	900.0
2019	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U001	346.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2019	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U002	346.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2019	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U003	346.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.0
2019	4	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58284	0002	40.2	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	42.3
2019	5	59677	Middlesex Energy Center LLC	IPP	Middlesex Energy Center LLC	NJ	59909	CT001	560.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	560.0
2019	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	4	268.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	321.0
2019	5	18454	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56352	1	149.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	180.0
2019	6	7277	Calpine Corporation	IPP	Wild Horse Power Plant	CA	57181	1	40.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	48.0
2019	6	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	3	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2019	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	CT1	224.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.5
2019	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	CT2	224.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235.5
2019	6	55983	Luminant Generation Company LLC	IPP	Eagle Mountain	TX	3489	ST1	344.4	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	382.5
2019	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2019	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.0
2019	6	17539	South Carolina Electric&Gas Company	Electric Utility	V C Summer	SC	6127	2	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG01	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG02	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG03	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG04	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG05	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG06	104.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	108.7
2019	12	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT1	301.5	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	319.5
2019	12	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT2	301.5	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	319.5
2019	12	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	ST	187.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	187.0
2019	12	28086	Energy Unlimited Inc	IPP	Painted Hills IV Wind	CA	56926	1	19.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	19.5
2019	12	56615	First Solar Project Development	IPP	Desert Quartzite	CA	59871	GEN01	300.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	300.0
2019	12	56983	Gibson County Generation LLC	IPP	Gibson County Generation Station	TN	57709	1	371.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	432.0
2019	12	56094	Medicine Bow Fuel & Power LLC	IPP	Medicine Bow Fuel & Power LLC	WY	56452	1	350.0	Conventional Steam Coal	BIT	ST	(P) Planned for installation, but regulatory approvals not initiated	350.0
2019	12	14354	PacifiCorp	Electric Utility	Blundell	UT	299	3	35.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	30.0
2019	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-A	687.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	687.0
2020	1	56794	CE Obsidian Energy LLC	IPP	Black Rock II	CA	57478	G3202	60.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	70.0
2020	5	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT5	42.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	60.0
2020	6	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	4	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2020	6	17539	South Carolina Electric&Gas Company	Electric Utility	V C Summer	SC	6127	3	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2020	9	7277	Calpine Corporation	IPP	Buckeye Geothermal Power Plant	CA	57180	1	49.9	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	56.9
2020	10	5580	East Kentucky Power Coop, Inc	Electric Utility	Green Valley LFGTE	KY	56278	4	0.8	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	0.8
2020	12	7277	Calpine Corporation	IPP	Telephone Flat	CA	55846	1	42.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	49.9
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	8	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	209.5
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	9	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	108.8
2020	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-B	813.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	813.0
2021	1	56794	CE Obsidian Energy LLC	IPP	Black Rock III	CA	57479	G303	60.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	70.0
2021	4	55927	Power4Georgians LLC	Electric Utility	Plant Washington	GA	56675	MAIN	850.0	Conventional Steam Coal	SUB	ST	(T) Regulatory approvals received. Not under construction	850.0
2021	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS1	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2021	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS2	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2021	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS3	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2021	5	18454	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56352	2	204.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	220.0
2022	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS4	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2022	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS5	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2022	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS6	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2022	12	56943	Blackstone Wind Farm III LLC	IPP	Blackstone Wind Farm III	IL	57618	GEN1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	12	56944	Blackstone Wind Farm IV LLC	IPP	Blackstone Wind Farm IV	IL	57619	GEN1	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	12	7277	Calpine Corporation	IPP	Four Mile Hill	CA	55845	1	42.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	49.9
2022	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-A	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750.0
2022	12	56425	Simpson Ridge Wind Farm LLC	IPP	Simpson Ridge Wind Farm LLC	WY	57117	GEN 1	50.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2023	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS7	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2023	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS8	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2023	5	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS9	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.0
2023	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-B	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750.0

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.

Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.

Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	10	733	Appalachian Power Co	Electric Utility	Clinch River	VA	3775	3	230.0	Conventional Steam Coal	BIT	ST
2015	10	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	5	90.0	Conventional Steam Coal	BIT	ST
2015	10	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	6	235.0	Conventional Steam Coal	BIT	ST
2015	10	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1	200.0	Conventional Steam Coal	BIT	ST
2015	10	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	2	200.0	Conventional Steam Coal	BIT	ST
2015	10	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	1	145.0	Conventional Steam Coal	BIT	ST
2015	10	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	2	145.0	Conventional Steam Coal	BIT	ST
2015	10	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	3	145.0	Conventional Steam Coal	BIT	ST
2015	10	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	4	145.0	Conventional Steam Coal	BIT	ST
2015	10	803	Arizona Public Service Co	Electric Utility	Cholla	AZ	113	2	260.0	Conventional Steam Coal	SUB	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN1	4.0	Wood/Wood Waste Biomass	BLQ	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN2	4.0	Wood/Wood Waste Biomass	BLQ	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN3	7.5	Wood/Wood Waste Biomass	BLQ	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN4	7.5	Wood/Wood Waste Biomass	BLQ	ST
2015	10	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Natural Gas Internal Combustion Engine	NG	IC
2015	10	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	2	52.0	Conventional Steam Coal	BIT	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	3	101.0	Conventional Steam Coal	BIT	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	4	115.0	Natural Gas Steam Turbine	NG	ST
2015	10	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	ST1	48.0	Conventional Steam Coal	BIT	ST
2015	10	9788	John Deere Harvester Works Co	Industrial	John Deere Harvester Works	IL	10039	GEN6	2.5	Conventional Steam Coal	BIT	ST
2015	10	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	3	68.0	Conventional Steam Coal	BIT	ST
2015	10	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	4	93.0	Conventional Steam Coal	BIT	ST
2015	11	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	5	0.5	Petroleum Liquids	DFO	IC
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBA	0.3	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBD	0.4	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	NONO	0.5	Conventional Hydroelectric	WAT	HY
2015	12	7175	General Mills Operations Inc	Industrial	General Mills Operations Lodi	CA	10031	1	3.2	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	12897	Moose Lake Water & Light Comm	Electric Utility	Moose Lake	MN	1996	2	1.1	Petroleum Liquids	DFO	IC
2015	12	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	4	335.0	Natural Gas Steam Turbine	NG	ST
2015	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Seminole (OK)	OK	2956	GT1	16.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS1	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS2	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS3	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS4	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS5	0.9	Conventional Hydroelectric	WAT	HY
2015	12	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS6	0.9	Conventional Hydroelectric	WAT	HY
2015	12	15466	Public Service Co of Colorado	Electric Utility	Ponnequin	CO	7937	30	9.9	Onshore Wind Turbine	WND	WT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Ponnequin	CO	7937	8	15.4	Onshore Wind Turbine	WND	WT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Zuni	CO	478	2	60.0	Natural Gas Steam Turbine	NG	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	1	6.6	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	2	7.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	3	20.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	4	46.4	Conventional Steam Coal	BIT	ST
2015	12	57427	RockTenn-Battle Creek Mill	Industrial	Battle Creek Mill	MI	58052	2TG	0.8	Natural Gas Steam Turbine	NG	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	10	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	5	107.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	6	107.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	7	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	8	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	9	141.0	Conventional Steam Coal	SUB	ST
2015	12	20838	Win-Sam Inc	Commercial	University of Texas at San Antonio	TX	54606	GEN1	3.3	Natural Gas Internal Combustion Engine	NG	IC
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	3	47.2	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Generating Station	WI	4054	1	103.1	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Generating Station	WI	4054	2	103.1	Conventional Steam Coal	SUB	ST
2016	1	8198	City of Harrisonburg - (VA)	Electric Utility	Harrisonburg Power Plant	VA	56006	ST-1	2.7	Natural Gas Steam Turbine	NG	ST
2016	1	9231	City of Independence - (MO)	Electric Utility	Missouri City	MO	2171	1	19.0	Conventional Steam Coal	BIT	ST
2016	1	9231	City of Independence - (MO)	Electric Utility	Missouri City	MO	2171	2	19.0	Conventional Steam Coal	BIT	ST
2016	1	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	4	16.5	Conventional Steam Coal	BIT	ST
2016	1	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	5	22.0	Conventional Steam Coal	BIT	ST
2016	1	11142	City of Logansport - (IN)	Electric Utility	Logansport	IN	1032	6	15.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	1	170.0	Conventional Steam Coal	SUB	ST
2016	1	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	3	445.0	Natural Gas Steam Turbine	NG	ST
2016	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	3	7801	Gulf Power Co	Electric Utility	Lansing Smith	FL	643	1	162.0	Conventional Steam Coal	BIT	ST
2016	3	7801	Gulf Power Co	Electric Utility	Lansing Smith	FL	643	2	195.0	Conventional Steam Coal	BIT	ST
2016	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN2	2.9	Landfill Gas	LFG	GT
2016	3	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN3	2.9	Landfill Gas	LFG	GT
2016	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN1	0.8	Landfill Gas	LFG	IC
2016	3	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN3	0.8	Landfill Gas	LFG	IC
2016	3	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas	LFG	IC
2016	4	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	4	156.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	B C Cobb	MI	1695	5	156.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	7	152.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J C Weadock	MI	1720	8	151.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	1	102.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	2	95.0	Conventional Steam Coal	SUB	ST
2016	4	4254	Consumers Energy Co	Electric Utility	J R Whiting	MI	1723	3	122.0	Conventional Steam Coal	SUB	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	2	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	3	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	4	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	5	95.0	Conventional Steam Coal	BIT	ST
2016	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	3	74.0	Conventional Steam Coal	BIT	ST
2016	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	4	75.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	3	40.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	4	56.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	5	62.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	6	99.0	Conventional Steam Coal	BIT	ST
2016	4	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	IC1	3.0	Petroleum Liquids	DFO	IC
2016	4	12341	MidAmerican Energy Co	Electric Utility	George Neal North	IA	1091	1	134.3	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	George Neal North	IA	1091	2	283.7	Conventional Steam Coal	SUB	ST
2016	4	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	U3J98	1.0	Landfill Gas	LFG	IC
2016	4	26840	Port Townsend Paper Co	Industrial	Port Townsend Paper	WA	50544	GEN4	3.0	Wood/Wood Waste Biomass	BLQ	ST
2016	4	15474	Public Service Co of Oklahoma	Electric Utility	Northeastern	OK	2963	4	460.0	Conventional Steam Coal	SUB	ST
2016	4	17698	Southwestern Electric Power Co	Electric Utility	Welsh	TX	6139	2	528.0	Conventional Steam Coal	SUB	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	1	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	2	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	3	178.0	Conventional Steam Coal	BIT	ST
2016	4	18642	Tennessee Valley Authority	Electric Utility	Colbert	AL	47	4	178.0	Conventional Steam Coal	BIT	ST
2016	5	4161	Constellation Power Source Gen	IPP	Riverside (MD)	MD	1559	4	74.0	Natural Gas Steam Turbine	NG	ST
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P2	24.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P1	10.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P2	10.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P4	59.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Rio Pinar	FL	637	P1	12.0	Petroleum Liquids	DFO	GT
2016	5	56217	Portsmouth Operating Services LLC	IPP	Portsmouth Genco LLC	VA	10071	GEN1	57.5	Conventional Steam Coal	BIT	ST

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2016	5	56217	Portsmouth Operating Services LLC	IPP	Portsmouth Genco LLC	VA	10071	GEN2	57.5	Conventional Steam Coal	BIT	ST
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC1	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC2	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC3	2.0	Petroleum Liquids	DFO	IC
2016	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC4	2.0	Petroleum Liquids	DFO	IC
2016	6	221	Alaska Village Elec Coop, Inc	Electric Utility	Mountain Village	AK	6329	4	0.6	Petroleum Liquids	DFO	IC
2016	6	1009	City of Austin - (MN)	Electric Utility	Austin Northeast	MN	1961	1	28.0	Natural Gas Steam Turbine	NG	ST
2016	6	3542	Duke Energy Ohio Inc	Electric Utility	Miami Fort	OH	2832	6	163.0	Conventional Steam Coal	BIT	ST
2016	6	50128	Georgia-Pacific Consr Ops LLC-Palatka	Industrial	Georgia-Pacific Palatka Operations	FL	10611	GEN2	7.0	Natural Gas Steam Turbine	NG	ST
2016	6	12807	Michigan South Central Pwr Agy	Electric Utility	Endicott Station	MI	4259	1	55.0	Conventional Steam Coal	BIT	ST
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2016	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
2016	6	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	2	13.0	Natural Gas Steam Turbine	NG	ST
2016	6	54842	WM Renewable Energy LLC	IPP	New Milford Gas Recovery	CT	50564	GEN4	0.8	Landfill Gas	LFG	IC
2016	7	7140	Georgia Power Co	Electric Utility	Mitchell (GA)	GA	727	3	155.0	Conventional Steam Coal	BIT	ST
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN1	0.4	Other Waste Biomass	OBG	IC
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN2	0.4	Other Waste Biomass	OBG	IC
2016	7	17578	South Orange Co Wastewtr Auth	Commercial	Aliso Water Management Agency	CA	10820	GEN3	0.4	Other Waste Biomass	OBG	IC
2016	8	14534	City of Pasadena - (CA)	Electric Utility	Broadway (CA)	CA	420	B3	71.0	Natural Gas Steam Turbine	NG	ST
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	1	1.3	Conventional Hydroelectric	WAT	HY
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	2	1.3	Conventional Hydroelectric	WAT	HY
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	3	1.3	Conventional Hydroelectric	WAT	HY
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	4	1.2	Conventional Hydroelectric	WAT	HY
2016	8	20847	Wisconsin Electric Power Co	Electric Utility	Twin Falls (MI)	MI	1784	5	1.2	Conventional Hydroelectric	WAT	HY
2016	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT1	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT2	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	11	55932	Georgia-Pacific Brewton LLC	Industrial	Georgia-Pacific Brewton Mill	AL	54789	1TG	10.5	Wood/Wood Waste Biomass	BLQ	ST
2016	12	4045	City of Columbia - (MO)	Electric Utility	Columbia (MO)	MO	2123	5	16.5	Conventional Steam Coal	BIT	ST
2016	12	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN7	95.0	Natural Gas Fired Combined Cycle	NG	CT
2016	12	8287	Hawaii Electric Light Co Inc	Electric Utility	Shipman	HI	6478	3	7.5	Petroleum Liquids	RFO	ST
2016	12	8287	Hawaii Electric Light Co Inc	Electric Utility	Shipman	HI	6478	4	7.5	Petroleum Liquids	RFO	ST
2016	12	49756	Illinois Power Resources Generating LLC	Electric Utility	E D Edwards	IL	856	1	95.0	Conventional Steam Coal	SUB	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	3	31.1	Natural Gas Steam Turbine	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	4	37.3	Natural Gas Steam Turbine	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC1	2.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC2	1.4	Petroleum Liquids	DFO	IC
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	El Cajon	CA	301	ENCI	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA2	59.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA3	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	13960	NRG Cabrillo Power Ops Inc	IPP	Miramar	CA	305	MRGT	36.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	1	159.0	Conventional Steam Coal	BIT	ST
2017	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	2	164.0	Conventional Steam Coal	BIT	ST
2017	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT2	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	1	482.0	Conventional Steam Coal	SUB	ST
2017	5	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Natural Gas Steam Turbine	NG	ST
2017	5	12628	NRG Chalk Point LLC	IPP	Chalk Point LLC	MD	1571	ST1	331.0	Conventional Steam Coal	BIT	ST
2017	5	12628	NRG Chalk Point LLC	IPP	Chalk Point LLC	MD	1571	ST2	336.0	Conventional Steam Coal	BIT	ST
2017	5	15452	PSEG Power Connecticut LLC	IPP	Bridgeport Station	CT	568	4	16.9	Petroleum Liquids	KER	GT
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	1	236.1	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	2	238.6	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	3	596.3	Conventional Steam Coal	BIT	ST
2017	6	58534	Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	4	434.0	Petroleum Liquids	RFO	ST
2017	6	54899	NAES Corporation - (DE)	IPP	McKee Run	DE	599	1	17.0	Natural Gas Steam Turbine	NG	ST
2017	6	54899	NAES Corporation - (DE)	IPP	McKee Run	DE	599	2	17.0	Natural Gas Steam Turbine	NG	ST
2017	6	18642	Tennessee Valley Authority	Electric Utility	Paradise	KY	1378	1	628.0	Conventional Steam Coal	BIT	ST
2017	6	18642	Tennessee Valley Authority	Electric Utility	Paradise	KY	1378	2	602.0	Conventional Steam Coal	BIT	ST
2017	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3	103.8	Conventional Hydroelectric	WAT	HY
2017	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4	103.8	Conventional Hydroelectric	WAT	HY
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT1	0.5	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT2	0.3	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT3	0.3	Landfill Gas	LFG	IC
2017	10	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT4	0.3	Landfill Gas	LFG	IC
2017	12	463	Ameresco LFG I Inc	IPP	Al Turi	NY	10549	3010	0.8	Landfill Gas	LFG	IC
2017	12	56730	Cedar Bay Operating Services LLC	Electric CHP	Cedar Bay Generating Company LP	FL	10672	GEN1	250.0	Conventional Steam Coal	BIT	ST
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	4	83.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT1	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT2	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT1	15.5	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	13.2	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	14.3	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT4	15.3	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	1	1.9	Petroleum Liquids	DFO	IC
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	2	1.8	Petroleum Liquids	DFO	IC
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	3	1.8	Petroleum Liquids	DFO	IC
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT1	21.8	Petroleum Liquids	DFO	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT2	25.9	Petroleum Liquids	DFO	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	1	13.0	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	3	85.6	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	2	20.4	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	1	28.7	Natural Gas Steam Turbine	NG	ST
2017	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	3	82.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	2	104.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	3	110.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	4	300.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	5	330.0	Natural Gas Steam Turbine	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	ST1	106.0	Natural Gas Steam Turbine	NG	ST
2017	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	4	257.0	Conventional Steam Coal	BIT	ST
2017	12	59099	New Dimension Energy Company, LLC	IPP	Altamont Midway Ltd	CA	50001	WTGS	10.9	Onshore Wind Turbine	WND	WT
2017	12	59099	New Dimension Energy Company, LLC	IPP	Dyer Road	CA	50818	GEN1	10.5	Onshore Wind Turbine	WND	WT
2017	12	59099	New Dimension Energy Company, LLC	IPP	Santa Clara (85C)	CA	50534	WGNS	18.0	Onshore Wind Turbine	WND	WT
2017	12	13781	Northern States Power Co - Minnesota	Electric Utility	Red Wing	MN	1926	1	9.0	Municipal Solid Waste	MSW	ST
2017	12	13781	Northern States Power Co - Minnesota	Electric Utility	Red Wing	MN	1926	2	9.0	Municipal Solid Waste	MSW	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	1	51.0	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	2	51.0	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	3	116.5	Natural Gas Steam Turbine	NG	ST
2017	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	4	257.0	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN1	1.6	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN2	1.6	Natural Gas Steam Turbine	NG	ST
2017	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN4	5.2	Natural Gas Steam Turbine	NG	ST
2017	12	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	5	184.0	Conventional Steam Coal	BIT	ST
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	2	340.0	Conventional Steam Coal	BIT	ST
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	3	497.0	Conventional Steam Coal	BIT	ST

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	1	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	2	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	3	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	4	107.0	Conventional Steam Coal	SUB	ST
2018	1	12541	City of Milford - (IA)	Electric Utility	Milford	IA	1164	1	0.6	Petroleum Liquids	DFO	IC
2018	1	12541	City of Milford - (IA)	Electric Utility	Milford	IA	1164	4	0.5	Petroleum Liquids	DFO	IC
2018	1	17891	City of St Marys - (OH)	Electric Utility	St Marys	OH	2942	7	12.0	Petroleum Liquids	DFO	GT
2018	4	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	1	370.0	Conventional Steam Coal	BIT	ST
2018	4	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	2	499.0	Conventional Steam Coal	BIT	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	1	28.0	Natural Gas Steam Turbine	NG	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	2	29.0	Natural Gas Steam Turbine	NG	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	3	71.0	Natural Gas Steam Turbine	NG	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	2	173.0	Conventional Steam Coal	BIT	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	3	173.0	Conventional Steam Coal	BIT	ST
2018	5	12653	GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	ST1	173.0	Conventional Steam Coal	BIT	ST
2018	6	9397	International Turbine Res Inc	IPP	Dinosaur Point	CA	10005	WTGS	17.0	Onshore Wind Turbine	WND	WT
2018	7	7308	Hawkeye Energy Greenport LLC	IPP	Hawkeye Energy Greenport LLC	NY	55969	U-01	52.5	Petroleum Liquids	KER	GT
2018	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	1	113.0	Natural Gas Steam Turbine	NG	ST
2018	12	16604	City of San Antonio - (TX)	Electric Utility	J T Deely	TX	6181	1	420.0	Conventional Steam Coal	SUB	ST
2018	12	16604	City of San Antonio - (TX)	Electric Utility	J T Deely	TX	6181	2	420.0	Conventional Steam Coal	SUB	ST
2018	12	12384	Midwest Generations EME LLC	IPP	Will County	IL	884	4	510.0	Conventional Steam Coal	SUB	ST
2018	12	17539	South Carolina Electric&Gas Company	Electric Utility	McMeekin	SC	3287	1	125.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Company	Electric Utility	McMeekin	SC	3287	2	125.0	Conventional Steam Coal	BIT	ST
2018	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	4	294.9	Conventional Steam Coal	SUB	ST
2019	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8	103.8	Conventional Hydroelectric	WAT	HY
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	1	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	2	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3	2.0	Petroleum Liquids	DFO	IC
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	1	191.0	Conventional Steam Coal	BIT	ST
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	2	185.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	1	138.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	2	137.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	1	64.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	2	66.0	Conventional Steam Coal	BIT	ST
2019	12	56706	Chevron Technology Ventures	IPP	Questa Solar Facility	NM	57369	QST	1.0	Solar Photovoltaic	SUN	PV
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	1	74.0	Natural Gas Steam Turbine	NG	ST
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	3	102.0	Natural Gas Steam Turbine	NG	ST
2019	12	55951	Exelon Nuclear	IPP	Oyster Creek	NJ	2388	1	609.9	Nuclear	NUC	ST
2019	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	1	49.8	Conventional Steam Coal	SUB	ST
2019	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	2	47.1	Conventional Steam Coal	SUB	ST
2019	12	11820	Massachusetts Inst of Tech	Commercial	Mass Inst Tech Cntrl Utilities/Cogen Plt	MA	54907	CTG1	19.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	3	107.0	Natural Gas Steam Turbine	NG	ST
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	3	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	4	14.2	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	5	41.5	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	6	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	20856	Wisconsin Power & Light Co	Electric Utility	Sheepskin	WI	4059	1	28.4	Natural Gas Fired Combustion Turbine	NG	GT
2020	1	21622	The University of Texas at Dallas	Commercial	University of Texas at Dallas	TX	54607	GEN1	3.5	Natural Gas Internal Combustion Engine	NG	IC
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	5	55.0	Conventional Steam Coal	SUB	ST
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	6	55.0	Conventional Steam Coal	SUB	ST
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	7	78.0	Conventional Steam Coal	SUB	ST
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	8	78.0	Conventional Steam Coal	SUB	ST
2020	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	9	78.0	Conventional Steam Coal	SUB	ST
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P2	25.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P3	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P4	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	6	58177	Raven Power Holdings LLC	IPP	C P Crane	MD	1552	1	190.0	Conventional Steam Coal	SUB	ST
2020	6	58177	Raven Power Holdings LLC	IPP	C P Crane	MD	1552	2	195.0	Conventional Steam Coal	SUB	ST
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL00	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL01	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL02	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL03	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL04	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL05	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL06	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL07	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL08	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL09	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL10	0.1	Other Waste Biomass	OBG	FC
2020	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Lake Road (MO)	MO	2098	4	96.3	Conventional Steam Coal	SUB	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	1	174.0	Natural Gas Steam Turbine	NG	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	2	177.0	Natural Gas Steam Turbine	NG	ST
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	2	58.0	Conventional Steam Coal	SUB	ST
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	3	80.0	Conventional Steam Coal	SUB	ST
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D1	0.2	Petroleum Liquids	DFO	IC
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D2	0.1	Petroleum Liquids	DFO	IC
2020	12	19099	TransAlta Centralia Gen LLC	IPP	Transalta Centralia Generation	WA	3845	1	670.0	Conventional Steam Coal	SUB	ST
2020	12	19148	Veolia Energy Trenton L.P	Commercial	Veolia Energy Trenton L.P.	NJ	50094	7214	5.8	Natural Gas Internal Combustion Engine	NG	IC
2021	1	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	1	76.0	Natural Gas Steam Turbine	NG	ST
2021	1	15248	Portland General Electric Co	Electric Utility	Boardman	OR	6106	1	585.0	Conventional Steam Coal	SUB	ST
2021	5	58435	Collinwood BioEnergy	Industrial	Collinwood BioEnergy Facility	OH	58439	CBE01	1.0	Other Waste Biomass	OBG	IC
2021	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2	113.0	Natural Gas Steam Turbine	NG	ST
2021	12	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	2	164.0	Conventional Steam Coal	SUB	ST
2021	12	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	3	176.0	Conventional Steam Coal	SUB	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	1	46.0	Natural Gas Steam Turbine	NG	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	2	46.0	Natural Gas Steam Turbine	NG	ST
2021	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	1	254.0	Conventional Steam Coal	BIT	ST
2022	1	59409	Eco Services Operations LLC	Industrial	Houston Plant	TX	52065	GEN2	1.5	All Other	OTH	ST
2022	8	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Natural Gas Steam Turbine	NG	ST
2022	9	177	AES Hawaii Inc	Electric CHP	AES Hawaii	HI	10673	GEN1	180.0	Conventional Steam Coal	BIT	ST
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY1	0.7	Conventional Hydroelectric	WAT	HY
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY2	0.7	Conventional Hydroelectric	WAT	HY
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	STM	24.0	Natural Gas Fired Combined Cycle	NG	CA
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	4	0.4	Conventional Hydroelectric	WAT	HY
2023	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	6	166.0	Natural Gas Steam Turbine	NG	ST
2024	7	1951	White Pine Electric Power LLC	IPP	White Pine Electric Power	MI	10148	GEN1	18.0	Natural Gas Steam Turbine	NG	ST
2024	7	1951	White Pine Electric Power LLC	IPP	White Pine Electric Power	MI	10148	GEN3	18.0	Natural Gas Steam Turbine	NG	ST
2034	3	58710	Lakeswind Power Partners	IPP	Lakeswind Power Partners	MN	58836	LW1	50.0	Onshore Wind Turbine	WND	WT
2034	6	58944	Enerparc CA 1, LLC	IPP	Enerparc CA1 LLC	CA	59122	ECA11	1.5	Solar Photovoltaic	SUN	PV
2045		195	Alabama Power Co	Electric Utility	Holt Dam	AL	12	1	45.0	Conventional Hydroelectric	WAT	HY
2050	7	59381	EE Kettleman California LLC	IPP	Kettleman Solar -Centaurus	CA	59633	KS	20.0	Solar Photovoltaic	SUN	PV

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a signifciant portion of capacity for some technologies such as solar photovoltaic generation.

Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.

Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2013-September 2015

	Coal	Natural Gas				Petroleum		
Period		Natural Gas Fired Combined Cycle	Natural Gas Fired Combustion Turbine	Steam Turbine	Internal Combustion Engine	Steam Turbine	Petroleum Liquids Fired Combustion Turbine	Internal Combustion Engine
Annual Factors								
2013	59.7%	48.2%	4.9%	10.6%	6.1%	12.1%	0.8%	2.2%
2014	61.0%	48.3%	5.2%	10.4%	8.5%	12.5%	1.1%	1.4%
Year 2013								
January	61.2%	46.3%	3.6%	7.3%	4.6%	10.0%	0.7%	2.7%
February	60.6%	46.7%	3.4%	6.7%	4.7%	9.7%	0.4%	2.0%
March	57.7%	44.1%	4.0%	6.8%	5.7%	9.6%	0.3%	1.9%
April	51.3%	40.4%	4.3%	7.3%	6.1%	11.6%	0.6%	2.4%
May	52.9%	41.5%	4.5%	9.5%	5.2%	13.0%	0.7%	2.1%
June	63.4%	50.9%	5.1%	14.7%	6.9%	15.4%	0.8%	1.7%
July	67.9%	58.3%	8.5%	18.6%	8.4%	17.5%	2.1%	2.3%
August	66.3%	60.2%	6.8%	17.6%	8.5%	14.4%	0.9%	2.2%
Sept	61.2%	52.6%	5.6%	14.0%	6.7%	14.1%	1.3%	2.0%
October	54.4%	45.4%	3.9%	8.5%	5.5%	12.7%	0.7%	2.0%
November	56.2%	44.9%	3.9%	7.1%	4.5%	7.3%	0.6%	2.2%
December	63.7%	47.1%	4.6%	8.5%	6.1%	10.2%	0.7%	2.7%
Year 2014								
January	71.2%	47.2%	6.6%	10.0%	7.8%	19.5%	3.8%	2.3%
February	71.9%	42.5%	4.7%	9.2%	8.7%	12.0%	0.9%	1.5%
March	61.7%	39.7%	4.7%	7.2%	7.1%	13.7%	1.1%	1.4%
April	51.1%	40.3%	3.8%	7.2%	7.9%	9.4%	0.5%	1.0%
May	54.1%	45.0%	5.0%	9.8%	7.8%	10.2%	0.6%	1.6%
June	64.8%	51.1%	5.4%	11.8%	7.6%	14.8%	0.9%	1.3%
July	67.9%	57.7%	6.2%	15.2%	9.7%	15.0%	1.0%	1.5%
August	67.5%	61.0%	6.6%	16.9%	11.0%	14.4%	1.3%	1.5%
Sept	59.2%	55.4%	5.7%	12.7%	9.5%	13.5%	0.7%	1.4%
October	50.7%	49.0%	5.2%	10.6%	8.8%	8.6%	0.7%	1.3%
November	56.0%	43.7%	4.5%	7.6%	8.3%	7.7%	0.8%	1.2%
December	56.6%	46.2%	4.1%	5.9%	7.2%	10.7%	0.6%	1.1%
Year 2015								
January	62.0%	53.1%	4.0%	6.8%	NA	12.6%	0.6%	8.2%
February	65.4%	52.7%	6.0%	8.8%	NA	22.3%	1.7%	6.7%
March	50.6%	51.1%	4.9%	8.7%	NA	8.3%	0.7%	5.5%
April	42.9%	48.3%	5.6%	10.4%	NA	12.1%	1.1%	7.1%
May	49.8%	50.5%	6.9%	9.8%	NA	13.7%	1.4%	7.1%
June	62.5%	61.8%	8.3%	14.1%	NA	13.5%	1.3%	6.5%
July	66.7%	67.7%	10.7%	20.0%	NA	18.4%	1.6%	9.2%
August	64.7%	67.3%	8.7%	19.9%	NA	17.4%	1.5%	10.3%
Sept	58.5%	62.0%	7.9%	15.0%	NA	17.0%	1.5%	7.3%

Values for 2014 and prior years are final. Values for 2015 are preliminary. NA = Not Available

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; 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 6.7.B. Capacity Factors for Utility Scale Generators Not Primarily Using Fossil Fuels, January 2013-September 2015

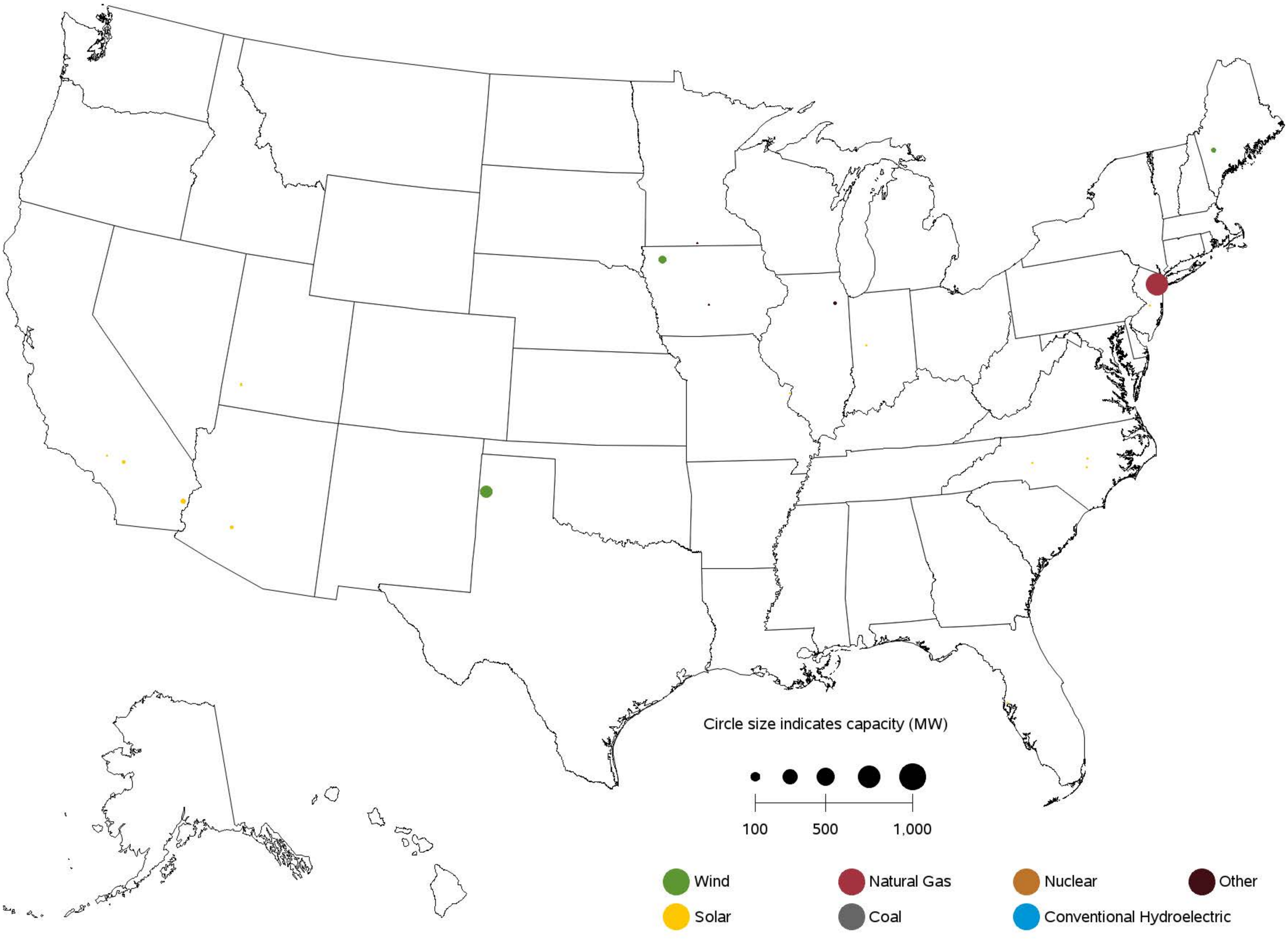
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Muncipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2013	89.9%	38.9%	32.4%	NA	NA	68.9%	56.7%	73.6%
2014	91.7%	37.3%	34.0%	25.9%	19.8%	68.9%	58.9%	74.0%
Year 2013								
January	93.9%	42.3%	33.5%	NA	NA	66.0%	56.5%	76.9%
February	90.3%	38.3%	35.4%	NA	NA	65.2%	56.0%	76.1%
March	83.4%	34.8%	35.9%	NA	NA	69.0%	55.4%	76.8%
April	77.6%	44.4%	41.1%	NA	NA	66.9%	44.8%	73.3%
May	83.3%	48.4%	37.0%	NA	NA	70.4%	50.5%	71.7%
June	93.1%	48.3%	32.4%	NA	NA	71.0%	54.8%	72.4%
July	95.6%	46.8%	25.3%	NA	NA	71.1%	58.2%	73.3%
August	96.7%	37.2%	22.0%	NA	NA	71.9%	64.8%	72.5%
Sept	92.2%	29.9%	27.4%	NA	NA	69.4%	61.1%	73.6%
October	85.7%	29.2%	31.0%	NA	NA	66.6%	57.9%	74.7%
November	91.0%	31.1%	37.0%	NA	NA	69.5%	61.0%	68.8%
December	96.6%	35.9%	31.3%	NA	NA	69.9%	59.0%	73.0%
Year 2014								
January	99.1%	36.7%	40.3%	NA	NA	68.1%	60.0%	74.0%
February	94.0%	32.6%	34.8%	NA	NA	68.3%	59.5%	73.3%
March	84.5%	40.7%	39.8%	NA	NA	69.6%	59.7%	73.5%
April	78.8%	44.5%	43.2%	NA	NA	69.9%	49.5%	74.6%
May	85.2%	44.6%	34.9%	NA	NA	70.6%	48.2%	73.2%
June	95.4%	44.8%	36.5%	NA	NA	70.8%	63.0%	73.4%
July	97.5%	41.3%	27.0%	NA	NA	73.1%	63.4%	72.5%
August	96.4%	33.7%	22.5%	30.9%	25.4%	71.1%	62.8%	73.0%
Sept	94.6%	28.2%	26.1%	30.7%	26.3%	68.9%	61.2%	74.2%
October	84.5%	29.2%	31.6%	26.5%	21.1%	64.4%	56.5%	73.9%
November	91.3%	32.6%	42.3%	22.3%	13.8%	66.1%	62.1%	77.3%
December	99.6%	37.8%	30.4%	15.1%	5.6%	65.4%	60.8%	75.5%
Year 2015								
January	101.3%	41.5%	31.7%	19.7%	5.1%	67.4%	54.1%	73.7%
February	95.8%	42.5%	34.4%	26.2%	15.9%	62.2%	57.3%	74.2%
March	88.0%	41.8%	31.7%	30.5%	24.2%	59.0%	49.4%	75.0%
April	84.2%	39.3%	37.8%	34.3%	32.5%	65.5%	40.7%	70.6%
May	89.8%	34.1%	35.2%	34.0%	31.1%	67.3%	46.9%	74.4%
June	96.4%	35.0%	28.3%	34.4%	34.5%	69.6%	53.1%	72.3%
July	97.2%	35.5%	27.7%	33.9%	35.1%	70.8%	58.5%	72.7%
August	98.6%	33.0%	26.0%	33.7%	32.8%	70.2%	59.8%	72.1%
Sept	93.5%	28.4%	28.2%	29.2%	27.5%	65.2%	50.8%	65.9%

Values for 2014 and prior years are final. Values for 2015 are preliminary. NA = Not Available

Notes: Solar Thermal Capacity Factors include generation from plants using concentrated solar power energy storage.

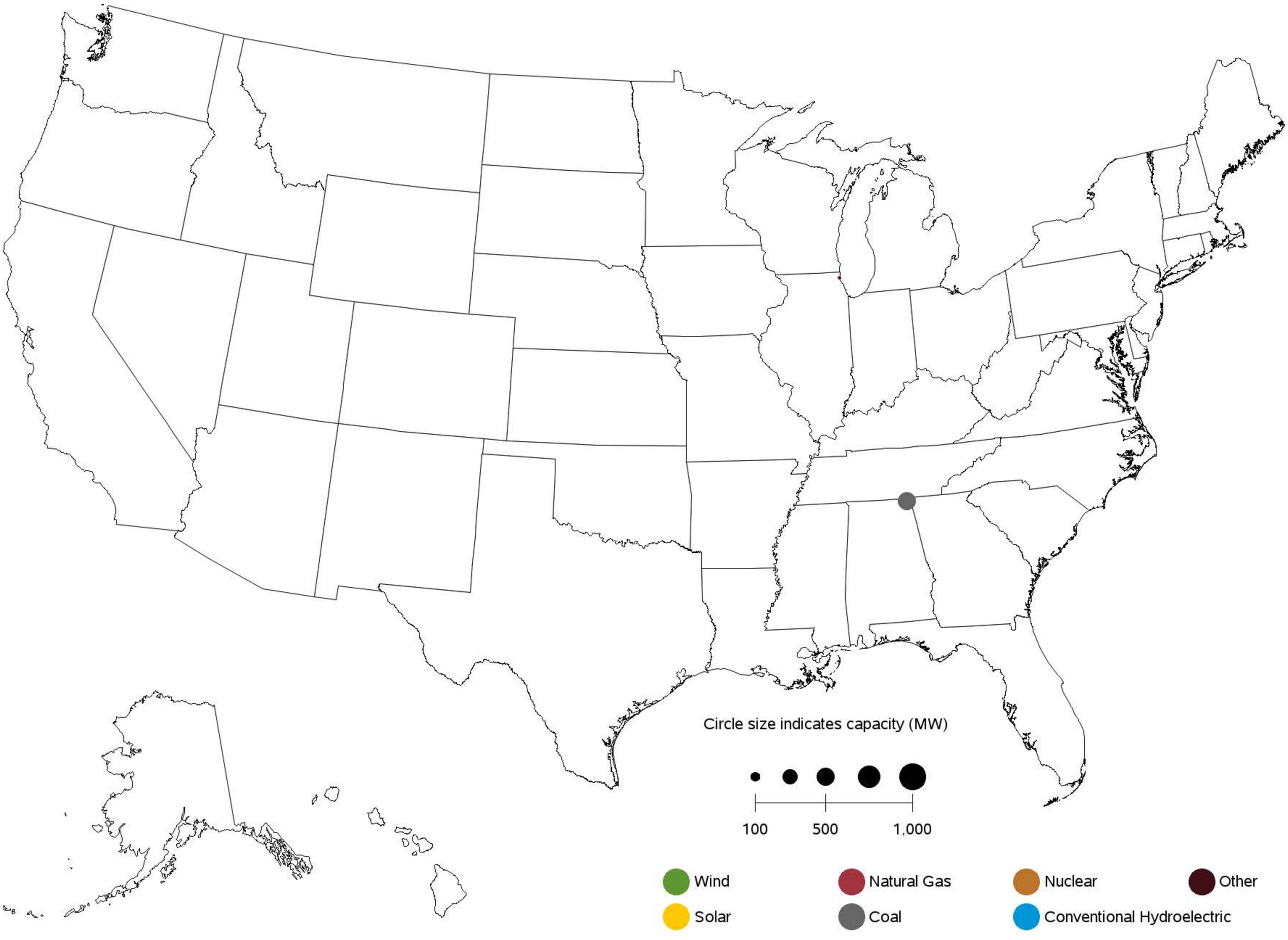
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility-Scale Generating Units Added in September 2015



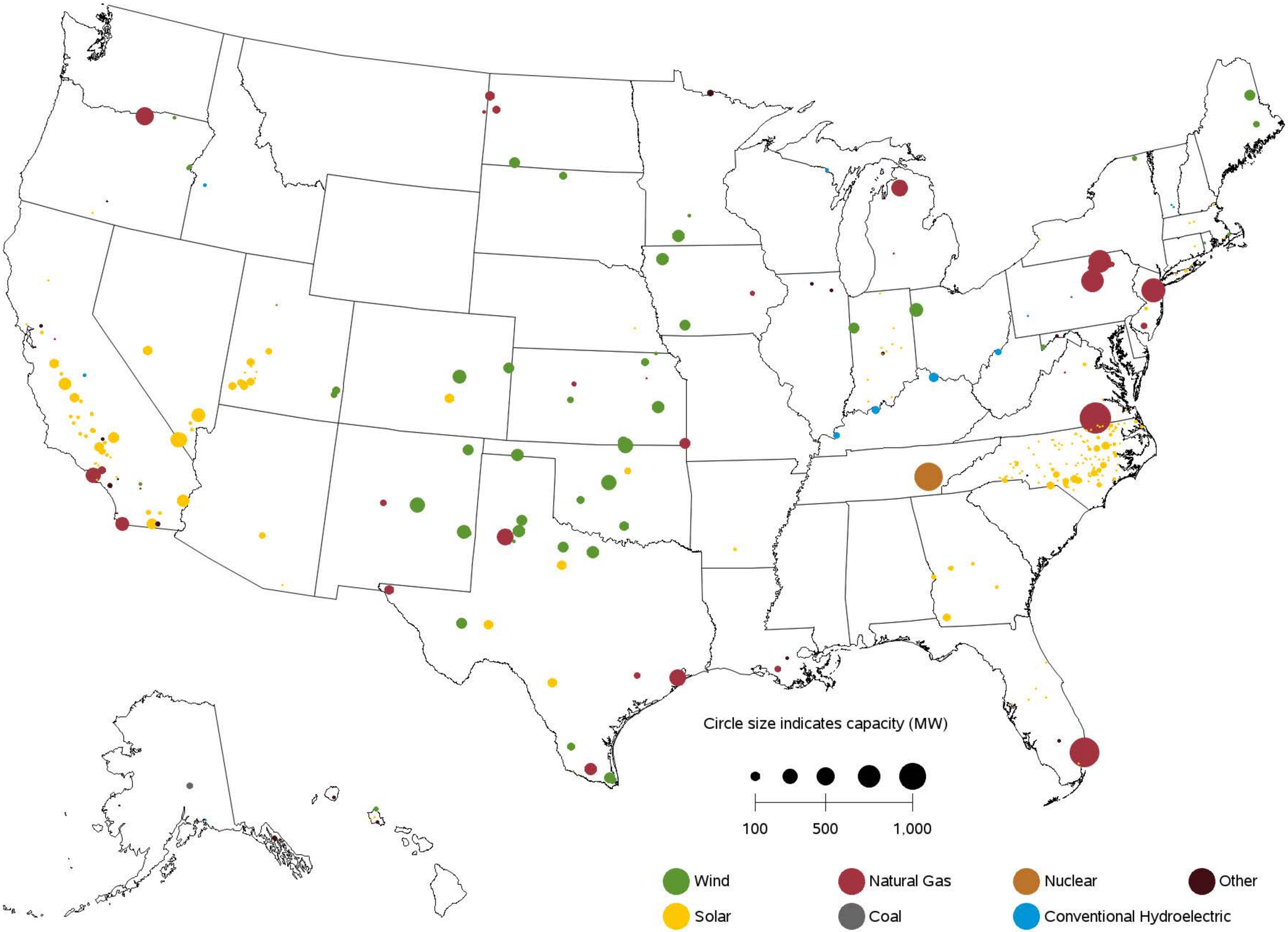
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in September 2015



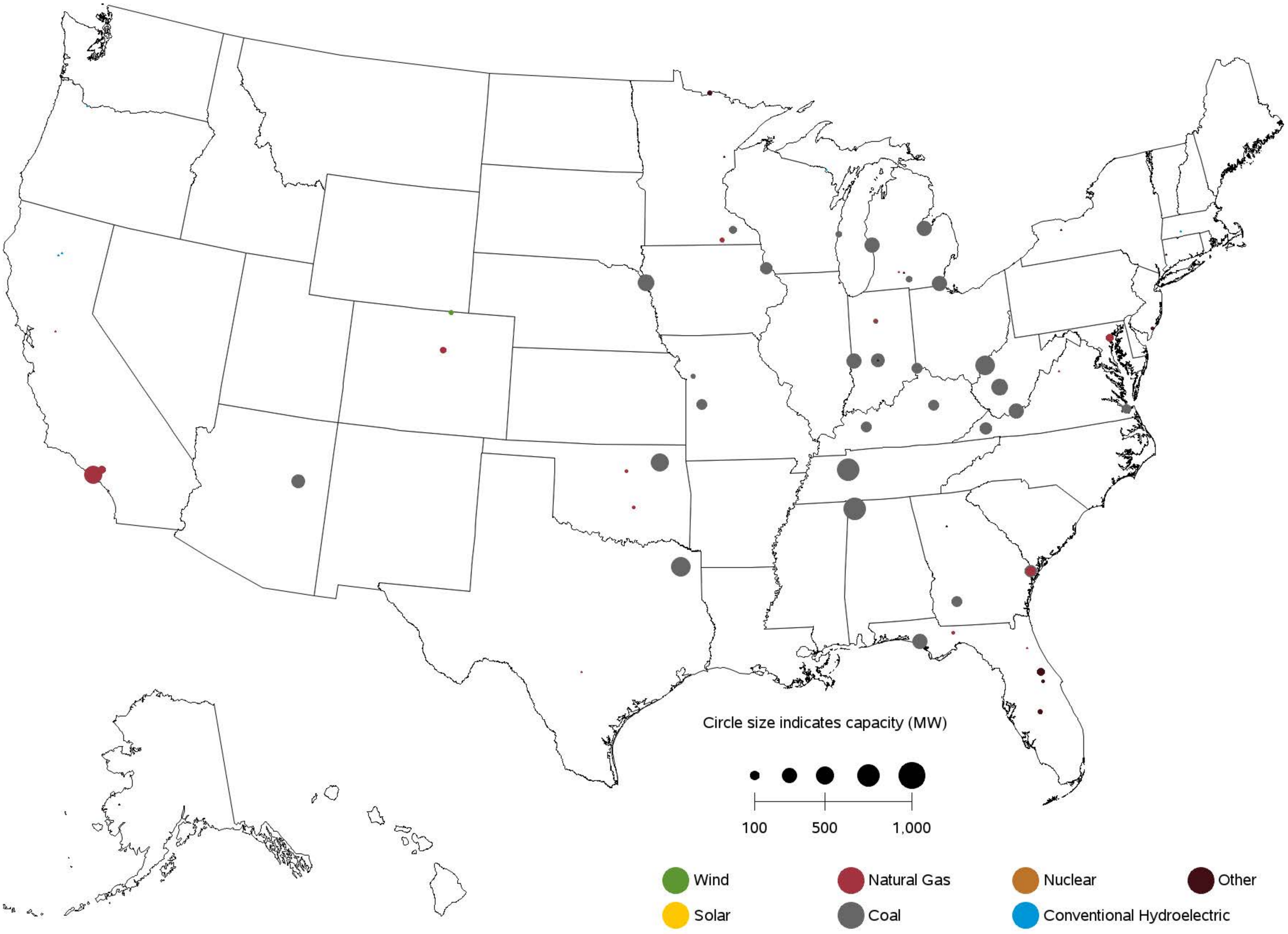
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from October 2015 to September 2016



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

Figure 6.1.D. Utility-Scale Generating Units Planned to Retire from October 2015 to September 2016



Sources: 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 A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**13**	**0**	**1**	**0**	**0**	**21**
Connecticut	0	23	0	2	0	0	91
Maine	0	6	0	6	0	0	26
Massachusetts	3	23	0	1	0	0	65
New Hampshire	0	97	0	1	0	0	54
Rhode Island	0	69	0	2	0	0	881
Vermont	0	149	0	0	0	0	56
Middle Atlantic	**2**	**16**	**35**	**1**	**29**	**0**	**4**
New Jersey	0	91	95	1	71	0	329
New York	5	20	0	1	0	0	4
Pennsylvania	2	22	37	1	25	0	41
East North Central	**0**	**3**	**2**	**1**	**11**	**0**	**17**
Illinois	0	6	0	3	51	0	121
Indiana	0	6	0	2	13	0	32
Michigan	2	8	12	5	0	0	31
Ohio	1	3	1	1	31	0	68
Wisconsin	0	26	0	3	0	0	25
West North Central	**1**	**8**	**49**	**4**	**138**	**0**	**5**
Iowa	2	15	49	11	0	0	44
Kansas	0	4	0	22	0	0	424
Minnesota	3	53	0	4	0	0	46
Missouri	0	1	0	7	0	0	16
Nebraska	2	75	0	18	0	0	35
North Dakota	2	12	0	43	138	0	0
South Dakota	0	80	0	24	0	0	0
South Atlantic	**0**	**6**	**0**	**0**	**0**	**0**	**12**
Delaware	0	44	0	3	0	0	0
District of Columbia	0	0	0	105	0	0	0
Florida	0	6	0	0	0	0	131
Georgia	0	47	0	0	0	0	22
Maryland	0	13	0	5	0	0	4
North Carolina	1	37	0	0	0	0	19
South Carolina	0	26	0	1	0	0	33
Virginia	3	4	0	0	0	0	38
West Virginia	0	0	0	0	0	0	49
East South Central	**1**	**8**	**0**	**1**	**97**	**0**	**8**
Alabama	1	51	0	1	127	0	12
Kentucky	1	5	0	3	0	0	12
Mississippi	0	16	0	1	0	0	0
Tennessee	0	3	0	1	0	0	12
West South Central	**0**	**6**	**2**	**0**	**3**	**0**	**9**
Arkansas	0	0	0	1	0	0	10
Louisiana	0	1	2	1	4	0	0
Oklahoma	1	28	0	1	0	0	29
Texas	0	11	27	0	5	0	47
Mountain	**1**	**8**	**0**	**1**	**14**	**0**	**3**
Arizona	0	2	0	1	0	0	2
Colorado	0	84	0	2	0	0	23
Idaho	48	9,400	0	5	0	0	8
Montana	4	64	0	30	0	0	6
Nevada	0	1	0	1	0	0	3
New Mexico	0	22	0	5	0	0	95
Utah	1	29	0	5	0	0	44
Wyoming	2	17	0	33	15	0	8
Pacific Contiguous	**1**	**14**	**199**	**1**	**4**	**0**	**1**
California	26	11	199	1	5	0	5
Oregon	0	73	0	1	0	0	3
Washington	0	65	0	2	0	0	2
Pacific Noncontiguous	**4**	**3**	**0**	**14**	**64**	**0**	**16**
Alaska	8	3	0	14	0	0	17
Hawaii	5	3	0	0	64	0	62
U.S. Total	**0**	**3**	**1**	**0**	**5**	**0**	**2**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**8**	**3**	**0**	**6**	**1**
Connecticut	0	0	0	48	5	0	8	1
Maine	0	0	0	0	1	0	21	7
Massachusetts	0	0	0	9	6	0	7	1
New Hampshire	0	0	0	0	12	0	48	2
Rhode Island	0	0	0	50	8	0	0	2
Vermont	0	0	0	28	17	0	0	35
Middle Atlantic	**0**	**0**	**0**	**6**	**2**	**0**	**6**	**0**
New Jersey	0	0	0	7	5	0	8	1
New York	0	0	0	14	3	0	10	1
Pennsylvania	0	0	0	20	3	0	8	1
East North Central	**0**	**0**	**0**	**11**	**2**	**0**	**10**	**0**
Illinois	0	0	0	23	1	0	34	0
Indiana	0	0	0	15	2	0	4	1
Michigan	0	0	0	0	4	0	14	1
Ohio	0	0	0	23	6	0	0	1
Wisconsin	0	0	0	138	6	0	50	1
West North Central	**0**	**0**	**0**	**44**	**0**	**0**	**14**	**0**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	167	0	0	371	1
Minnesota	0	0	0	101	2	0	16	1
Missouri	0	0	0	49	3	0	0	0
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	68	1
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**5**	**2**	**0**	**5**	**0**
Delaware	0	0	0	24	21	0	0	3
District of Columbia	0	0	0	0	0	0	0	105
Florida	0	0	0	8	4	0	5	0
Georgia	0	0	0	14	4	0	0	0
Maryland	0	0	0	15	4	0	1	1
North Carolina	0	0	0	6	4	0	29	1
South Carolina	0	0	0	80	5	0	32	1
Virginia	0	0	0	0	3	0	13	1
West Virginia	0	0	0	0	1	0	0	0
East South Central	**0**	**0**	**0**	**23**	**4**	**0**	**16**	**0**
Alabama	0	0	0	0	6	0	0	1
Kentucky	0	0	0	0	12	0	0	1
Mississippi	0	0	0	0	4	0	220	1
Tennessee	0	0	0	23	10	0	0	1
West South Central	**0**	**0**	**0**	**6**	**0**	**0**	**13**	**0**
Arkansas	0	0	0	0	4	0	0	1
Louisiana	0	0	0	0	6	0	15	0
Oklahoma	0	0	0	0	1	0	137	1
Texas	0	0	0	6	0	0	17	0
Mountain	**0**	**7**	**0**	**1**	**1**	**0**	**7**	**0**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	9	1	0	89	1
Idaho	0	62	0	0	4	0	0	4
Montana	0	0	0	0	3	0	0	3
Nevada	0	7	0	2	5	0	141	1
New Mexico	0	175	0	7	4	0	0	1
Utah	0	13	0	35	6	0	6	1
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**5**	**0**	**1**	**1**	**0**	**13**	**1**
California	0	5	0	1	2	0	14	1
Oregon	0	0	0	37	2	0	52	1
Washington	0	0	0	0	1	0	42	1
Pacific Noncontiguous	**0**	**0**	**0**	**24**	**5**	**0**	**0**	**3**
Alaska	0	0	0	0	24	0	0	8
Hawaii	0	0	0	24	5	0	0	2
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**4**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, Year-to-Date through September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**13**	**0**	**1**	**0**	**0**	**21**
Connecticut	0	23	0	2	0	0	91
Maine	0	6	0	6	0	0	26
Massachusetts	3	23	0	1	0	0	65
New Hampshire	0	97	0	1	0	0	54
Rhode Island	0	69	0	2	0	0	881
Vermont	0	149	0	0	0	0	56
Middle Atlantic	**2**	**16**	**35**	**1**	**29**	**0**	**4**
New Jersey	0	91	95	1	71	0	329
New York	5	20	0	1	0	0	4
Pennsylvania	2	22	37	1	25	0	41
East North Central	**0**	**3**	**2**	**1**	**11**	**0**	**17**
Illinois	0	6	0	3	51	0	121
Indiana	0	6	0	2	13	0	32
Michigan	2	8	12	5	0	0	31
Ohio	1	3	1	1	31	0	68
Wisconsin	0	26	0	3	0	0	25
West North Central	**1**	**8**	**49**	**4**	**138**	**0**	**5**
Iowa	2	15	49	11	0	0	44
Kansas	0	4	0	22	0	0	424
Minnesota	3	53	0	4	0	0	46
Missouri	0	1	0	7	0	0	16
Nebraska	2	75	0	18	0	0	35
North Dakota	2	12	0	43	138	0	0
South Dakota	0	80	0	24	0	0	0
South Atlantic	**0**	**6**	**0**	**0**	**0**	**0**	**12**
Delaware	0	44	0	3	0	0	0
District of Columbia	0	0	0	105	0	0	0
Florida	0	6	0	0	0	0	131
Georgia	0	47	0	0	0	0	22
Maryland	0	13	0	5	0	0	4
North Carolina	1	37	0	0	0	0	19
South Carolina	0	26	0	1	0	0	33
Virginia	3	4	0	0	0	0	38
West Virginia	0	0	0	0	0	0	49
East South Central	**1**	**8**	**0**	**1**	**97**	**0**	**8**
Alabama	1	51	0	1	127	0	12
Kentucky	1	5	0	3	0	0	12
Mississippi	0	16	0	1	0	0	0
Tennessee	0	3	0	1	0	0	12
West South Central	**0**	**6**	**2**	**0**	**3**	**0**	**9**
Arkansas	0	0	0	1	0	0	10
Louisiana	0	1	2	1	4	0	0
Oklahoma	1	28	0	1	0	0	29
Texas	0	11	27	0	5	0	47
Mountain	**1**	**8**	**0**	**1**	**14**	**0**	**3**
Arizona	0	2	0	1	0	0	2
Colorado	0	84	0	2	0	0	23
Idaho	48	9,400	0	5	0	0	8
Montana	4	64	0	30	0	0	6
Nevada	0	1	0	1	0	0	3
New Mexico	0	22	0	5	0	0	95
Utah	1	29	0	5	0	0	44
Wyoming	2	17	0	33	15	0	8
Pacific Contiguous	**1**	**14**	**199**	**1**	**4**	**0**	**1**
California	26	11	199	1	5	0	5
Oregon	0	73	0	1	0	0	3
Washington	0	65	0	2	0	0	2
Pacific Noncontiguous	**4**	**3**	**0**	**14**	**64**	**0**	**16**
Alaska	8	3	0	14	0	0	17
Hawaii	5	3	0	0	64	0	62
U.S. Total	**0**	**3**	**1**	**0**	**5**	**0**	**2**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, Year-to-Date through September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**8**	**3**	**0**	**6**	**1**
Connecticut	0	0	0	48	5	0	8	1
Maine	0	0	0	0	1	0	21	7
Massachusetts	0	0	0	9	6	0	7	1
New Hampshire	0	0	0	0	12	0	48	2
Rhode Island	0	0	0	50	8	0	0	2
Vermont	0	0	0	28	17	0	0	35
Middle Atlantic	**0**	**0**	**0**	**6**	**2**	**0**	**6**	**0**
New Jersey	0	0	0	7	5	0	8	1
New York	0	0	0	14	3	0	10	1
Pennsylvania	0	0	0	20	3	0	8	1
East North Central	**0**	**0**	**0**	**11**	**2**	**0**	**10**	**0**
Illinois	0	0	0	23	1	0	34	0
Indiana	0	0	0	15	2	0	4	1
Michigan	0	0	0	0	4	0	14	1
Ohio	0	0	0	23	6	0	0	1
Wisconsin	0	0	0	138	6	0	50	1
West North Central	**0**	**0**	**0**	**44**	**0**	**0**	**14**	**0**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	167	0	0	371	1
Minnesota	0	0	0	101	2	0	16	1
Missouri	0	0	0	49	3	0	0	0
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	68	1
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**5**	**2**	**0**	**5**	**0**
Delaware	0	0	0	24	21	0	0	3
District of Columbia	0	0	0	0	0	0	0	105
Florida	0	0	0	8	4	0	5	0
Georgia	0	0	0	14	4	0	0	0
Maryland	0	0	0	15	4	0	1	1
North Carolina	0	0	0	6	4	0	29	1
South Carolina	0	0	0	80	5	0	32	1
Virginia	0	0	0	0	3	0	13	1
West Virginia	0	0	0	0	1	0	0	0
East South Central	**0**	**0**	**0**	**23**	**4**	**0**	**16**	**0**
Alabama	0	0	0	0	6	0	0	1
Kentucky	0	0	0	0	12	0	0	1
Mississippi	0	0	0	0	4	0	220	1
Tennessee	0	0	0	23	10	0	0	1
West South Central	**0**	**0**	**0**	**6**	**0**	**0**	**13**	**0**
Arkansas	0	0	0	0	4	0	0	1
Louisiana	0	0	0	0	6	0	15	0
Oklahoma	0	0	0	0	1	0	137	1
Texas	0	0	0	6	0	0	17	0
Mountain	**0**	**7**	**0**	**1**	**1**	**0**	**7**	**0**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	9	1	0	89	1
Idaho	0	62	0	0	4	0	0	4
Montana	0	0	0	0	3	0	0	3
Nevada	0	7	0	2	5	0	141	1
New Mexico	0	175	0	7	4	0	0	1
Utah	0	13	0	35	6	0	6	1
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**5**	**0**	**1**	**1**	**0**	**13**	**1**
California	0	5	0	1	2	0	14	1
Oregon	0	0	0	37	2	0	52	1
Washington	0	0	0	0	1	0	42	1
Pacific Noncontiguous	**0**	**0**	**0**	**24**	**5**	**0**	**0**	**3**
Alaska	0	0	0	0	24	0	0	8
Hawaii	0	0	0	24	5	0	0	2
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**4**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Electric Utilities by Census Division and State, September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**8**	**0**	**4**	**0**	**0**	**65**
Connecticut	0	34	0	0	0	0	323
Maine	0	153	0	0	0	0	0
Massachusetts	0	4	0	4	0	0	136
New Hampshire	0	53	0	0	0	0	110
Rhode Island	0	19	0	0	0	0	0
Vermont	0	128	0	0	0	0	95
Middle Atlantic	**0**	**49**	**0**	**4**	**0**	**0**	**2**
New Jersey	0	340	0	123	0	0	0
New York	0	50	0	4	0	0	2
Pennsylvania	0	58	0	355	0	0	212
East North Central	**0**	**4**	**0**	**1**	**26**	**0**	**17**
Illinois	0	22	0	12	0	0	283
Indiana	0	5	0	2	161	0	32
Michigan	2	6	0	6	0	0	32
Ohio	1	3	0	3	0	0	34
Wisconsin	0	21	0	2	0	0	27
West North Central	**1**	**5**	**0**	**4**	**0**	**0**	**5**
Iowa	2	15	0	7	0	0	44
Kansas	0	4	0	23	0	0	0
Minnesota	3	18	0	2	0	0	63
Missouri	0	1	0	10	0	0	16
Nebraska	2	75	0	18	0	0	35
North Dakota	2	11	0	40	0	0	0
South Dakota	0	81	0	24	0	0	0
South Atlantic	**0**	**9**	**0**	**0**	**0**	**0**	**13**
Delaware	0	180	0	178	0	0	0
Florida	0	2	0	0	0	0	131
Georgia	0	23	0	0	0	0	22
Maryland	0	30	0	0	0	0	0
North Carolina	0	38	0	0	0	0	19
South Carolina	0	22	0	1	0	0	33
Virginia	0	15	0	0	0	0	34
West Virginia	0	0	0	0	0	0	100
East South Central	**1**	**2**	**0**	**1**	**0**	**0**	**8**
Alabama	0	0	0	5	0	0	12
Kentucky	1	5	0	2	0	0	12
Mississippi	0	16	0	1	0	0	0
Tennessee	0	0	0	0	0	0	12
West South Central	**0**	**5**	**0**	**1**	**0**	**0**	**10**
Arkansas	0	0	0	3	0	0	10
Louisiana	0	6	0	1	0	0	0
Oklahoma	0	2	0	1	0	0	29
Texas	0	11	0	1	0	0	44
Mountain	**0**	**7**	**0**	**1**	**0**	**0**	**3**
Arizona	0	2	0	1	0	0	2
Colorado	0	84	0	2	0	0	23
Idaho	0	9,400	0	3	0	0	9
Montana	110	132	0	32	0	0	6
Nevada	0	2	0	0	0	0	2
New Mexico	0	22	0	8	0	0	95
Utah	0	4	0	3	0	0	44
Wyoming	2	5	0	105	0	0	8
Pacific Contiguous	**0**	**12**	**0**	**2**	**0**	**0**	**1**
California	0	4	0	3	0	0	4
Oregon	0	0	0	0	0	0	3
Washington	0	520	0	2	0	0	2
Pacific Noncontiguous	**0**	**3**	**0**	**12**	**0**	**0**	**17**
Alaska	0	3	0	12	0	0	17
Hawaii	0	3	0	0	0	0	260
U.S. Total	**0**	**2**	**0**	**0**	**26**	**0**	**1**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Electric Utilities by Census Division and State, September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**48**	**3**	**0**	**0**	**16**
Connecticut	0	0	0	0	0	0	0	219
Maine	0	0	0	0	0	0	0	153
Massachusetts	0	0	0	48	35	0	0	23
New Hampshire	0	0	0	0	0	0	0	15
Rhode Island	0	0	0	0	0	0	0	19
Vermont	0	0	0	0	0	0	0	46
Middle Atlantic	**0**	**0**	**0**	**22**	**10**	**0**	**0**	**2**
New Jersey	0	0	0	22	22	0	0	18
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	181
East North Central	**0**	**0**	**0**	**39**	**2**	**0**	**33**	**0**
Illinois	0	0	0	306	92	0	0	2
Indiana	0	0	0	53	17	0	0	0
Michigan	0	0	0	0	1	0	88	1
Ohio	0	0	0	52	43	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**6**	**0**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	4	0	0	2
Missouri	0	0	0	0	42	0	0	0
Nebraska	0	0	0	0	10	0	0	1
North Dakota	0	0	0	0	1	0	68	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**0**	**0**
Delaware	0	0	0	66	66	0	0	150
Florida	0	0	0	0	3	0	0	0
Georgia	0	0	0	71	71	0	0	0
Maryland	0	0	0	56	56	0	0	31
North Carolina	0	0	0	65	65	0	0	1
South Carolina	0	0	0	0	7	0	0	1
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**0**	**39**	**0**	**0**	**1**
Alabama	0	0	0	0	459	0	0	1
Kentucky	0	0	0	0	32	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	1
Mountain	**0**	**0**	**0**	**7**	**2**	**0**	**144**	**0**
Arizona	0	0	0	7	7	0	0	0
Colorado	0	0	0	0	10	0	0	1
Idaho	0	0	0	0	5	0	0	6
Montana	0	0	0	0	0	0	0	8
Nevada	0	0	0	0	0	0	141	0
New Mexico	0	0	0	17	17	0	0	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**0**	**0**	**9**	**1**	**0**	**0**	**1**
California	0	0	0	9	2	0	0	2
Oregon	0	0	0	67	2	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**34**	**16**	**0**	**0**	**4**
Alaska	0	0	0	0	36	0	0	7
Hawaii	0	0	0	34	14	0	0	3
U.S. Total	**0**	**0**	**0**	**5**	**0**	**0**	**4**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Electric Utilities by Census Division and State, Year-to-Date through September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**8**	**0**	**4**	**0**	**0**	**65**
Connecticut	0	34	0	0	0	0	323
Maine	0	153	0	0	0	0	0
Massachusetts	0	4	0	4	0	0	136
New Hampshire	0	53	0	0	0	0	110
Rhode Island	0	19	0	0	0	0	0
Vermont	0	128	0	0	0	0	95
Middle Atlantic	**0**	**49**	**0**	**4**	**0**	**0**	**2**
New Jersey	0	340	0	123	0	0	0
New York	0	50	0	4	0	0	2
Pennsylvania	0	58	0	355	0	0	212
East North Central	**0**	**4**	**0**	**1**	**26**	**0**	**17**
Illinois	0	22	0	12	0	0	283
Indiana	0	5	0	2	161	0	32
Michigan	2	6	0	6	0	0	32
Ohio	1	3	0	3	0	0	34
Wisconsin	0	21	0	2	0	0	27
West North Central	**1**	**5**	**0**	**4**	**0**	**0**	**5**
Iowa	2	15	0	7	0	0	44
Kansas	0	4	0	23	0	0	0
Minnesota	3	18	0	2	0	0	63
Missouri	0	1	0	10	0	0	16
Nebraska	2	75	0	18	0	0	35
North Dakota	2	11	0	40	0	0	0
South Dakota	0	81	0	24	0	0	0
South Atlantic	**0**	**9**	**0**	**0**	**0**	**0**	**13**
Delaware	0	180	0	178	0	0	0
Florida	0	2	0	0	0	0	131
Georgia	0	23	0	0	0	0	22
Maryland	0	30	0	0	0	0	0
North Carolina	0	38	0	0	0	0	19
South Carolina	0	22	0	1	0	0	33
Virginia	0	15	0	0	0	0	34
West Virginia	0	0	0	0	0	0	100
East South Central	**1**	**2**	**0**	**1**	**0**	**0**	**8**
Alabama	0	0	0	5	0	0	12
Kentucky	1	5	0	2	0	0	12
Mississippi	0	16	0	1	0	0	0
Tennessee	0	0	0	0	0	0	12
West South Central	**0**	**5**	**0**	**1**	**0**	**0**	**10**
Arkansas	0	0	0	3	0	0	10
Louisiana	0	6	0	1	0	0	0
Oklahoma	0	2	0	1	0	0	29
Texas	0	11	0	1	0	0	44
Mountain	**0**	**7**	**0**	**1**	**0**	**0**	**3**
Arizona	0	2	0	1	0	0	2
Colorado	0	84	0	2	0	0	23
Idaho	0	9,400	0	3	0	0	9
Montana	110	132	0	32	0	0	6
Nevada	0	2	0	0	0	0	2
New Mexico	0	22	0	8	0	0	95
Utah	0	4	0	3	0	0	44
Wyoming	2	5	0	105	0	0	8
Pacific Contiguous	**0**	**12**	**0**	**2**	**0**	**0**	**1**
California	0	4	0	3	0	0	4
Oregon	0	0	0	0	0	0	3
Washington	0	520	0	2	0	0	2
Pacific Noncontiguous	**0**	**3**	**0**	**12**	**0**	**0**	**17**
Alaska	0	3	0	12	0	0	17
Hawaii	0	3	0	0	0	0	260
U.S. Total	**0**	**2**	**0**	**0**	**26**	**0**	**1**

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Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Electric Utilities by Census Division and State, Year-to-Date through September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**48**	**3**	**0**	**0**	**16**
Connecticut	0	0	0	0	0	0	0	219
Maine	0	0	0	0	0	0	0	153
Massachusetts	0	0	0	48	35	0	0	23
New Hampshire	0	0	0	0	0	0	0	15
Rhode Island	0	0	0	0	0	0	0	19
Vermont	0	0	0	0	0	0	0	46
Middle Atlantic	**0**	**0**	**0**	**22**	**10**	**0**	**0**	**2**
New Jersey	0	0	0	22	22	0	0	18
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	181
East North Central	**0**	**0**	**0**	**39**	**2**	**0**	**33**	**0**
Illinois	0	0	0	306	92	0	0	2
Indiana	0	0	0	53	17	0	0	0
Michigan	0	0	0	0	1	0	88	1
Ohio	0	0	0	52	43	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**6**	**0**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	4	0	0	2
Missouri	0	0	0	0	42	0	0	0
Nebraska	0	0	0	0	10	0	0	1
North Dakota	0	0	0	0	1	0	68	2
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**0**	**0**
Delaware	0	0	0	66	66	0	0	150
Florida	0	0	0	0	3	0	0	0
Georgia	0	0	0	71	71	0	0	0
Maryland	0	0	0	56	56	0	0	31
North Carolina	0	0	0	65	65	0	0	1
South Carolina	0	0	0	0	7	0	0	1
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**0**	**39**	**0**	**0**	**1**
Alabama	0	0	0	0	459	0	0	1
Kentucky	0	0	0	0	32	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	1
Mountain	**0**	**0**	**0**	**7**	**2**	**0**	**144**	**0**
Arizona	0	0	0	7	7	0	0	0
Colorado	0	0	0	0	10	0	0	1
Idaho	0	0	0	0	5	0	0	6
Montana	0	0	0	0	0	0	0	8
Nevada	0	0	0	0	0	0	141	0
New Mexico	0	0	0	17	17	0	0	2
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**0**	**0**	**9**	**1**	**0**	**0**	**1**
California	0	0	0	9	2	0	0	2
Oregon	0	0	0	67	2	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**34**	**16**	**0**	**0**	**4**
Alaska	0	0	0	0	36	0	0	7
Hawaii	0	0	0	34	14	0	0	3
U.S. Total	**0**	**0**	**0**	**5**	**0**	**0**	**4**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Independent Power Producers by Census Division and State, September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**14**	**0**	**1**	**0**	**0**	**23**
Connecticut	0	21	0	1	0	0	95
Maine	0	2	0	1	0	0	28
Massachusetts	0	28	0	1	0	0	74
New Hampshire	0	1,466	0	0	0	0	61
Rhode Island	0	0	0	1	0	0	881
Vermont	0	0	0	0	0	0	69
Middle Atlantic	**2**	**15**	**0**	**1**	**0**	**0**	**25**
New Jersey	0	96	0	1	0	0	329
New York	6	19	0	1	0	0	29
Pennsylvania	2	22	0	1	0	0	41
East North Central	**0**	**4**	**0**	**2**	**16**	**0**	**71**
Illinois	0	5	0	2	0	0	106
Indiana	2	4,418	0	17	0	0	0
Michigan	1	0	0	6	0	0	115
Ohio	0	1	0	1	35	0	125
Wisconsin	0	362	0	1	0	0	124
West North Central	**74**	**246**	**0**	**4**	**0**	**0**	**82**
Iowa	0	72	0	1,791	0	0	492
Kansas	0	0	0	0	0	0	424
Minnesota	0	270	0	7	0	0	81
Missouri	74	0	0	2	0	0	0
South Dakota	0	262	0	0	0	0	0
South Atlantic	**2**	**8**	**0**	**1**	**0**	**0**	**27**
Delaware	0	42	0	3	0	0	0
Florida	0	305	0	5	0	0	0
Georgia	0	156	0	1	0	0	517
Maryland	0	10	0	4	0	0	4
North Carolina	37	210	0	0	0	0	245
South Carolina	0	658	0	6	0	0	218
Virginia	45	3	0	1	0	0	236
West Virginia	0	0	0	0	0	0	0
East South Central	**0**	**49**	**0**	**0**	**0**	**0**	**684**
Alabama	0	77	0	0	0	0	0
Kentucky	0	0	0	0	0	0	684
Mississippi	0	0	0	0	0	0	0
Tennessee	0	64	0	431	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**15**
Arkansas	0	0	0	0	0	0	423
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	326
Mountain	**4**	**31**	**0**	**2**	**0**	**0**	**26**
Arizona	0	0	0	0	0	0	0
Colorado	104	0	0	10	0	0	84
Idaho	0	0	0	10	0	0	27
Montana	3	27	0	102	0	0	98
Nevada	0	0	0	8	0	0	193
New Mexico	0	0	0	2	0	0	0
Utah	63	517	0	53	0	0	432
Wyoming	71	0	0	209	0	0	381
Pacific Contiguous	**1**	**16**	**199**	**1**	**0**	**0**	**28**
California	114	18	199	1	0	0	33
Oregon	0	0	0	1	0	0	65
Washington	0	17	0	0	0	0	75
Pacific Noncontiguous	**3**	**8**	**0**	**0**	**0**	**0**	**0**
Alaska	28	0	0	0	0	0	0
Hawaii	0	8	0	0	0	0	0
U.S. Total	**0**	**6**	**1**	**0**	**9**	**0**	**13**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Independent Power Producers by Census Division and State, September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**8**	**4**	**0**	**5**	**1**
Connecticut	0	0	0	48	5	0	8	1
Maine	0	0	0	0	1	0	13	8
Massachusetts	0	0	0	9	6	0	7	1
New Hampshire	0	0	0	0	15	0	48	2
Rhode Island	0	0	0	50	7	0	0	1
Vermont	0	0	0	28	34	0	0	48
Middle Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**5**	**0**
New Jersey	0	0	0	9	6	0	11	1
New York	0	0	0	14	3	0	6	1
Pennsylvania	0	0	0	22	3	0	10	1
East North Central	**0**	**0**	**0**	**12**	**2**	**0**	**26**	**0**
Illinois	0	0	0	23	1	0	0	0
Indiana	0	0	0	16	1	0	0	2
Michigan	0	0	0	0	6	0	26	4
Ohio	0	0	0	26	6	0	0	0
Wisconsin	0	0	0	138	13	0	0	1
West North Central	**0**	**0**	**0**	**45**	**1**	**0**	**31**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	167	0	0	0	1
Minnesota	0	0	0	101	3	0	31	3
Missouri	0	0	0	52	2	0	0	2
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	**0**	**0**	**0**	**5**	**3**	**0**	**6**	**1**
Delaware	0	0	0	26	24	0	0	3
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	21	6	0	7	3
Georgia	0	0	0	13	12	0	0	1
Maryland	0	0	0	15	4	0	0	1
North Carolina	0	0	0	6	5	0	29	6
South Carolina	0	0	0	80	39	0	202	9
Virginia	0	0	0	0	7	0	0	3
West Virginia	0	0	0	0	1	0	0	0
East South Central	**0**	**0**	**0**	**24**	**10**	**0**	**0**	**0**
Alabama	0	0	0	0	9	0	0	0
Kentucky	0	0	0	0	128	0	0	3
Mississippi	0	0	0	0	86	0	0	0
Tennessee	0	0	0	24	18	0	0	25
West South Central	**0**	**0**	**0**	**6**	**0**	**0**	**146**	**0**
Arkansas	0	0	0	0	35	0	0	1
Louisiana	0	0	0	0	32	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	6	0	0	146	0
Mountain	**0**	**7**	**0**	**1**	**1**	**0**	**3**	**1**
Arizona	0	0	0	2	1	0	0	0
Colorado	0	0	0	9	1	0	0	4
Idaho	0	62	0	0	5	0	0	6
Montana	0	0	0	0	3	0	0	3
Nevada	0	7	0	2	5	0	0	4
New Mexico	0	175	0	7	4	0	0	2
Utah	0	28	0	35	7	0	293	20
Wyoming	0	0	0	0	2	0	0	22
Pacific Contiguous	**0**	**5**	**0**	**1**	**1**	**0**	**16**	**1**
California	0	5	0	1	2	0	17	1
Oregon	0	0	0	43	2	0	52	1
Washington	0	0	0	0	1	0	42	1
Pacific Noncontiguous	**0**	**0**	**0**	**33**	**6**	**0**	**0**	**3**
Alaska	0	0	0	0	50	0	0	25
Hawaii	0	0	0	33	6	0	0	3
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**3**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Independent Power Producers by Census Division and State, Year-to-Date through September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**14**	**0**	**1**	**0**	**0**	**23**
Connecticut	0	21	0	1	0	0	95
Maine	0	2	0	1	0	0	28
Massachusetts	0	28	0	1	0	0	74
New Hampshire	0	1,466	0	0	0	0	61
Rhode Island	0	0	0	1	0	0	881
Vermont	0	0	0	0	0	0	69
Middle Atlantic	**2**	**15**	**0**	**1**	**0**	**0**	**25**
New Jersey	0	96	0	1	0	0	329
New York	6	19	0	1	0	0	29
Pennsylvania	2	22	0	1	0	0	41
East North Central	**0**	**4**	**0**	**2**	**16**	**0**	**71**
Illinois	0	5	0	2	0	0	106
Indiana	2	4,418	0	17	0	0	0
Michigan	1	0	0	6	0	0	115
Ohio	0	1	0	1	35	0	125
Wisconsin	0	362	0	1	0	0	124
West North Central	**74**	**246**	**0**	**4**	**0**	**0**	**82**
Iowa	0	72	0	1,791	0	0	492
Kansas	0	0	0	0	0	0	424
Minnesota	0	270	0	7	0	0	81
Missouri	74	0	0	2	0	0	0
South Dakota	0	262	0	0	0	0	0
South Atlantic	**2**	**8**	**0**	**1**	**0**	**0**	**27**
Delaware	0	42	0	3	0	0	0
Florida	0	305	0	5	0	0	0
Georgia	0	156	0	1	0	0	517
Maryland	0	10	0	4	0	0	4
North Carolina	37	210	0	0	0	0	245
South Carolina	0	658	0	6	0	0	218
Virginia	45	3	0	1	0	0	236
West Virginia	0	0	0	0	0	0	0
East South Central	**0**	**49**	**0**	**0**	**0**	**0**	**684**
Alabama	0	77	0	0	0	0	0
Kentucky	0	0	0	0	0	0	684
Mississippi	0	0	0	0	0	0	0
Tennessee	0	64	0	431	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**15**
Arkansas	0	0	0	0	0	0	423
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	326
Mountain	**4**	**31**	**0**	**2**	**0**	**0**	**26**
Arizona	0	0	0	0	0	0	0
Colorado	104	0	0	10	0	0	84
Idaho	0	0	0	10	0	0	27
Montana	3	27	0	102	0	0	98
Nevada	0	0	0	8	0	0	193
New Mexico	0	0	0	2	0	0	0
Utah	63	517	0	53	0	0	432
Wyoming	71	0	0	209	0	0	381
Pacific Contiguous	**1**	**16**	**199**	**1**	**0**	**0**	**28**
California	114	18	199	1	0	0	33
Oregon	0	0	0	1	0	0	65
Washington	0	17	0	0	0	0	75
Pacific Noncontiguous	**3**	**8**	**0**	**0**	**0**	**0**	**0**
Alaska	28	0	0	0	0	0	0
Hawaii	0	8	0	0	0	0	0
U.S. Total	**0**	**6**	**1**	**0**	**9**	**0**	**13**

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

Independent Power Producers by Census Division and State, Year-to-Date through September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**8**	**4**	**0**	**5**	**1**
Connecticut	0	0	0	48	5	0	8	1
Maine	0	0	0	0	1	0	13	8
Massachusetts	0	0	0	9	6	0	7	1
New Hampshire	0	0	0	0	15	0	48	2
Rhode Island	0	0	0	50	7	0	0	1
Vermont	0	0	0	28	34	0	0	48
Middle Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**5**	**0**
New Jersey	0	0	0	9	6	0	11	1
New York	0	0	0	14	3	0	6	1
Pennsylvania	0	0	0	22	3	0	10	1
East North Central	**0**	**0**	**0**	**12**	**2**	**0**	**26**	**0**
Illinois	0	0	0	23	1	0	0	0
Indiana	0	0	0	16	1	0	0	2
Michigan	0	0	0	0	6	0	26	4
Ohio	0	0	0	26	6	0	0	0
Wisconsin	0	0	0	138	13	0	0	1
West North Central	**0**	**0**	**0**	**45**	**1**	**0**	**31**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	167	0	0	0	1
Minnesota	0	0	0	101	3	0	31	3
Missouri	0	0	0	52	2	0	0	2
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	**0**	**0**	**0**	**5**	**3**	**0**	**6**	**1**
Delaware	0	0	0	26	24	0	0	3
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	21	6	0	7	3
Georgia	0	0	0	13	12	0	0	1
Maryland	0	0	0	15	4	0	0	1
North Carolina	0	0	0	6	5	0	29	6
South Carolina	0	0	0	80	39	0	202	9
Virginia	0	0	0	0	7	0	0	3
West Virginia	0	0	0	0	1	0	0	0
East South Central	**0**	**0**	**0**	**24**	**10**	**0**	**0**	**0**
Alabama	0	0	0	0	9	0	0	0
Kentucky	0	0	0	0	128	0	0	3
Mississippi	0	0	0	0	86	0	0	0
Tennessee	0	0	0	24	18	0	0	25
West South Central	**0**	**0**	**0**	**6**	**0**	**0**	**146**	**0**
Arkansas	0	0	0	0	35	0	0	1
Louisiana	0	0	0	0	32	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	6	0	0	146	0
Mountain	**0**	**7**	**0**	**1**	**1**	**0**	**3**	**1**
Arizona	0	0	0	2	1	0	0	0
Colorado	0	0	0	9	1	0	0	4
Idaho	0	62	0	0	5	0	0	6
Montana	0	0	0	0	3	0	0	3
Nevada	0	7	0	2	5	0	0	4
New Mexico	0	175	0	7	4	0	0	2
Utah	0	28	0	35	7	0	293	20
Wyoming	0	0	0	0	2	0	0	22
Pacific Contiguous	**0**	**5**	**0**	**1**	**1**	**0**	**16**	**1**
California	0	5	0	1	2	0	17	1
Oregon	0	0	0	43	2	0	52	1
Washington	0	0	0	0	1	0	42	1
Pacific Noncontiguous	**0**	**0**	**0**	**33**	**6**	**0**	**0**	**3**
Alaska	0	0	0	0	50	0	0	25
Hawaii	0	0	0	33	6	0	0	3
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**3**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**90**	**0**	**23**	**0**	**0**	**781**
Connecticut	0	632	0	44	0	0	0
Maine	0	492	0	172	0	0	0
Massachusetts	0	85	0	22	0	0	781
New Hampshire	0	186	0	220	0	0	0
Rhode Island	0	193	0	129	0	0	0
Vermont	0	894	0	0	0	0	0
Middle Atlantic	**234**	**56**	**0**	**21**	**0**	**0**	**781**
New Jersey	0	353	0	63	0	0	0
New York	0	56	0	22	0	0	781
Pennsylvania	234	350	0	72	0	0	0
East North Central	**15**	**162**	**0**	**30**	**0**	**0**	**1,028**
Illinois	107	89	0	21	0	0	1,028
Indiana	30	849	0	30	0	0	0
Michigan	0	206	0	56	0	0	0
Ohio	430	163	0	87	0	0	0
Wisconsin	426	309	0	147	0	0	0
West North Central	**40**	**146**	**0**	**80**	**0**	**0**	**0**
Iowa	41	226	0	215	0	0	0
Minnesota	719	157	0	156	0	0	0
Missouri	0	168	0	0	0	0	0
Nebraska	0	0	0	2,004	0	0	0
North Dakota	0	201	0	0	0	0	0
South Dakota	0	419	0	0	0	0	0
South Atlantic	**74**	**118**	**0**	**36**	**0**	**0**	**394**
District of Columbia	0	0	0	105	0	0	0
Florida	0	0	0	124	0	0	0
Georgia	0	39	0	0	0	0	0
Maryland	503	168	0	43	0	0	0
North Carolina	0	180	0	0	0	0	398
South Carolina	0	625	0	268	0	0	1,070
Virginia	208	311	0	305	0	0	0
East South Central	**0**	**331**	**0**	**70**	**0**	**0**	**0**
Mississippi	0	0	0	161	0	0	0
Tennessee	0	331	0	77	0	0	0
West South Central	**0**	**1,119**	**0**	**19**	**0**	**0**	**0**
Arkansas	0	0	0	425	0	0	0
Louisiana	0	0	0	54	0	0	0
Oklahoma	0	49,450	0	221	0	0	0
Texas	0	946	0	20	0	0	0
Mountain	**0**	**394**	**0**	**25**	**0**	**0**	**438**
Arizona	0	394	0	41	0	0	0
Colorado	0	0	0	0	0	0	438
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	61	0	0	0
New Mexico	0	0	0	46	0	0	0
Utah	0	0	0	53	0	0	0
Pacific Contiguous	**0**	**667**	**0**	**17**	**0**	**0**	**427**
California	0	663	0	12	0	0	427
Oregon	0	17,930	0	205	0	0	0
Washington	0	637	0	472	0	0	0
Pacific Noncontiguous	**21**	**79**	**0**	**852**	**0**	**0**	**0**
Alaska	21	239	0	852	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**18**	**45**	**0**	**10**	**0**	**0**	**226**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Commercial Sector by Census Division and State, September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**78**	**23**	**0**	**57**	**18**
Connecticut	0	0	0	0	0	0	0	44
Maine	0	0	0	0	28	0	57	33
Massachusetts	0	0	0	78	69	0	0	21
New Hampshire	0	0	0	0	46	0	0	66
Rhode Island	0	0	0	0	130	0	0	105
Vermont	0	0	0	0	239	0	0	237
Middle Atlantic	**0**	**0**	**0**	**15**	**8**	**0**	**17**	**11**
New Jersey	0	0	0	16	8	0	0	18
New York	0	0	0	153	20	0	38	15
Pennsylvania	0	0	0	69	11	0	0	24
East North Central	**0**	**0**	**0**	**94**	**10**	**0**	**19**	**21**
Illinois	0	0	0	0	182	0	0	21
Indiana	0	0	0	0	65	0	129	24
Michigan	0	0	0	0	9	0	17	31
Ohio	0	0	0	94	94	0	0	83
Wisconsin	0	0	0	0	0	0	0	145
West North Central	**0**	**0**	**0**	**167**	**23**	**0**	**95**	**48**
Iowa	0	0	0	0	64	0	0	83
Minnesota	0	0	0	0	55	0	95	109
Missouri	0	0	0	167	9	0	0	2
Nebraska	0	0	0	0	85	0	0	106
North Dakota	0	0	0	0	0	0	0	201
South Dakota	0	0	0	0	0	0	0	419
South Atlantic	**0**	**0**	**0**	**19**	**11**	**0**	**22**	**16**
Delaware	0	0	0	119	107	0	0	107
District of Columbia	0	0	0	0	0	0	0	105
Florida	0	0	0	129	64	0	0	84
Georgia	0	0	0	92	52	0	0	48
Maryland	0	0	0	79	72	0	570	39
North Carolina	0	0	0	20	19	0	0	19
South Carolina	0	0	0	0	0	0	0	291
Virginia	0	0	0	0	12	0	22	15
East South Central	**0**	**0**	**0**	**94**	**94**	**0**	**0**	**69**
Mississippi	0	0	0	0	0	0	0	161
Tennessee	0	0	0	94	94	0	0	75
West South Central	**0**	**0**	**0**	**111**	**67**	**0**	**0**	**18**
Arkansas	0	0	0	0	138	0	0	183
Louisiana	0	0	0	0	0	0	0	54
Oklahoma	0	0	0	0	0	0	0	223
Texas	0	0	0	111	71	0	0	19
Mountain	**0**	**0**	**0**	**19**	**20**	**0**	**0**	**19**
Arizona	0	0	0	39	39	0	0	35
Colorado	0	0	0	43	43	0	0	93
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	25	25	0	0	27
New Mexico	0	0	0	0	297	0	0	46
Utah	0	0	0	0	0	0	0	53
Pacific Contiguous	**0**	**0**	**0**	**18**	**8**	**0**	**0**	**11**
California	0	0	0	18	8	0	0	8
Oregon	0	0	0	0	61	0	0	162
Washington	0	0	0	0	78	0	0	251
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**8**	**0**	**0**	**7**
Alaska	0	0	0	0	42	0	0	27
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**9**	**5**	**0**	**10**	**6**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Commercial Sector by Census Division and State, Year-to-Date through September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**90**	**0**	**23**	**0**	**0**	**781**
Connecticut	0	632	0	44	0	0	0
Maine	0	492	0	172	0	0	0
Massachusetts	0	85	0	22	0	0	781
New Hampshire	0	186	0	220	0	0	0
Rhode Island	0	193	0	129	0	0	0
Vermont	0	894	0	0	0	0	0
Middle Atlantic	**234**	**56**	**0**	**21**	**0**	**0**	**781**
New Jersey	0	353	0	63	0	0	0
New York	0	56	0	22	0	0	781
Pennsylvania	234	350	0	72	0	0	0
East North Central	**15**	**162**	**0**	**30**	**0**	**0**	**1,028**
Illinois	107	89	0	21	0	0	1,028
Indiana	30	849	0	30	0	0	0
Michigan	0	206	0	56	0	0	0
Ohio	430	163	0	87	0	0	0
Wisconsin	426	309	0	147	0	0	0
West North Central	**40**	**146**	**0**	**80**	**0**	**0**	**0**
Iowa	41	226	0	215	0	0	0
Minnesota	719	157	0	156	0	0	0
Missouri	0	168	0	0	0	0	0
Nebraska	0	0	0	2,004	0	0	0
North Dakota	0	201	0	0	0	0	0
South Dakota	0	419	0	0	0	0	0
South Atlantic	**74**	**118**	**0**	**36**	**0**	**0**	**394**
District of Columbia	0	0	0	105	0	0	0
Florida	0	0	0	124	0	0	0
Georgia	0	39	0	0	0	0	0
Maryland	503	168	0	43	0	0	0
North Carolina	0	180	0	0	0	0	398
South Carolina	0	625	0	268	0	0	1,070
Virginia	208	311	0	305	0	0	0
East South Central	**0**	**331**	**0**	**70**	**0**	**0**	**0**
Mississippi	0	0	0	161	0	0	0
Tennessee	0	331	0	77	0	0	0
West South Central	**0**	**1,119**	**0**	**19**	**0**	**0**	**0**
Arkansas	0	0	0	425	0	0	0
Louisiana	0	0	0	54	0	0	0
Oklahoma	0	49,450	0	221	0	0	0
Texas	0	946	0	20	0	0	0
Mountain	**0**	**394**	**0**	**25**	**0**	**0**	**438**
Arizona	0	394	0	41	0	0	0
Colorado	0	0	0	0	0	0	438
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	61	0	0	0
New Mexico	0	0	0	46	0	0	0
Utah	0	0	0	53	0	0	0
Pacific Contiguous	**0**	**667**	**0**	**17**	**0**	**0**	**427**
California	0	663	0	12	0	0	427
Oregon	0	17,930	0	205	0	0	0
Washington	0	637	0	472	0	0	0
Pacific Noncontiguous	**21**	**79**	**0**	**852**	**0**	**0**	**0**
Alaska	21	239	0	852	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**18**	**45**	**0**	**10**	**0**	**0**	**226**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Commercial Sector by Census Division and State, Year-to-Date through September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**78**	**23**	**0**	**57**	**18**
Connecticut	0	0	0	0	0	0	0	44
Maine	0	0	0	0	28	0	57	33
Massachusetts	0	0	0	78	69	0	0	21
New Hampshire	0	0	0	0	46	0	0	66
Rhode Island	0	0	0	0	130	0	0	105
Vermont	0	0	0	0	239	0	0	237
Middle Atlantic	**0**	**0**	**0**	**15**	**8**	**0**	**17**	**11**
New Jersey	0	0	0	16	8	0	0	18
New York	0	0	0	153	20	0	38	15
Pennsylvania	0	0	0	69	11	0	0	24
East North Central	**0**	**0**	**0**	**94**	**10**	**0**	**19**	**21**
Illinois	0	0	0	0	182	0	0	21
Indiana	0	0	0	0	65	0	129	24
Michigan	0	0	0	0	9	0	17	31
Ohio	0	0	0	94	94	0	0	83
Wisconsin	0	0	0	0	0	0	0	145
West North Central	**0**	**0**	**0**	**167**	**23**	**0**	**95**	**48**
Iowa	0	0	0	0	64	0	0	83
Minnesota	0	0	0	0	55	0	95	109
Missouri	0	0	0	167	9	0	0	2
Nebraska	0	0	0	0	85	0	0	106
North Dakota	0	0	0	0	0	0	0	201
South Dakota	0	0	0	0	0	0	0	419
South Atlantic	**0**	**0**	**0**	**19**	**11**	**0**	**22**	**16**
Delaware	0	0	0	119	107	0	0	107
District of Columbia	0	0	0	0	0	0	0	105
Florida	0	0	0	129	64	0	0	84
Georgia	0	0	0	92	52	0	0	48
Maryland	0	0	0	79	72	0	570	39
North Carolina	0	0	0	20	19	0	0	19
South Carolina	0	0	0	0	0	0	0	291
Virginia	0	0	0	0	12	0	22	15
East South Central	**0**	**0**	**0**	**94**	**94**	**0**	**0**	**69**
Mississippi	0	0	0	0	0	0	0	161
Tennessee	0	0	0	94	94	0	0	75
West South Central	**0**	**0**	**0**	**111**	**67**	**0**	**0**	**18**
Arkansas	0	0	0	0	138	0	0	183
Louisiana	0	0	0	0	0	0	0	54
Oklahoma	0	0	0	0	0	0	0	223
Texas	0	0	0	111	71	0	0	19
Mountain	**0**	**0**	**0**	**19**	**20**	**0**	**0**	**19**
Arizona	0	0	0	39	39	0	0	35
Colorado	0	0	0	43	43	0	0	93
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	25	25	0	0	27
New Mexico	0	0	0	0	297	0	0	46
Utah	0	0	0	0	0	0	0	53
Pacific Contiguous	**0**	**0**	**0**	**18**	**8**	**0**	**0**	**11**
California	0	0	0	18	8	0	0	8
Oregon	0	0	0	0	61	0	0	162
Washington	0	0	0	0	78	0	0	251
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**8**	**0**	**0**	**7**
Alaska	0	0	0	0	42	0	0	27
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**9**	**5**	**0**	**10**	**6**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**40**	**104**	**0**	**24**	**0**	**0**	**69**
Connecticut	0	272	0	40	0	0	0
Maine	0	59	0	31	0	0	69
Massachusetts	78	757	0	74	0	0	746
New Hampshire	0	250	0	157	0	0	0
Middle Atlantic	**9**	**105**	**35**	**20**	**29**	**0**	**236**
New Jersey	0	595	95	43	71	0	0
New York	0	307	0	54	0	0	236
Pennsylvania	16	78	37	25	25	0	0
East North Central	**4**	**40**	**25**	**30**	**14**	**0**	**92**
Illinois	4	1,560	0	42	51	0	0
Indiana	102	8	0	27	13	0	0
Michigan	43	256	40	80	0	0	236
Ohio	11	70	502	116	58	0	0
Wisconsin	8	233	0	131	0	0	100
West North Central	**6**	**362**	**59**	**82**	**138**	**0**	**48**
Iowa	6	243	59	203	0	0	0
Kansas	0	0	0	74	0	0	0
Minnesota	15	403	0	175	0	0	48
Missouri	95	0	0	449	0	0	0
Nebraska	21	0	0	0	0	0	0
North Dakota	44	1,059	0	341	138	0	0
South Atlantic	**17**	**19**	**0**	**7**	**0**	**0**	**63**
Delaware	0	0	0	0	0	0	0
Florida	64	176	0	13	0	0	0
Georgia	58	96	0	13	0	0	417
Maryland	0	95	0	105	0	0	0
North Carolina	59	190	0	53	0	0	938
South Carolina	25	0	0	88	0	0	0
Virginia	36	8	0	22	0	0	558
West Virginia	2	0	0	0	0	0	45
East South Central	**10**	**146**	**0**	**12**	**97**	**0**	**0**
Alabama	78	156	0	13	127	0	0
Kentucky	0	0	0	56	0	0	0
Mississippi	0	0	0	28	0	0	0
Tennessee	1	323	0	17	0	0	0
West South Central	**42**	**46**	**28**	**1**	**4**	**0**	**0**
Arkansas	0	0	0	19	0	0	0
Louisiana	0	0	36	2	4	0	0
Oklahoma	48	1,460	0	58	0	0	0
Texas	0	574	27	2	10	0	0
Mountain	**6**	**145**	**0**	**19**	**15**	**0**	**0**
Colorado	356	419	0	111	0	0	0
Idaho	48	0	0	167	0	0	0
Montana	181	0	0	0	0	0	0
Nevada	0	0	0	31	0	0	0
New Mexico	0	193	0	76	0	0	0
Utah	0	573	0	22	0	0	0
Wyoming	19	154	0	36	15	0	0
Pacific Contiguous	**0**	**81**	**0**	**4**	**5**	**0**	**0**
California	0	232	0	4	5	0	0
Oregon	0	0	0	99	0	0	0
Washington	0	86	0	0	0	0	0
Pacific Noncontiguous	**151**	**24**	**0**	**214**	**64**	**0**	**169**
Alaska	0	10	0	214	0	0	0
Hawaii	151	31	0	0	64	0	169
U.S. Total	**5**	**15**	**15**	**2**	**6**	**0**	**40**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Industrial Sector by Census Division and State, September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**2**	**0**	**46**	**12**
Connecticut	0	0	0	0	0	0	0	40
Maine	0	0	0	0	2	0	46	12
Massachusetts	0	0	0	0	205	0	0	64
New Hampshire	0	0	0	0	0	0	0	156
Middle Atlantic	**0**	**0**	**0**	**52**	**8**	**0**	**0**	**10**
New Jersey	0	0	0	140	140	0	0	36
New York	0	0	0	0	1	0	0	19
Pennsylvania	0	0	0	56	12	0	0	12
East North Central	**0**	**0**	**0**	**137**	**7**	**0**	**12**	**7**
Illinois	0	0	0	0	0	0	34	10
Indiana	0	0	0	0	38	0	0	10
Michigan	0	0	0	0	12	0	0	27
Ohio	0	0	0	137	13	0	0	24
Wisconsin	0	0	0	0	12	0	78	15
West North Central	**0**	**0**	**0**	**0**	**8**	**0**	**72**	**8**
Iowa	0	0	0	0	33	0	0	10
Kansas	0	0	0	0	0	0	371	73
Minnesota	0	0	0	0	8	0	73	12
Missouri	0	0	0	0	981	0	0	103
Nebraska	0	0	0	0	0	0	0	21
North Dakota	0	0	0	0	0	0	0	84
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**7**	**3**
Delaware	0	0	0	0	70	0	0	1
Florida	0	0	0	0	7	0	8	6
Georgia	0	0	0	0	4	0	0	5
Maryland	0	0	0	0	0	0	0	19
North Carolina	0	0	0	0	8	0	0	14
South Carolina	0	0	0	0	1	0	0	3
Virginia	0	0	0	0	5	0	0	9
West Virginia	0	0	0	0	0	0	0	9
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**43**	**4**
Alabama	0	0	0	0	6	0	0	6
Kentucky	0	0	0	0	7	0	0	35
Mississippi	0	0	0	0	4	0	220	6
Tennessee	0	0	0	0	11	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**13**	**1**
Arkansas	0	0	0	0	4	0	0	5
Louisiana	0	0	0	0	6	0	15	2
Oklahoma	0	0	0	0	24	0	137	28
Texas	0	0	0	0	11	0	17	2
Mountain	**0**	**0**	**0**	**119**	**5**	**0**	**17**	**7**
Colorado	0	0	0	0	281	0	89	75
Idaho	0	0	0	0	3	0	0	14
Montana	0	0	0	0	116	0	0	98
Nevada	0	0	0	119	119	0	0	30
New Mexico	0	0	0	0	0	0	0	76
Utah	0	0	0	0	0	0	0	6
Wyoming	0	0	0	0	0	0	0	16
Pacific Contiguous	**0**	**0**	**0**	**79**	**7**	**0**	**18**	**3**
California	0	0	0	79	15	0	18	3
Oregon	0	0	0	0	12	0	0	22
Washington	0	0	0	0	8	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**36**	**0**	**0**	**44**
Alaska	0	0	0	0	0	0	0	143
Hawaii	0	0	0	0	36	0	0	33
U.S. Total	**0**	**0**	**0**	**40**	**2**	**0**	**7**	**1**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Industrial Sector by Census Division and State, Year-to-Date through September 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**40**	**104**	**0**	**24**	**0**	**0**	**69**
Connecticut	0	272	0	40	0	0	0
Maine	0	59	0	31	0	0	69
Massachusetts	78	757	0	74	0	0	746
New Hampshire	0	250	0	157	0	0	0
Middle Atlantic	**9**	**105**	**35**	**20**	**29**	**0**	**236**
New Jersey	0	595	95	43	71	0	0
New York	0	307	0	54	0	0	236
Pennsylvania	16	78	37	25	25	0	0
East North Central	**4**	**40**	**25**	**30**	**14**	**0**	**92**
Illinois	4	1,560	0	42	51	0	0
Indiana	102	8	0	27	13	0	0
Michigan	43	256	40	80	0	0	236
Ohio	11	70	502	116	58	0	0
Wisconsin	8	233	0	131	0	0	100
West North Central	**6**	**362**	**59**	**82**	**138**	**0**	**48**
Iowa	6	243	59	203	0	0	0
Kansas	0	0	0	74	0	0	0
Minnesota	15	403	0	175	0	0	48
Missouri	95	0	0	449	0	0	0
Nebraska	21	0	0	0	0	0	0
North Dakota	44	1,059	0	341	138	0	0
South Atlantic	**17**	**19**	**0**	**7**	**0**	**0**	**63**
Delaware	0	0	0	0	0	0	0
Florida	64	176	0	13	0	0	0
Georgia	58	96	0	13	0	0	417
Maryland	0	95	0	105	0	0	0
North Carolina	59	190	0	53	0	0	938
South Carolina	25	0	0	88	0	0	0
Virginia	36	8	0	22	0	0	558
West Virginia	2	0	0	0	0	0	45
East South Central	**10**	**146**	**0**	**12**	**97**	**0**	**0**
Alabama	78	156	0	13	127	0	0
Kentucky	0	0	0	56	0	0	0
Mississippi	0	0	0	28	0	0	0
Tennessee	1	323	0	17	0	0	0
West South Central	**42**	**46**	**28**	**1**	**4**	**0**	**0**
Arkansas	0	0	0	19	0	0	0
Louisiana	0	0	36	2	4	0	0
Oklahoma	48	1,460	0	58	0	0	0
Texas	0	574	27	2	10	0	0
Mountain	**6**	**145**	**0**	**19**	**15**	**0**	**0**
Colorado	356	419	0	111	0	0	0
Idaho	48	0	0	167	0	0	0
Montana	181	0	0	0	0	0	0
Nevada	0	0	0	31	0	0	0
New Mexico	0	193	0	76	0	0	0
Utah	0	573	0	22	0	0	0
Wyoming	19	154	0	36	15	0	0
Pacific Contiguous	**0**	**81**	**0**	**4**	**5**	**0**	**0**
California	0	232	0	4	5	0	0
Oregon	0	0	0	99	0	0	0
Washington	0	86	0	0	0	0	0
Pacific Noncontiguous	**151**	**24**	**0**	**214**	**64**	**0**	**169**
Alaska	0	10	0	214	0	0	0
Hawaii	151	31	0	0	64	0	169
U.S. Total	**5**	**15**	**15**	**2**	**6**	**0**	**40**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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

Industrial Sector by Census Division and State, Year-to-Date through September 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**2**	**0**	**46**	**12**
Connecticut	0	0	0	0	0	0	0	40
Maine	0	0	0	0	2	0	46	12
Massachusetts	0	0	0	0	205	0	0	64
New Hampshire	0	0	0	0	0	0	0	156
Middle Atlantic	**0**	**0**	**0**	**52**	**8**	**0**	**0**	**10**
New Jersey	0	0	0	140	140	0	0	36
New York	0	0	0	0	1	0	0	19
Pennsylvania	0	0	0	56	12	0	0	12
East North Central	**0**	**0**	**0**	**137**	**7**	**0**	**12**	**7**
Illinois	0	0	0	0	0	0	34	10
Indiana	0	0	0	0	38	0	0	10
Michigan	0	0	0	0	12	0	0	27
Ohio	0	0	0	137	13	0	0	24
Wisconsin	0	0	0	0	12	0	78	15
West North Central	**0**	**0**	**0**	**0**	**8**	**0**	**72**	**8**
Iowa	0	0	0	0	33	0	0	10
Kansas	0	0	0	0	0	0	371	73
Minnesota	0	0	0	0	8	0	73	12
Missouri	0	0	0	0	981	0	0	103
Nebraska	0	0	0	0	0	0	0	21
North Dakota	0	0	0	0	0	0	0	84
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**7**	**3**
Delaware	0	0	0	0	70	0	0	1
Florida	0	0	0	0	7	0	8	6
Georgia	0	0	0	0	4	0	0	5
Maryland	0	0	0	0	0	0	0	19
North Carolina	0	0	0	0	8	0	0	14
South Carolina	0	0	0	0	1	0	0	3
Virginia	0	0	0	0	5	0	0	9
West Virginia	0	0	0	0	0	0	0	9
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**43**	**4**
Alabama	0	0	0	0	6	0	0	6
Kentucky	0	0	0	0	7	0	0	35
Mississippi	0	0	0	0	4	0	220	6
Tennessee	0	0	0	0	11	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**13**	**1**
Arkansas	0	0	0	0	4	0	0	5
Louisiana	0	0	0	0	6	0	15	2
Oklahoma	0	0	0	0	24	0	137	28
Texas	0	0	0	0	11	0	17	2
Mountain	**0**	**0**	**0**	**119**	**5**	**0**	**17**	**7**
Colorado	0	0	0	0	281	0	89	75
Idaho	0	0	0	0	3	0	0	14
Montana	0	0	0	0	116	0	0	98
Nevada	0	0	0	119	119	0	0	30
New Mexico	0	0	0	0	0	0	0	76
Utah	0	0	0	0	0	0	0	6
Wyoming	0	0	0	0	0	0	0	16
Pacific Contiguous	**0**	**0**	**0**	**79**	**7**	**0**	**18**	**3**
California	0	0	0	79	15	0	18	3
Oregon	0	0	0	0	12	0	0	22
Washington	0	0	0	0	8	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**36**	**0**	**0**	**44**
Alaska	0	0	0	0	0	0	0	143
Hawaii	0	0	0	0	36	0	0	33
U.S. Total	**0**	**0**	**0**	**40**	**2**	**0**	**7**	**1**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.6.A. Relative Standard Error for Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, September 2015

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

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Table A.6.B. Relative Standard Error for Sales of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through September 2015

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

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Table A.7.A. Relative Standard Error for Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, September 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**3**	**3**	**0**	**1**
Connecticut	0	1	5	0	1
Maine	1	33	3	0	13
Massachusetts	1	1	5	0	1
New Hampshire	0	20	4	0	8
Rhode Island	1	1	0	0	1
Vermont	2	3	7	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	3	0	0
New York	0	1	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**3**	**2**	**2**	**0**	**2**
Illinois	1	1	3	0	0
Indiana	1	1	2	0	1
Michigan	1	1	3	0	1
Ohio	10	9	7	0	6
Wisconsin	1	2	4	0	1
West North Central	**1**	**1**	**2**	**0**	**1**
Iowa	2	5	5	0	2
Kansas	3	2	4	0	2
Minnesota	2	3	5	0	2
Missouri	1	1	5	0	1
Nebraska	2	5	6	0	3
North Dakota	2	4	7	0	3
South Dakota	3	7	8	0	3
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	2	10	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	1
Georgia	2	1	3	0	1
Maryland	1	1	3	0	1
North Carolina	2	1	2	0	1
South Carolina	3	1	2	0	1
Virginia	2	1	2	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	2	2	0	1
Kentucky	2	2	4	0	1
Mississippi	3	2	3	0	2
Tennessee	1	2	4	0	1
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	3	2	2	0	2
Louisiana	2	1	1	0	1
Oklahoma	3	2	3	0	2
Texas	1	1	2	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	1	2	4	0	1
Colorado	2	5	7	0	3
Idaho	2	4	2	0	1
Montana	3	5	9	0	3
Nevada	1	15	1	0	3
New Mexico	3	8	11	0	4
Utah	2	6	3	0	3
Wyoming	3	6	3	0	2
Pacific Contiguous	**0**	**1**	**2**	**0**	**0**
California	0	1	2	0	0
Oregon	1	3	6	0	2
Washington	1	3	6	0	2
Pacific Noncontiguous	**1**	**2**	**2**	**0**	**1**
Alaska	3	7	10	0	4
Hawaii	0	0	0	0	0
U.S. Total	**1**	**0**	**1**	**0**	**0**

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Table A.7.B. Relative Standard Error for Revenue from Sales of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through September 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**0**	**0**
Connecticut	0	1	4	0	0
Maine	0	10	2	0	4
Massachusetts	0	1	3	0	0
New Hampshire	0	6	3	0	2
Rhode Island	0	0	0	0	0
Vermont	1	2	5	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	1	0	0
East North Central	**1**	**1**	**1**	**0**	**1**
Illinois	0	1	2	0	0
Indiana	1	1	1	0	1
Michigan	0	1	2	0	1
Ohio	5	5	3	0	3
Wisconsin	0	2	3	0	1
West North Central	**0**	**1**	**2**	**0**	**1**
Iowa	1	4	4	0	2
Kansas	1	1	3	0	1
Minnesota	1	2	4	0	1
Missouri	1	1	3	0	1
Nebraska	1	4	5	0	2
North Dakota	1	3	5	0	2
South Dakota	1	5	7	0	2
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	2	7	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	2	0	1
Maryland	0	1	2	0	0
North Carolina	1	1	1	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	2	3	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	3	0	1
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	1	1	2	0	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**2**	**1**	**0**	**1**
Arizona	0	2	3	0	1
Colorado	1	4	5	0	2
Idaho	1	3	2	0	1
Montana	1	4	7	0	2
Nevada	0	12	1	0	3
New Mexico	1	6	7	0	3
Utah	1	4	2	0	2
Wyoming	1	4	2	0	2
Pacific Contiguous	**0**	**1**	**1**	**0**	**0**
California	0	1	1	0	0
Oregon	1	2	5	0	1
Washington	0	2	4	0	1
Pacific Noncontiguous	**1**	**2**	**1**	**0**	**1**
Alaska	2	5	7	0	3
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.8.A. Relative Standard Error for Average Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, September 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**3**	**2**	**0**	**1**
Connecticut	0	0	5	0	1
Maine	0	33	1	0	13
Massachusetts	0	0	4	0	1
New Hampshire	0	20	2	0	8
Rhode Island	0	1	0	0	0
Vermont	2	1	3	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	1	1	0	0
Pennsylvania	0	0	1	0	0
East North Central	**3**	**2**	**1**	**0**	**2**
Illinois	0	0	1	0	0
Indiana	1	0	1	0	0
Michigan	0	1	1	0	0
Ohio	10	9	6	0	6
Wisconsin	1	1	2	0	1
West North Central	**0**	**1**	**1**	**0**	**0**
Iowa	1	2	2	0	1
Kansas	2	1	2	0	1
Minnesota	1	1	3	0	1
Missouri	1	0	2	0	1
Nebraska	1	2	3	0	1
North Dakota	1	1	3	0	1
South Dakota	2	3	4	0	2
South Atlantic	**1**	**0**	**0**	**0**	**0**
Delaware	1	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	1	0	0
Georgia	1	1	1	0	1
Maryland	0	0	1	0	0
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	1	1	0	1
West Virginia	0	0	0	0	0
East South Central	**1**	**0**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	2	1	0	1
Tennessee	1	0	2	0	1
West South Central	**1**	**1**	**1**	**0**	**0**
Arkansas	2	2	1	0	1
Louisiana	1	1	0	0	1
Oklahoma	2	1	2	0	1
Texas	1	1	1	0	0
Mountain	**0**	**1**	**1**	**0**	**1**
Arizona	0	1	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	1
Montana	2	3	6	0	1
Nevada	0	15	0	0	3
New Mexico	2	2	6	0	1
Utah	1	1	1	0	1
Wyoming	2	2	2	0	1
Pacific Contiguous	**0**	**1**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	2	3	0	1
Washington	1	1	3	0	1
Pacific Noncontiguous	**1**	**2**	**1**	**0**	**1**
Alaska	2	4	5	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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Table A.8.B. Relative Standard Error for Average Price of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through September 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**3**	**0**	**1**
Connecticut	0	1	5	0	1
Maine	0	10	2	0	4
Massachusetts	0	1	6	0	1
New Hampshire	0	6	4	0	2
Rhode Island	0	0	0	0	0
Vermont	1	3	7	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	3	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**1**	**1**	**1**	**0**	**1**
Illinois	0	1	2	0	0
Indiana	0	1	2	0	1
Michigan	0	2	2	0	1
Ohio	5	5	4	0	3
Wisconsin	0	3	3	0	1
West North Central	**0**	**1**	**2**	**0**	**1**
Iowa	1	6	4	0	2
Kansas	1	1	3	0	1
Minnesota	0	3	4	0	2
Missouri	0	1	5	0	1
Nebraska	1	6	6	0	3
North Dakota	1	4	6	0	3
South Dakota	1	8	8	0	3
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	0	2	11	0	2
District of Columbia	0	0	0	0	0
Florida	0	1	2	0	0
Georgia	0	1	2	0	1
Maryland	0	1	4	0	0
North Carolina	0	1	2	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	**0**	**1**	**2**	**0**	**1**
Alabama	0	1	1	0	1
Kentucky	0	2	3	0	1
Mississippi	1	2	3	0	1
Tennessee	0	2	4	0	1
West South Central	**0**	**0**	**1**	**0**	**0**
Arkansas	1	1	2	0	1
Louisiana	0	1	1	0	0
Oklahoma	1	1	3	0	1
Texas	0	1	1	0	0
Mountain	**0**	**2**	**2**	**0**	**1**
Arizona	0	2	3	0	1
Colorado	0	5	6	0	2
Idaho	0	4	2	0	1
Montana	1	6	7	0	3
Nevada	0	12	1	0	3
New Mexico	0	7	8	0	3
Utah	0	5	2	0	2
Wyoming	1	6	3	0	2
Pacific Contiguous	**0**	**1**	**2**	**0**	**1**
California	0	1	1	0	1
Oregon	0	4	6	0	2
Washington	0	3	5	0	2
Pacific Noncontiguous	**1**	**3**	**2**	**0**	**1**
Alaska	2	8	9	0	4
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2015

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2015	1	01/07/2015 5:00 PM	01/08/2015 8:35 AM	15 Hours, 35 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public appeal to reduce the use of electricity - Severe Weather - Winter	Unknown	Unknown
2015	1	01/07/2015 5:00 PM	01/08/2015 8:35 AM	15 Hours, 35 Minutes	Tennessee Valley Authority	SERC	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	Public appeal to reduce the use of electricity - Severe Weather - Winter	Unknown	Unknown
2015	2	02/06/2015 8:58 PM	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	Northern California	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather Wind	Unknown	65000
2015	2	02/16/2015 9:00 PM	02/18/2015 2:00 PM	41 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	67189
2015	2	02/16/2015 9:41 PM	02/18/2015 7:00 AM	33 Hours, 19 Minutes	Southern Company	SERC	Northern/North Eastern, Georgia	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	620	186035
2015	2	02/17/2015 2:12 AM	02/18/2015 4:00 PM	37 Hours, 48 Minutes	Duke Energy Carolinas	SERC	North Carolina, South Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	68000
2015	2	02/17/2015 9:00 AM	02/18/2015 11:00 PM	38 Hours, 0 Minutes	Duke Energy Progress	SERC	North Carolina, South Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	52000
2015	2	02/18/2015 3:00 PM	02/20/2015 9:00 AM	42 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	Public appeal to reduce the use of electricity - Severe Weather- Winter	Unknown	Unknown
2015	2	02/20/2015 6:00 AM	02/20/2015 10:00 AM	4 Hours, 0 Minutes	Duke Energy Progress	SERC	North Carolina, South Carolina	System-wide voltage reductions of 3 percent or more - Severe Weather- Winter	Unknown	Unknown
2015	2	02/21/2015 8:34 AM	02/21/2015 12:45 PM	4 Hours, 11 Minutes	Tennessee Valley Authority	SERC	Fentress County, Tennessee	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	50000
2015	2	02/26/2015 3:12 AM	02/26/2015 8:00 PM	16 Hours, 48 Minutes	Duke Energy Progress	SERC	North Carolina, South Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	Unknown	124000
2015	2	02/26/2015 3:30 AM	02/27/2015 12:00 PM	32 Hours, 30 Minutes	Duke Energy Carolinas	SERC	North Carolina	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather- Winter	400	103776
2015	3	03/15/2015 3:30 PM	03/15/2015 7:00 PM	3 Hours, 30 Minutes	Portland General Electric Co	WECC	Greater Portland & Salem , Oregon	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather Wind	210	71000
2015	3	03/26/2015 3:21 PM	03/26/2015 4:59 PM	1 Hours, 38 Minutes	Pacific Gas & Electric Co	WECC	Contra Costa County, California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	15	Unknown
2015	4	04/03/2015 2:00 AM	04/03/2015 7:48 AM	5 Hours, 48 Minutes	Westar Energy Inc	SPP	Harvey, Reno, and Sedgwick Counties, Kansas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather Thunderstorms	Unknown	70000
2015	4	04/06/2015 8:12 AM	04/06/2015 12:08 PM	3 Hours, 56 Minutes	Pacific Gas & Electric Co	WECC	Butte County, California	Loss of electric service to more than 50,000 customers for 1 hour or more - System Operations	Unknown	80000
2015	4	04/07/2015 12:30 PM	04/07/2015 5:34 PM	5 Hours, 4 Minutes	Potomac Electric Power Co	RFC	Unknown	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - System Operations	Unknown	Unknown
2015	4	04/07/2015 3:34 PM	04/07/2015 3:46 PM	0 Hours, 12 Minutes	WAPA Sierra Nevada Region	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	0	0
2015	4	04/17/2015 9:16 AM	04/17/2015 11:00 AM	1 Hours, 44 Minutes	Peak Reliability	WECC	Canada	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	9300	Unknown
2015	4	04/17/2015 9:30 PM	04/19/2015 11:50 PM	50 Hours, 20 Minutes	CenterPoint Energy	TRE	Houston, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	280982
2015	4	04/18/2015 9:00 PM	04/21/2015 4:00 AM	55 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Dallas, Fort Worth, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	89000
2015	4	04/24/2015 7:10 PM	04/26/2015 4:00 PM	44 Hours, 50 Minutes	Oncor Electric Delivery Company LLC	TRE	Dallas, Fort Worth, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	57000
2015	4	04/27/2015 10:30 AM	04/28/2015 6:45 PM	32 Hours, 15 Minutes	Entergy Services, Inc.	SERC	Louisiana and Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	199000
2015	5	05/18/2015 3:28 PM	05/18/2015 3:47 PM	0 Hours, 19 Minutes	Peak Reliability for BCHA	WECC	Washington	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - Severe Weather	275	0
2015	5	05/25/2015 6:00 PM	05/29/2015 7:15 AM	85 Hours, 15 Minutes	Oncor Electric Delivery Company LLC	TRE	North Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	454000
2015	5	05/25/2015 8:30 PM	. .	. Hours, . Minutes	Southwest Power Pool, Inc.	SPP	Texas, Louisiana, Arkansas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	57351
2015	5	05/25/2015 8:30 PM	05/26/2015 6:30 PM	22 Hours, 0 Minutes	American Electric Power - (SPP Reliability Region)	SPP	Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	57531
2015	5	05/25/2015 10:45 PM	05/28/2015 1:25 AM	50 Hours, 40 Minutes	CenterPoint Energy	TRE	Fort Bend County, & Harris County ,Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	61000
2015	5	05/26/2015 5:30 AM	05/27/2015 7:00 PM	37 Hours, 30 Minutes	Entergy Services, Inc.	SERC	Texas, Louisiana, Arkansas, Mississippi	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	78515
2015	6	06/01/2015 7:19 PM	06/02/2015 8:36 AM	13 Hours, 17 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	5	484

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2015

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2015	6	06/02/2015 6:58 PM	06/02/2015 7:24 PM	0 Hours, 26 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	5	727
2015	6	06/03/2015 3:00 PM	06/05/2015 5:00 PM	50 Hours, 0 Minutes	ERCOT	TRE	Texas	Public appeal to reduce the use of electricity - System Operations	Unknown	Unknown
2015	6	06/07/2015 1:52 PM	06/07/2015 2:13 PM	0 Hours, 21 Minutes	Tennessee Valley Authority	SERC	Tennessee	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - System Operations	Unknown	Unknown
2015	6	06/07/2015 1:54 PM	06/07/2015 2:13 PM	0 Hours, 19 Minutes	Memphis Light Gas and Water Division	SERC	Shelby County, Tennessee	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident and System-wide voltage reductions of 3 percent or more - System Operations	926	Unknown
2015	6	06/08/2015 12:00 AM	. .	. Hours, . Minutes	California Department of Water Resources	WECC	Merced County, California	Fuel supply emergencies that could impact electric power system adequacy or reliability - System Operations	176	Unknown
2015	6	06/23/2015 5:06 PM	06/26/2015 4:00 PM	70 Hours, 54 Minutes	Delmarva Power & Light Company	RFC	New Castle County, Delaware	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	65000
2015	6	06/23/2015 5:30 PM	06/23/2015 7:00 PM	1 Hours, 30 Minutes	Exelon Corporation / PECO	RFC	Delaware County, PA; Chester County, PA	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	200000
2015	6	06/23/2015 6:00 PM	06/30/2015 6:00 PM	168 Hours, 0 Minutes	Atlantic City Electric Co	RFC	Gloucester County, Burlington County, Atlantic County, Cape May County, New Jersey	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	263000
2015	6	06/23/2015 6:18 PM	06/23/2015 8:30 PM	2 Hours, 12 Minutes	PJM Interconnection	RFC	New Jersey	Load shedding of 100 Megawatts or more implemented under emergency operational policy and Loss of electric service to more than 50,000 customers for 1 hour or more - System Operations	198	156338
2015	6	06/23/2015 6:26 PM	. .	. Hours, . Minutes	Public Service Electric & Gas	NPCC	New Jersey	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	90	73000
2015	6	06/23/2015 6:30 PM	06/24/2015 5:00 AM	10 Hours, 30 Minutes	ISO New England	NPCC	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	62442
2015	6	06/26/2015 2:00 AM	. .	. Hours, . Minutes	Kansas City Power & Light Co	SPP	Kansas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	110000
2015	6	06/27/2015 5:00 PM	06/30/2015 5:18 PM	72 Hours, 18 Minutes	Detroit Edison Co	RFC	Wayne County, Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	68000
2015	6	06/29/2015 7:21 PM	06/29/2015 7:42 PM	0 Hours, 21 Minutes	Peak Reliability	WECC	Washington	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - Severe Weather	0	0
2015	6	06/30/2015 10:50 AM	07/01/2015 9:00 PM	34 Hours, 10 Minutes	Pacific Gas & Electric Co	WECC	California	Public appeal to reduce the use of electricity - Severe Weather	Unknown	Unknown
2015	6	06/30/2015 2:00 PM	06/30/2015 9:00 PM	7 Hours, 0 Minutes	California ISO	WECC	California	Public appeal to reduce the use of electricity - Severe Weather	Unknown	Unknown
2015	7	07/03/2015 5:17 PM	07/03/2015 11:30 PM	6 Hours, 13 Minutes	ERCOT	TRE	Texas	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - System Operations	350	30000
2015	7	07/13/2015 2:14 PM	07/16/2015 6:00 AM	63 Hours, 46 Minutes	Duke Energy Ohio Inc	RFC	Ohio, Kentucky	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	480	68339
2015	7	07/13/2015 7:40 PM	07/15/2015 12:15 PM	40 Hours, 35 Minutes	American Electric Power - (RFC Reliability Region)	RFC	Virginia	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	52739
2015	7	07/14/2015 3:29 PM	07/15/2015 11:55 AM	20 Hours, 26 Minutes	Entergy Services, Inc.	SPP	Arkansas	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - Severe Weather	Unknown	Unknown
2015	7	07/14/2015 8:00 PM	07/15/2015 9:23 AM	13 Hours, 23 Minutes	Southern Company	SERC	Alabama	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	366	111644
2015	7	07/15/2015 2:00 AM	07/15/2015 2:55 AM	0 Hours, 55 Minutes	California Department of Water Resources	WECC	California	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident - System Operations	360	0
2015	7	07/16/2015 4:45 PM	07/16/2015 5:48 PM	1 Hours, 3 Minutes	American Electric Power - (SPP Reliability Region)	SPP	Texas	Load shedding of 100 Megawatts or more implemented under emergency operational policy - System Operations	117	17311
2015	7	07/18/2015 2:00 AM	07/19/2015 7:00 AM	29 Hours, 0 Minutes	Northern States Power Co	MRO	Henepin and Ramsey County, Minnesota	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	250	250000
2015	7	07/18/2015 6:26 PM	07/18/2015 9:03 PM	2 Hours, 37 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	30	70
2015	7	07/18/2015 7:59 PM	07/18/2015 10:45 PM	2 Hours, 46 Minutes	Pacific Gas & Electric Co	WECC	California	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	160	78164
2015	7	07/21/2015 12:47 PM	07/21/2015 1:12 PM	0 Hours, 25 Minutes	Peak Reliability	WECC	Washington	Load shedding of 100 Megawatts or more implemented under emergency operational policy - System Operations	200	Unknown

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2015

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2015	7	07/27/2015 3:52 AM	07/27/2015 4:36 AM	0 Hours, 44 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	Unknown	484
2015	7	07/28/2015 12:05 PM	07/28/2015 12:26 PM	0 Hours, 21 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more - System Operations	150	Unknown
2015	7	07/29/2015 4:45 PM	07/29/2015 9:00 PM	4 Hours, 15 Minutes	Long Island Power Authority	NPCC	New York	Fuel supply emergencies that could impact electric power system adequacy or reliability - System Operations	500	0
2015	7	07/30/2015 9:50 AM	07/30/2015 7:00 PM	9 Hours, 10 Minutes	ERCOT	TRE	Texas	Public appeal to reduce the use of electricity - System Operations	Unknown	Unknown
2015	7	07/31/2015 10:55 AM	. .	. Hours, . Minutes	Peak Reliability	WECC	Washington	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational - System Operations	9	0
2015	8	08/02/2015 5:45 PM	08/04/2015 3:00 AM	33 Hours, 15 Minutes	Consumers Energy Co	RFC	Emmet County, Grand Traverse County, Leelanau County, Kalkaska County, Benzie County, Manistee County, Wexford County, Missaukee County, Mecosta County, Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	162000
2015	8	08/03/2015 12:30 AM	08/03/2015 2:00 AM	1 Hours, 30 Minutes	Exelon Corporation / ComEd	RFC	Illinois	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	115000
2015	8	08/03/2015 1:00 AM	08/05/2015 12:00 AM	47 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	72520
2015	8	08/04/2015 7:17 AM	08/05/2015 12:52 PM	29 Hours, 35 Minutes	ISO New England	NPCC	Massachusetts and Rhode Island	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	132000
2015	8	08/11/2015 7:30 PM	08/13/2015 4:05 AM	32 Hours, 35 Minutes	CenterPoint Energy	TRE	Houston, Texas	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	100000
2015	8	08/13/2015 3:15 PM	08/13/2015 7:00 PM	3 Hours, 45 Minutes	ERCOT	TRE	Williamson County, Texas	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system - Other	Unknown	Unknown
2015	8	08/27/2015 9:51 PM	08/28/2015 6:00 PM	20 Hours, 9 Minutes	Puerto Rico Electric Power Authority	WECC	Puerto Rico	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident / Loss of electric service to more than 50,000 customers for 1 hour or more - System Operations	360	Unknown
2015	8	08/29/2015 10:00 AM	. .	. Hours, . Minutes	Peak Reliability	WECC	Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	500000
2015	8	08/29/2015 11:00 AM	09/04/2015 3:00 PM	148 Hours, 0 Minutes	Puget Sound Energy	WECC	King County, Skagit County, Whatcom County, Kitsap County, Pierce County, Thurston County, Island County, Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	250	250000
2015	8	08/29/2015 1:00 PM	08/31/2015 7:00 AM	42 Hours, 0 Minutes	Seattle City Light	WECC	King County, Washington	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	1200	64000
2015	9	09/03/2015 2:33 AM	09/03/2015 6:25 AM	3 Hours, 52 Minutes	Lansing Board of Water & Light	RFC	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more - Severe Weather	Unknown	50114
2015	9	09/20/2015 1:12 PM	09/20/2015 1:44 PM	0 Hours, 32 Minutes	California ISO	WECC	California	Load shedding of 100 Megawatts or more implemented under emergency operational policy - System Operations	150	Unknown

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

Table B.2 Major Disturbances and Unusual Occurrences, 2014

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2014	1	01/06/2014 7:01 AM	01/07/2014 9:00 AM	25 Hours, 59 Minutes	ERCOT	TRE	Texas	Public Appeal due to Severe Weather - Cold	N/A	N/A
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	PPL Electric Utilities Corp	RFC	Pennsylvania	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	PJM Interconnection	RFC	Unknown	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	Potomac Electric Power Co	RFC	District of Columbia	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:49 PM	0 Hours, 59 Minutes	UGI Utilities, Inc	RFC	Pennsylvania	Voltage Reduction due to Severe Weather - Cold	200	62000
2014	1	01/06/2014 7:52 PM	01/06/2014 8:45 PM	0 Hours, 53 Minutes	Delmarva Power & Light Company	RFC	Delaware	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 8:45 PM	01/07/2014 9:00 PM	24 Hours, 15 Minutes	PJM Interconnection	RFC	Unknown	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 10:00 PM	01/06/2014 10:01 PM	0 Hours, 1 Minutes	Louisville Gas & Electric Co	RFC	Kentucky	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 AM	01/07/2014 8:30 AM	2 Hours, 30 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 AM	01/07/2014 8:30 AM	2 Hours, 30 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 7:58 AM	01/07/2014 11:00 AM	3 Hours, 2 Minutes	Duke Energy Progress	SERC	North Carolina	Voltage Reduction; Public Appeal due to Severe Weather - Cold	14435	Unknown
2014	1	01/07/2014 9:30 AM	01/08/2014 9:30 AM	24 Hours, 0 Minutes	Duke Energy Carolinas	SERC	Piedmont North Carolina, Piedmont South Carolina	Fuel Supply Emergency due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 10:59 AM	01/09/2014 9:00 AM	46 Hours, 1 Minutes	Prairie Power, Inc.	RFC	Illinois	Fuel Supply Emergency - Natural Gas	N/A	N/A
2014	1	01/07/2014 4:15 PM	01/08/2014 1:20 PM	21 Hours, 5 Minutes	Duke Energy Progress	SERC	North Carolina	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 PM	01/07/2014 11:00 PM	5 Hours, 0 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Voltage Reduction; Public Appeal; Load Shed 100+MW due to Severe Weather - Cold	4853	677858
2014	1	01/07/2014 9:00 PM	01/08/2014 9:00 AM	12 Hours, 0 Minutes	PJM Interconnection	RFC	Unknown	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/08/2014 5:00 AM	01/08/2014 6:30 AM	1 Hours, 30 Minutes	American Electric Power	RFC	Unknown	Voltage Reduction due to Severe Weather - Cold	576	Unknown
2014	1	01/08/2014 6:00 AM	01/08/2014 9:00 AM	3 Hours, 0 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Voltage Reduction; Public Appeal; Load Shed 100+MW due to Severe Weather - Cold	4545	677858
2014	1	01/17/2014 10:30 AM	01/28/2014 9:00 AM	262 Hours, 30 Minutes	Prairie Power, Inc.	RFC	Illinois	Fuel Supply Emergency - Natural Gas	Unknown	Unknown
2014	1	01/18/2014 9:00 AM	01/18/2014 9:45 AM	0 Hours, 45 Minutes	ERCOT	TRE	Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	1	01/18/2014 5:39 PM	. .	. Hours, . Minutes	First Energy Solutions Corp.	RFC	Unknown	Electrical System Islanding	Unknown	Unknown
2014	1	01/23/2014 4:00 AM	01/24/2014 12:00 PM	32 Hours, 0 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/23/2014 1:04 PM	01/24/2014 9:00 AM	19 Hours, 56 Minutes	PJM Interconnection	RFC	Maryland	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/23/2014 4:00 PM	01/24/2014 12:00 PM	20 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/24/2014 12:00 AM	. .	. Hours, . Minutes	We Energies	RFC	Wisconsin	Fuel Supply Emergency - Coal	Unknown	
2014	1	01/27/2014 2:20 PM	01/28/2014 9:00 PM	30 Hours, 40 Minutes	PJM Interconnection	RFC	Maryland	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	2	02/05/2014 12:00 AM	02/09/2014 6:00 PM	114 Hours, 0 Minutes	FirstEnergy Corp: Potomac Edison	RFC	Maryland, West Virginia	Severe Weather - Snow/Ice	Unknown	101580
2014	2	02/05/2014 1:00 AM	02/09/2014 8:40 PM	115 Hours, 40 Minutes	FirstEnergy Corp: Met-Ed	RFC	Pennsylvania	Severe Weather - Snow/Ice	Unknown	144000
2014	2	02/05/2014 5:00 AM	02/05/2014 5:01 AM	0 Hours, 1 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Snow/Ice	Unknown	715000
2014	2	02/05/2014 7:00 AM	02/23/2014 7:00 AM	432 Hours, 0 Minutes	Upstate New York Power Producers	NPCC	New York	Fuel Supply Emergency - Coal	300	Unknown
2014	2	02/05/2014 7:35 AM	02/07/2014 4:03 AM	44 Hours, 28 Minutes	PPL Electric Utilities Corp	RFC	Lancaster Region, Pennsylvania	Severe Weather - Snow/Ice	Unknown	62159
2014	2	02/05/2014 8:05 AM	02/05/2014 8:06 AM	0 Hours, 1 Minutes	Baltimore Gas & Electric Company	RFC	Baltimore, Maryland	Severe Weather - Ice	800	181000
2014	2	02/06/2014 1:00 PM	02/06/2014 10:00 PM	9 Hours, 0 Minutes	California ISO	WECC	California	Fuel Supply Emergency - Natural Gas	4000	Unknown
2014	2	02/06/2014 1:05 PM	02/06/2014 7:15 PM	6 Hours, 10 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Fuel Supply Emergency - Natural Gas	160	Unknown
2014	2	02/06/2014 1:58 PM	02/06/2014 8:40 PM	6 Hours, 42 Minutes	American Electric Power	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/06/2014 2:15 PM	02/06/2014 7:39 PM	5 Hours, 24 Minutes	Southern California Edison	WECC	California	Fuel Supply Emergency - Natural Gas	611	Unknown
2014	2	02/06/2014 3:35 PM	02/07/2014 11:30 AM	19 Hours, 55 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/07/2014 7:00 AM	03/21/2014 8:00 AM	1,009 Hours, 0 Minutes	Somerset Operating Company, LLC	NPCC	Niagara County New York	Fuel Supply Emergency - Coal	675	Unknown
2014	2	02/07/2014 4:30 PM	02/08/2014 9:00 AM	16 Hours, 30 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/07/2014 4:50 PM	02/07/2014 8:30 PM	3 Hours, 40 Minutes	American Electric Power	TRE	Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/12/2014 7:48 AM	02/15/2014 4:30 AM	68 Hours, 42 Minutes	Southern Company	SERC	Northern/Northeastern Georgia	Severe Weather - Snow/Ice	1246	373835
2014	2	02/12/2014 11:03 AM	02/15/2014 8:40 AM	69 Hours, 37 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Severe Weather - Snow/Ice	700	120124
2014	2	02/12/2014 12:10 PM	02/15/2014 3:20 PM	75 Hours, 10 Minutes	Duke Energy Progress	SERC	North Carolina	Severe Weather - Snow/Ice	Unknown	200000
2014	2	02/20/2014 4:40 PM	02/21/2014 11:59 PM	31 Hours, 19 Minutes	Ameren Missouri	SERC	Missouri, Illinois	Severe Weather - Snow/Ice	Unknown	66000
2014	2	02/21/2014 2:53 AM	02/21/2014 9:00 PM	18 Hours, 7 Minutes	Southern Company	SERC	Northern/Northeastern Georgia	Severe Weather - Thunderstorms/High Winds	221	66445
2014	3	03/02/2014 7:00 PM	03/04/2014 9:00 AM	38 Hours, 0 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal due to Severe Weather - Cold	N/A	N/A
2014	3	03/03/2014 1:48 AM	03/03/2014 1:49 AM	0 Hours, 1 Minutes	Public Utility District #1 of Chelan County (CHPD)	WECC	Mid-Columbia River Generation, Washington	Fuel Supply Emergency - Hydro	630	Unknown
2014	3	03/03/2014 6:40 AM	03/03/2014 3:28 PM	8 Hours, 48 Minutes	Tennessee Valley Authority	SERC	Tennessee	Severe Weather - Winter Storm	Unknown	65904
2014	3	03/04/2014 9:06 AM	03/17/2014 9:06 AM	312 Hours, 0 Minutes	Wisconsin Public Service Corp	MRO	Weston, Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	3	03/07/2014 3:30 AM	03/07/2014 9:00 PM	17 Hours, 30 Minutes	Duke Energy Carolinas	SERC	Triad, North Carolina	Severe Weather - Winter Storm	1500	370900
2014	3	03/12/2014 7:35 PM	03/13/2014 12:00 PM	16 Hours, 25 Minutes	Duke Energy Carolinas	SERC	North Carolina	Severe Weather - High Winds	250	61377
2014	3	03/26/2014 1:37 PM	03/26/2014 2:33 PM	0 Hours, 56 Minutes	Peak Reliability	WECC	Montana	Electrical System Separation (Islanding)	Unknown	Unknown
2014	3	03/31/2014 3:41 PM	03/31/2014 8:08 PM	4 Hours, 27 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	System Wide Voltage Reduction	Unknown	Unknown
2014	4	04/03/2014 12:00 AM	. .	. Hours, . Minutes	City of Garland / Texas Municipal Power Agency	TRE	Texas	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	4	04/03/2014 2:45 PM	04/09/2014 11:53 AM	141 Hours, 8 Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	4	04/04/2014 3:30 AM	04/04/2014 8:15 AM	4 Hours, 45 Minutes	Entergy Services, Inc.	SERC	Central Arkansas	Severe Weather - Wind	Unknown	57200
2014	4	04/08/2014 11:09 AM	04/08/2014 11:20 AM	0 Hours, 11 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Voltage Reduction	Unknown	Unknown
2014	4	04/12/2014 6:15 PM	04/14/2014 9:00 AM	38 Hours, 45 Minutes	Consumers Energy	RFC	Western and Central Michigan	Severe Weather - Thunderstorms	Unknown	50000
2014	4	04/12/2014 8:00 PM	04/15/2014 7:30 PM	71 Hours, 30 Minutes	Detroit Edison Company	RFC	Michigan	Severe Weather	Unknown	164000
2014	4	04/23/2014 7:45 PM	04/23/2014 8:37 PM	0 Hours, 52 Minutes	MISO / Entergy Transmission	SERC	Baton Rouge, Louisiana	Load shedding of 100 Megawatts	163	28000
2014	4	04/24/2014 3:02 PM	04/24/2014 5:13 PM	2 Hours, 11 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	4	04/27/2014 9:15 AM	. .	. Hours, . Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	9750	4000000
2014	4	04/29/2014 9:37 AM	05/01/2014 9:00 AM	47 Hours, 23 Minutes	Tennessee Valley Authority	SERC	Northeastern Mississippi, Northern Alabama	Severe Weather - Thunderstorms	Unknown	57000
2014	4	04/29/2014 11:30 PM	04/29/2014 12:30 PM	-11 Hours, 0 Minutes	Southern Company	SERC	Mississippi, Alabama	Severe Weather - Thunderstorms	355	106648
2014	4	04/30/2014 3:50 AM	04/30/2014 2:00 PM	10 Hours, 10 Minutes	Southern Company	SERC	Alabama, Florida, Georgia	Severe Weather - Thunderstorms	296	89000

Table B.2 Major Disturbances and Unusual Occurrences, 2014

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2014	5	05/09/2014 6:00 PM	05/11/2014 1:00 PM	43 Hours, 0 Minutes	Vectren Energy Delivery of Indiana	RFC	Indiana	Severe Weather - Heavy Winds	Unknown	56000
2014	5	05/14/2014 3:34 PM	. .	. Hours, . Minutes	San Diego Gas & Electric Company	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	N/A	N/A
2014	5	05/15/2014 10:43 AM	. .	. Hours, . Minutes	San Diego Gas & Electric Co	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	3300	1400000
2014	5	05/16/2014 10:43 AM	05/16/2014 9:00 PM	10 Hours, 17 Minutes	San Diego Gas & Electric Co	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	3900	1400000
2014	5	05/26/2014 12:31 PM	05/26/2014 1:18 PM	0 Hours, 47 Minutes	Peak Reliability	WECC	British Columbia & Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	6	06/03/2014 3:32 PM	06/03/2014 3:59 PM	0 Hours, 27 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Islanding	338	N/A
2014	6	06/05/2014 3:00 AM	06/07/2014 11:45 PM	68 Hours, 45 Minutes	Memphis Light Gas and Water Division	SERC	Shelby County, Tennessee	Severe Weather - Thunderstorms	494	38500
2014	6	06/05/2014 1:06 PM	06/05/2014 1:07 PM	0 Hours, 1 Minutes	Tennessee Valley Authority	SERC	West Tennessee	Severe Weather - Thunderstorms	Unknown	56475
2014	6	06/06/2014 1:00 PM	. .	. Hours, . Minutes	Luminant Energy Company, LLC	ERCOT	Texas	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	6	06/07/2014 11:00 PM	06/08/2014 5:30 AM	6 Hours, 30 Minutes	Southern Company	SERC	North and Central , Alabama	Severe Weather - Thunderstorms	217	65000
2014	6	06/09/2014 11:07 AM	06/09/2014 11:30 AM	0 Hours, 23 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Islanding	Unknown	Unknown
2014	6	06/10/2014 9:50 PM	06/11/2014 2:30 PM	16 Hours, 40 Minutes	American Electric Power	RFC	West Virginia	Severe Weather - Thunderstorms	Unknown	66383
2014	6	06/15/2014 12:00 AM	06/15/2014 1:00 AM	1 Hours, 0 Minutes	Xcel Energy	MRO	Central Minnesota	Severe Weather - Thunderstorms	Unknown	55951
2014	6	06/18/2014 5:00 PM	06/20/2014 3:00 PM	46 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	138802
2014	6	06/27/2014 1:21 PM	. .	. Hours, . Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	6	06/30/2014 5:55 PM	07/01/2014 2:53 AM	8 Hours, 58 Minutes	We Energies	MRO	Southeast Wisconsin	Severe Weather - Thunderstorms	424	120000
2014	6	06/30/2014 8:00 PM	07/02/2014 6:30 PM	46 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	420000
2014	6	06/30/2014 11:20 PM	07/01/2014 5:00 PM	17 Hours, 40 Minutes	Northern Indiana Public Service Company	RFC	North Central Indiana	Severe Weather - Thunderstorms	Unknown	127000
2014	7	07/01/2014 3:30 AM	. .	. Hours, . Minutes	Consumers Energy Co	RFC	Southwest Michigan	Severe Weather - Thunderstorms	Unknown	51000
2014	7	07/01/2014 4:00 AM	07/03/2014 11:30 PM	67 Hours, 30 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	140000
2014	7	07/01/2014 5:00 AM	07/02/2014 2:00 AM	21 Hours, 0 Minutes	American Electric Power	RFC	Indiana, Michigan	Severe Weather - Thunderstorms	Unknown	57237
2014	7	07/02/2014 8:39 AM	07/28/2014 3:13 PM	630 Hours, 34 Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	7	07/03/2014 6:00 PM	07/06/2014 12:00 PM	66 Hours, 0 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Thunderstorms	Unknown	298165
2014	7	07/03/2014 10:55 PM	07/04/2014 1:50 AM	2 Hours, 55 Minutes	ISO New England	NPCC	Vermont, New Hampshire, Maine, Rhode Island, Massachusetts, Connecticut	Severe Weather - Thunderstorms	Unknown	64000
2014	7	07/08/2014 5:30 PM	07/10/2014 3:00 PM	45 Hours, 30 Minutes	PPL Electric Utilities Corp	RFC	Central and Northeastern Pennsylvania	Severe Weather - Thunderstorms	Unknown	66000
2014	7	07/08/2014 5:30 PM	07/12/2014 11:20 PM	101 Hours, 50 Minutes	FirstEnergy Corp: Potomac Edison	RFC	Maryland, West Virginia	Severe Weather - Thunderstorms	Unknown	96000
2014	7	07/08/2014 5:30 PM	07/12/2014 11:30 PM	102 Hours, 0 Minutes	FirstEnergy Corp: Mon Power	RFC	West Virginia	Severe Weather - Thunderstorms	Unknown	71000
2014	7	07/08/2014 6:00 PM	07/11/2014 5:53 PM	71 Hours, 53 Minutes	FirstEnergy Corp: Met-Ed	RFC	Eastern Pennsylvania	Severe Weather - Thunderstorms	Unknown	69000
2014	7	07/08/2014 7:21 PM	07/11/2014 7:00 AM	59 Hours, 39 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	Upstate New York	Severe Weather - Thunderstorms	Unknown	65000
2014	7	07/08/2014 8:30 PM	07/11/2014 11:00 PM	74 Hours, 30 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Thunderstorms	Unknown	260000
2014	7	07/08/2014 9:31 PM	. .	. Hours, . Minutes	Baltimore Gas & Electric Company	RFC	Maryland	Severe Weather - Thunderstorms	Unknown	56600
2014	7	07/23/2014 7:14 PM	07/24/2014 12:23 AM	5 Hours, 9 Minutes	American Electric Power	SERC	Arkansas, Louisiana	Severe Weather - Thunderstorms	Unknown	57299
2014	7	07/24/2014 4:29 PM	07/24/2014 11:32 PM	7 Hours, 3 Minutes	Southern California Edison	WECC	California	Load shedding of 100 Megawatts	126	26856
2014	7	07/27/2014 5:00 PM	07/28/2014 11:00 PM	30 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	156611
2014	7	07/27/2014 11:00 PM	07/28/2014 4:00 AM	5 Hours, 0 Minutes	California Department of Water Resources	WECC	Central California	Uncontrolled Loss of 300 Megawatts	480	1
2014	8	08/13/2014 6:08 AM	08/13/2014 6:34 AM	0 Hours, 26 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	370	Unknown
2014	8	08/20/2014 1:21 AM	08/20/2014 1:41 AM	0 Hours, 20 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	8	08/23/2014 4:39 PM	08/24/2014 1:46 AM	9 Hours, 7 Minutes	Illinois Municipal Electric Agency	RFC	City of Highland, Illinois	Operational Failure of Electrical System	31	6549
2014	8	08/24/2014 3:20 AM	08/25/2014 7:05 AM	27 Hours, 45 Minutes	PG&E	WECC	North of San Francisco, California	Earthquake	95	70000
2014	8	08/26/2014 3:30 PM	. .	. Hours, . Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	Unknown
2014	9	09/05/2014 4:30 PM	09/06/2014 2:00 PM	21 Hours, 30 Minutes	Exelon Corporation / ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	180400
2014	9	09/05/2014 7:14 PM	09/06/2014 1:00 PM	17 Hours, 46 Minutes	Consumers Energy	RFC	Lower Peninsula of Michigan	Severe Weather - Thunderstorms	50	60000
2014	9	09/05/2014 8:00 PM	. .	. Hours, . Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Thunderstorms	Unknown	324000
2014	9	09/09/2014 8:18 AM	09/09/2014 11:59 PM	15 Hours, 41 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	9	09/11/2014 4:56 AM	09/11/2014 5:37 AM	0 Hours, 41 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	9	09/14/2014 9:50 PM	09/17/2014 3:08 PM	65 Hours, 18 Minutes	Portland General Electric	WECC	Oregon	Electrical System Separation (Islanding)	1	123
2014	9	09/19/2014 2:20 PM	09/23/2014 1:10 PM	94 Hours, 50 Minutes	Portland General Electric	WECC	Estacada, Oregon	Electrical System Separation (Islanding)	1	123
2014	9	09/22/2014 11:00 AM	09/22/2014 11:01 AM	0 Hours, 1 Minutes	Minnesota Power Inc	MRO	Northeast Minnesota	Fuel Supply Emergency - Coal	1000	140000
2014	10	10/02/2014 4:00 PM	10/07/2014 10:00 AM	114 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas	Severe Weather - Thunderstorms	Unknown	500000
2014	10	10/02/2014 10:15 PM	. .	. Hours, . Minutes	Entergy Services, Inc.	SERC	Arkansas	Severe Weather - Thunderstorms	Unknown	67300
2014	10	10/06/2014 10:52 AM	10/07/2014 12:52 AM	14 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Thunderstorms	292	129237
2014	10	10/08/2014 4:47 PM	10/08/2014 6:29 PM	1 Hours, 42 Minutes	ERCOT	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage; Load Shed of 100 MW	Unknown	Unknown
2014	10	10/08/2014 4:49 PM	10/08/2014 6:23 PM	1 Hours, 34 Minutes	American Electric Power - Texas	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage; Load Shed of 100 MW	585	120000
2014	10	10/09/2014 9:27 AM	. .	. Hours, . Minutes	American Electric Power	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage	Unknown	2800
2014	10	10/13/2014 12:45 PM	10/13/2014 4:15 PM	3 Hours, 30 Minutes	Entergy Services, Inc.	SERC	Louisiana	Severe Weather - Thunderstorms	Unknown	68600
2014	10	10/14/2014 5:44 AM	10/14/2014 5:50 PM	12 Hours, 6 Minutes	Southern Company	SERC	Alabama, Florida, Georgia	Severe Weather - Thunderstorms	191	57475
2014	10	10/14/2014 6:20 PM	10/14/2014 6:28 PM	0 Hours, 8 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Voltage Reduction	Unknown	Unknown
2014	10	10/22/2014 10:46 PM	10/22/2014 10:47 PM	0 Hours, 1 Minutes	ISO New England	NPCC	New Hampshire, Maine, Massachusetts, Rhode Island, Connecticut, Vermont	Severe Weather	Unknown	66650
2014	10	10/25/2014 4:00 PM	10/25/2014 10:00 PM	6 Hours, 0 Minutes	Portland General Electric Co	WECC	Greater Portland and Salem, Oregon	Severe Weather - Wind	216	78000
2014	10	10/25/2014 6:00 PM	. .	. Hours, . Minutes	Puget Sound Energy	WECC	King County, Thurston County and Kitsap County, Washington	Severe Weather - Wind	154	96000

Table B.2 Major Disturbances and Unusual Occurrences, 2014

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2014	11	11/02/2014 1:46 PM	. .	. Hours, . Minutes	ISO New England	NPCC	Massachusetts, Maine, Vermont, New Hampshire, Rhode Island, Connecticut	Severe Weather - Winter Storm	Unknown	63719
2014	11	11/11/2014 6:00 PM	11/14/2014 3:00 PM	69 Hours, 0 Minutes	Puget Sound Energy	WECC	Washington	Severe Weather - Wind	132	68000
2014	11	11/14/2014 9:50 AM	11/14/2014 1:18 PM	3 Hours, 28 Minutes	Portland General Electric Co	WECC	Estacada, Oregon	Electrical System Islanding	1	123
2014	11	11/24/2014 12:00 AM	. .	. Hours, . Minutes	Southwestern Public Service Company	SPP	Nebraska, Kansas, Texas, Arkansas, Louisiana, New Mexico	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	11	11/24/2014 12:00 PM	11/27/2014 1:00 PM	73 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Wind	Unknown	186154
2014	11	11/26/2014 5:50 PM	11/28/2014 7:00 AM	37 Hours, 10 Minutes	ISO New England	NPCC	New Hampshire, Massachusetts, Maine, Rhode Island, Connecticut, Vermont	Severe Weather - Winter Storm	Unknown	79530
2014	12	12/11/2014 6:40 AM	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	Unknown	Unknown
2014	12	12/11/2014 7:21 AM	12/11/2014 9:53 PM	14 Hours, 32 Minutes	Pacific Gas & Electric Co	WECC	San Francisco, California	Distribution Interruption - Unknown Cause	225	75000
2014	12	12/11/2014 4:05 PM	12/11/2014 9:00 PM	4 Hours, 55 Minutes	Portland General Electric Co	WECC	Portland, Oregon	Severe Weather- High Winds	250	85470
2014	12	12/11/2014 5:00 PM	12/12/2014 10:00 AM	17 Hours, 0 Minutes	Puget Sound Energy	WECC	Kitsap, Thurston, Whatcom counties Washington	Severe Weather- High Winds	116	264000
2014	12	12/11/2014 11:15 PM	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	Unknown	Unknown
2014	12	12/30/2014 1:08 PM	01/01/2015 4:50 PM	51 Hours, 42 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	127	84500

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

Appendix C

Technical notes

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

Data quality

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

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

Reliability of data

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

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

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

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

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

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

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

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

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

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

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

Data revision procedure

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

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

Data sources for Electric Power Monthly

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

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

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

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

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

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

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

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

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

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

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

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

P Indicates a preliminary value.

NM Data value is not meaningful, either (1) when compared to the same value for the previous time period, or (2) when a data value is not meaningful due to having a high Relative Standard Error (RSE).

Form EIA-826

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

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

In 1993, EIA for the first time used a model sample for the Form EIA 826. A stratified random sample, employing auxiliary data, was used for each of the four previous years. The sample for the Form EIA 826 was designed to obtain estimates of electricity sales and average price of electricity to ultimate consumers 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 energy providers to ultimate consumers or power marketers that provide bundled service. Also, the Form EIA-826 frame was modified to include all investor-owned electric utilities and a sample of companies from other ownership classes. A new method of estimation was implemented at this same time. (See EPM April 2001, p.1.)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form EIA-860

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

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

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

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

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

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

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

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

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

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

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

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

Form EIA-860M

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

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

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

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

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

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

Form EIA-861

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

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

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

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

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

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

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

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

Form EIA-923

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

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

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

Instrument and design history:

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

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

Both the Form EIA-423 and FERC Form 423 were superseded by Schedule 2 of the Form EIA-923 in January of 2008. At the time, the Form EIA-923 maintained the 50-megawatt threshold for these data. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts.

Not all data are collected monthly on the Form EIA-923. Beginning with 2008 data, a sample of the respondents report monthly, with the remainder reporting annually. Until January 2013, monthly fuel receipts values for the annual surveys were imputed via regression. Prior to 2008, Schedule 2 annual data were not collected or imputed.

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

If the reported data appear to be in error and the data issue cannot be resolved by follow up contact with the respondent, or if a facility is a nonrespondent, a regression methodology is used to impute for the facility. Beginning in January 2013, imputation is not performed for fuel receipts data reported on Schedule 2.

Imputation: For select survey data elements collected monthly, regression prediction, or imputation, is done for missing data, including non-sampled units and any non-respondents. For data collected annually, imputation is performed for non-respondents. For gross generation and total fuel

consumption, multiple regression is used for imputation (see discussion, above). Only approximately 0.02 percent of the national total generation for 2010 is imputed, although this will vary by State and energy source.

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

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

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

Receipts of fossil fuels: Receipts data, including cost and quality of fuels, are collected at the plant level from selected electric generating plants and fossil-fuel storage terminals in the United States. These plants include independent power producers, electric utilities, and commercial and industrial combined heat and power producers. All plants with a total fossil-fueled nameplate capacity of 50 megawatts or more (excluding storage terminals, which do not produce electricity) were required to report receipts of fossil fuels. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The data on cost and quality of fuel shipments are used to produce aggregates and weighted averages for each fuel type at the state, Census division, and U.S. levels.

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

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

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

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

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

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

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

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

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

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

These values are used to allocate net generation published in the Electric Power Monthly generation tables. The tons of biogenic and non-biogenic components were estimated with the assumption that glass and metals were removed prior to combustion. The average Btu/ton for the biogenic and non-

biogenic components is estimated by dividing the total Btu consumption by the total tons. Published net generation attributed to biogenic MSW and non-biogenic MSW is classified under Other Renewables and Other, respectively.

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

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

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

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

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

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

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

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

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

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

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

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

Issues within historical data series:

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

Historical data collected on FERC Form 423 and published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, these data were collected by FERC for regulatory rather than statistical and publication purposes. EIA did not attempt to resolve any late filing issues in the FERC Form 423 data. In 2003, EIA introduced a procedure to estimate for late or non-responding entities due to report on the FERC Form 423. Due to the introduction of this procedure, 2003 and later data cannot be directly compared to previous years' data. In January 2013, this estimation procedure was dropped.

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

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

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

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

Average Capacity Factors

This section describes the methodology for calculating capacity factors by fuel and technology type for operating electric power plants. Capacity factor is a measure (expressed as a percent) of how often an electric generator operates over a specific period of time, using a ratio of the actual output to the maximum possible output over that time period.

The capacity factor calculation only includes operating electric generators in the Electric Power Sector (sectors 1, 2 and 3) using the net generation reported on the Form EIA-923 and the net summer capacity reported on the Form EIA-860. The capacity factor for a particular fuel/technology type is given by:

$$CapacityFactor = \left(\frac{\sum_{x,m} Generation_{x,m}}{\sum_{x,m} Capacity_{x,m} * AvailableTime_{x,m}} \right)$$

Where x represents generators of that fuel/technology combination and m represents the period of time (month or year). Generation and capacity are specific to a generator, and the generator is categorized by its primary fuel type as reported on the EIA-860. All generation from that generator is included, regardless of other fuels consumed. Available time is also specific to the generator in order to account for differing online and retirement dates. Therefore, these published capacity factors will differ from a simple calculation using annual generation and capacity totals from the appropriate tables in this publication.

NERC classification

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

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

The new NERC Regional Council names are as follows:

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

Business classification

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

Agriculture, Forestry, and Fishing

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

Mining

211 Oil and gas extraction
2121 Coal mining
2122 Metal mining

2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

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

Transportation and Public Utilities

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

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

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

Public Administration

92

Multiple Survey Programs- Small Scale PV Solar Estimation of Generation

Monthly generation from small scale PV solar resources is an estimation of the generation produced from PV solar resources and not the results of a data collection effort for generation directly, with the exception of "Third Party Owned" or (TPO) solar installations which has direct data collection. TPO data however is not comprehensive. TPOs do not operate in every state, TPO collected data is not a large portion of the estimated amount, and the data has been collected for limited period of time. The generation estimate is based on data collected for PV solar capacity.

Capacity of PV solar resources is collected directly from respondents. These data are collected on several EIA forms and from several types of respondents. Monthly data for net-metered PV solar capacity is reported on the Form EIA-826. Form EIA-826 is a cutoff sample drawn from the annual survey Form EIA-861 which collects this data from all respondents. Using data from both of these surveys we have a regression model to impute for the non-sampled monthly capacity.

The survey instruments collect solar net metering capacity from reporting utilities by state and customer class. There are four customer classes: residential, commercial, industrial and transportation. However, the estimation process included only the residential, commercial and industrial customers.[1] Data for these customer classes were further classified by U.S. Census Regions, to ensure adequate number of customer observations in for each estimation group.

Estimation Model: The total PV capacity reported by utilities in the annual EIA-861 survey is the single primary input (regressor) to the monthly estimation of PV capacity by state. The model tested for each Census Region was of the form:

$$y_{i_{2015,m}} = \beta_1 x_{i_{2013}} + w_i^{-1/2} e_i \text{, where}$$

$x_{i_{2013}}$ is the ith utility's 2013 (or the last published year) solar PV capacity

$y_{i_{2015,m}}$ is the ith utility's month m, 2015 (or the current year) reported solar PV capacity

w_i is the weight factor, which is the inverse of $x_{i_{2013}}$

β_1 is effectively the growth rate of reported month m solar PV capacity

e_i is the error term

The model checks for outliers and removes them from the regression equation inputs. The model calculates RSEs by sector, state, census region, and US total. Once we have imputed for all of the

monthly net-metered PV solar capacity we add to total net metered capacity, the PV solar capacity collected on the Form EIA-861 for distributed and dispersed resources that are not net metered.

We use a second model to estimate the generation using this capacity as an input. The original methodology was developed for the "Annual Energy Outlook" based on our "NEMS" modelled projections several years ago. The original method underwent a calibration project designed to develop PV production levels for the NEMS projections consistent with simulations of a National Renewable Energy Laboratory model called PVWatts, which is itself embedded in PC software under the umbrella of the NREL's System Advisor Model (SAM).

The PVWatts simulations require, panel azimuth orientations and tilts, something that the NEMS projections do not include. Call the combinations of azimuths and tilts "orientations." The orientation and solar insolation (specific to a location) have a direct effect on the PV production level. The calibration project selected the 100 largest population Metropolitan Statistical Areas (MSAs) and relied on weights derived from orientation data from California Solar Initiative dataset to develop typical outputs for each of the 100 MSAs. It then was expanded from an annual estimate to a monthly estimate. A further description of this model is located here. A listing of the MSAs are included in Appendix 1.

Using Form EIA-861 data for service territories, which lists the counties that each electric distribution company (EDC) provides service, and NREL solar insolation data by county a simple average of insolation values by EDC is calculated.

Using the estimation model, we produce by utility, by state and by sector an estimate of generation. All the utilities'' capacity and generation estimates are summed by state and sector and a KWh/KW rate by state and sector is calculated.

Capacity from the Form EIA-860 that is net metered is subtracted from the total capacity by state and sector as well as the capacity reported on the EIA-826 from TPOs, resulting in a new "net" capacity amount. This capacity amount is multiplied by the KWh/KW rate to produce the non-TPO generation estimate and then it is added to the TPO reported sales to ultimate customers from the EIA-826 to obtain a final estimate for generation and a blended KWh/KW rate is calculated. The estimate for generation is aggregated by US census regions and US totals. The RSEs for capacity are checked for level of error and if they pass, the summary data by state, US census region and US total are reported in the EPM.

Appendix 2 contains a flow diagram of the data inputs, data quality control checks and data analysis required to perform this estimation.

Appendix 1- MSAs

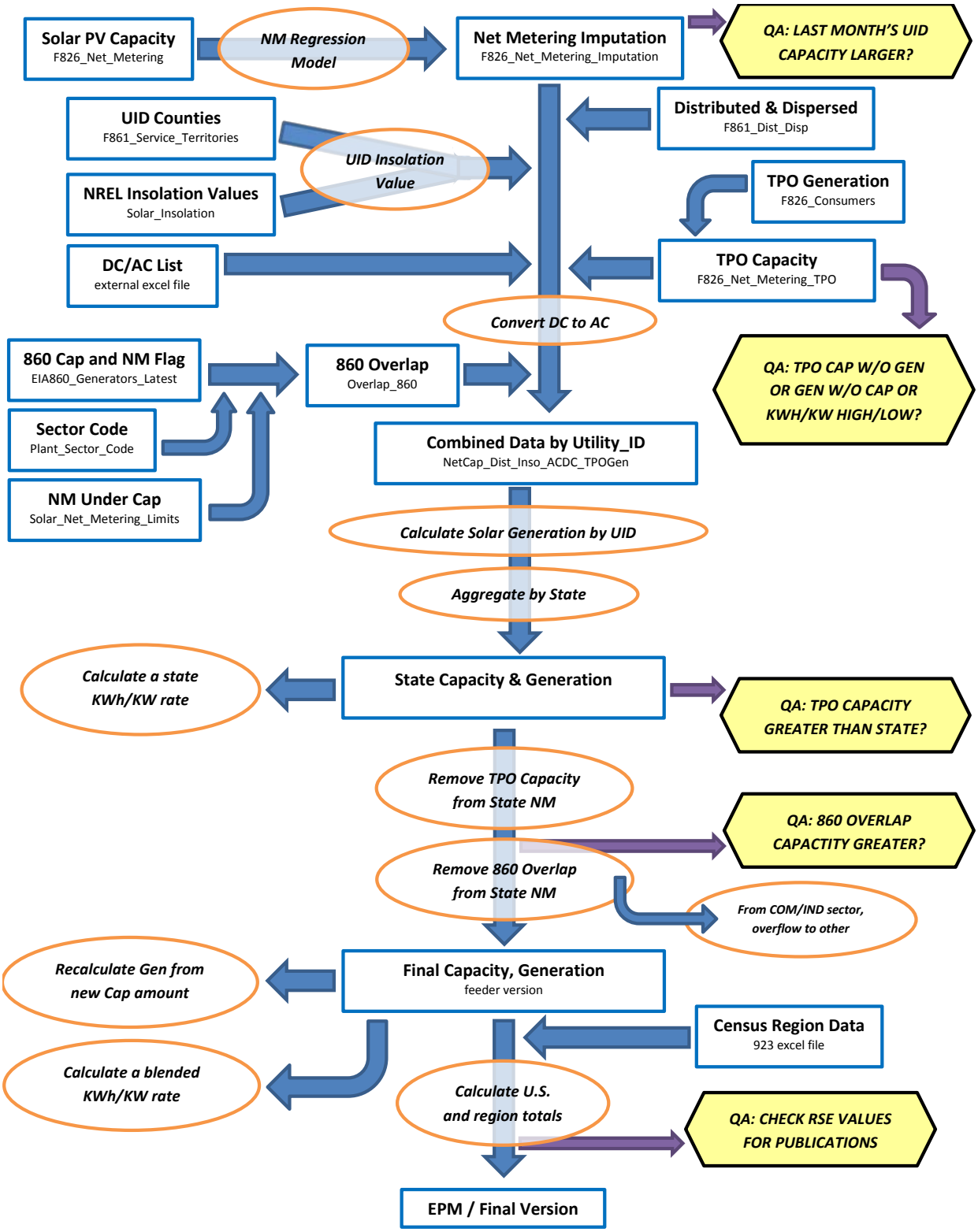
TMY3 (1991-2005) Weather Stations by MSA

Site	Weather Location	MSA
1	USA NY New York Central Park Obs.	New York-Newark-Jersey City, NY-NJ-PA MSA
2	USA CA Los Angeles Intl Airport	Los Angeles-Long Beach-Anaheim, CA MSA
3	USA IL Chicago Midway Airport	Chicago-Naperville-Elgin, IL-IN-WI MSA
4	USA TX Dallas-fort Worth Intl Airport	Dallas-Fort Worth-Arlington, TX MSA
5	USA TX Houston Bush Intercontinental	Houston-The Woodlands-Sugar Land, TX MSA
6	USA PA Philadelphia Int'l Airport	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD MSA
7	USA VA Washington Dc Reagan Airport	Washington-Arlington-Alexandria, DC-VA-MD-WV MSA
8	USA FL Miami Intl Airport	Miami-Fort Lauderdale-West Palm Beach, FL MSA
9	USA GA Atlanta Hartsfield Intl Airport	Atlanta-Sandy Springs-Roswell, GA MSA
10	USA MA Boston Logan Int'l Airport	Boston-Cambridge-Newton, MA-NH MSA
11	USA CA San Francisco Intl Airport	San Francisco–Oakland–Hayward, CA MSA
12	USA AZ Phoenix Sky Harbor Intl Airport	Phoenix-Mesa-Scottsdale, AZ MSA
13	USA CA Riverside Municipal Airport	Riverside-San Bernardino-Ontario, CA MSA
14	USA MI Detroit City Airport	Detroit-Warren-Dearborn, MI MSA
15	USA WA Seattle Seattle-Tacoma Intl Airport	Seattle-Tacoma-Bellevue, WA MSA
16	USA MN Minneapolis-St. Paul Int'l Arp	Minneapolis-St. Paul-Bloomington, MN-WI MSA
17	USA CA San Diego Lindbergh Field	San Diego-Carlsbad, CA MSA
18	USA FL Tampa Int'l Airport	Tampa-St. Petersburg-Clearwater, FL MSA
19	USA MO St Louis Lambert Int'l Airport	St. Louis, MO-IL MSA
20	USA MD Baltimore-Washington Int'l Airport	Baltimore-Columbia-Towson, MD MSA
21	USA CO Denver Centennial [Golden - NREL]	Denver-Aurora-Lakewood, CO MSA
22	USA PA Pittsburgh Allegheny Co Airport	Pittsburgh, PA MSA
23	USA NC Charlotte Douglas Intl Airport	Charlotte-Concord-Gastonia, NC-SC MSA
24	USA OR Portland Hillsboro	Portland-Vancouver-Hillsboro, OR-WA MSA
25	USA TX San Antonio Intl Airport	San Antonio-New Braunfels, TX MSA
26	USA FL Orlando Intl Airport	Orlando-Kissimmee-Sanford, FL MSA
27	USA CA Sacramento Executive Airport	Sacramento–Roseville–Arden-Arcade, CA MSA
28	USA OH Cincinnati Municipal Airport	Cincinnati, OH-KY-IN MSA
29	USA OH Cleveland Hopkins Intl Airport	Cleveland-Elyria, OH MSA
30	USA MO Kansas City Int'l Airport	Kansas City, MO-KS MSA
31	USA NV Las Vegas McCarran Intl Airport	Las Vegas-Henderson-Paradise, NV MSA
32	USA OH Columbus Port Columbus Intl A	Columbus, OH MSA
33	USA IN Indianapolis Intl Airport	Indianapolis-Carmel-Anderson, IN MSA
34	USA CA San Jose Intl Airport	San Jose-Sunnyvale-Santa Clara, CA MSA
35	USA TX Austin Mueller Municipal Airport	Austin-Round Rock, TX MSA
36	USA TN Nashville Int'l Airport	Nashville-Davidson–Murfreesboro–Franklin, TN MSA

37	USA VA Norfolk Int'l Airport	Virginia Beach-Norfolk-Newport News, VA-NC MSA
38	USA RI Providence T F Green State	Providence-Warwick, RI-MA MSA
39	USA WI Milwaukee Mitchell Intl Airport	Milwaukee-Waukesha-West Allis, WI MSA
40	USA FL Jacksonville Craig	Jacksonville, FL MSA
41	USA TN Memphis Int'l Airport	Memphis, TN-MS-AR MSA
42	USA OK Oklahoma City Will Rogers	Oklahoma City, OK MSA
43	USA KY Louisville Bowman Field	Louisville/Jefferson County, KY-IN MSA
44	USA VA Richmond Int'l Airport	Richmond, VA MSA
45	USA LA New Orleans Alvin Callender	New Orleans-Metairie, LA MSA
46	USA CT Hartford Bradley Intl Airport	Hartford-West Hartford-East Hartford, CT MSA
47	USA NC Raleigh Durham Int'l	Raleigh, NC MSA
48	USA UT Salt Lake City Int'l Airport	Salt Lake City, UT MSA
49	USA AL Birmingham Municipal Airport	Birmingham-Hoover, AL MSA
50	USA NY Buffalo Niagara Intl Airport	Buffalo-Cheektowaga-Niagara Falls, NY MSA
51	USA NY Rochester Greater Rochester	Rochester, NY MSA
52	USA MI Grand Rapids Kent County Int'l Airport	Grand Rapids-Wyoming, MI MSA
53	USA AZ Tucson Int'l Airport	Tucson, AZ MSA
54	USA HI Honolulu Intl Airport	Urban Honolulu, HI MSA
55	USA OK Tulsa Int'l Airport	Tulsa, OK MSA
56	USA CA Fresno Yosemite Intl Airport	Fresno, CA MSA
57	USA CT Bridgeport Sikorsky Memorial	Bridgeport-Stamford-Norwalk, CT MSA
58	USA MA Worchester Regional Airport	Worcester, MA-CT MSA
59	USA NM Albuquerque Intl Airport	Albuquerque, NM MSA
60	USA NE Omaha Eppley Airfield	Omaha-Council Bluffs, NE-IA MSA
61	USA NY Albany County Airport	Albany-Schenectady-Troy, NY MSA
62	USA CA Bakersfield Meadows Field	Bakersfield, CA MSA
63	USA CT New Haven Tweed Airport	New Haven-Milford, CT MSA
64	USA TN Knoxville McGhee Tyson Airport	Knoxville, TN MSA
65	USA SC Greenville Downtown Airport	Greenville-Anderson-Mauldin, SC MSA
66	USA CA Oxnard Airport	Oxnard-Thousand Oaks-Ventura, CA MSA
67	USA TX El Paso Int'l Airport	El Paso, TX MSA
68	USA PA Allentown Lehigh Valley Intl	Allentown-Bethlehem-Easton, PA-NJ MSA
69	USA LA Baton Rouge Ryan Airport	Baton Rouge, LA MSA
70	USA TX McCallen Miller Intl Airport	McAllen-Edinburg-Mission, TX MSA
71	USA OH Dayton Int'l Airport	Dayton, OH MSA
72	USA SC Columbia Metro Airport	Columbia, SC MSA
73	USA NC Greensboro Piedmont Triad Int'l Airport	Greensboro-High Point, NC MSA
74	USA FL Sarasota Bradenton	North Port-Sarasota-Bradenton, FL MSA
75	USA AR Little Rock Adams Field	Little Rock-North Little Rock-Conway, AR MSA
76	USA SC Charleston Intl Airport	Charleston-North Charleston, SC MSA
77	USA OH Akron Akron-canton Reg. Airport	Akron, OH MSA
78	USA CA Stockton Metropolitan Airport	Stockton-Lodi, CA MSA

79	USA CO Colorado Springs Muni Airport	Colorado Springs, CO MSA
80	USA NY Syracuse Hancock Int'l Airport	Syracuse, NY MSA
81	USA FL Fort Myers Page Field	Cape Coral-Fort Myers, FL MSA
82	USA NC Winston-Salem Reynolds Airport	Winston-Salem, NC MSA
83	USA ID Boise Air Terminal	Boise City, ID MSA
84	USA KS Wichita Mid-continent Airport	Wichita, KS MSA
85	USA WI Madison Dane Co Regional Airport	Madison, WI MSA
86	USA MA Worchester Regional Airport	Springfield, MA MSA
87	USA FL Lakeland Linder Regional Airport	Lakeland-Winter Haven, FL MSA
88	USA UT Ogden Hinkley Airport	Ogden-Clearfield, UT MSA
89	USA OH Toledo Express Airport	Toledo, OH MSA
90	USA FL Daytona Beach Intl Airport	Deltona-Daytona Beach-Ormond Beach, FL MSA
91	USA IA Des Moines Intl Airport	Des Moines-West Des Moines, IA MSA
92	USA GA Augusta Bush Field	Augusta-Richmond County, GA-SC MSA
93	USA MS Jackson Int’l Airport	Jackson, MS MSA
94	USA UT Provo Muni	Provo-Orem, UT MSA
95	USA PA Wilkes-Barre Scranton Intl Airport	Scranton–Wilkes-Barre–Hazleton, PA MSA
96	USA PA Harrisburg Capital City Airport	Harrisburg-Carlisle, PA MSA
97	USA OH Youngstown Regional Airport	Youngstown-Warren-Boardman, OH-PA MSA
98	USA FL Melbourne Regional Airport	Palm Bay-Melbourne-Titusville, FL MSA
99	USA TN Chattanooga Lovell Field Airport	Chattanooga, TN-GA MSA
100	USA WA Spokane Int’l Airport	Spokane-Spokane Valley, WA MSA

Appendix 2 – Flow diagram of data sources and analysis



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

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

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

Table C.1 Average Heat Content of Fossil-Fuel Receipts, September 2015

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	23.19	6.14	--	1.03
Connecticut	--	6.20	--	1.03
Maine	25.20	6.34	--	1.02
Massachusetts	21.37	6.22	--	1.03
New Hampshire	25.72	5.60	--	1.03
Rhode Island	--	5.88	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.55	6.04	--	1.04
New Jersey	25.59	5.80	--	1.04
New York	24.58	6.20	--	1.03
Pennsylvania	23.51	5.79	--	1.04
East North Central	20.05	5.80	28.38	1.04
Illinois	17.63	5.80	--	1.02
Indiana	22.40	5.76	29.60	1.06
Michigan	18.50	5.85	26.80	1.02
Ohio	24.60	5.78	27.85	1.07
Wisconsin	17.89	5.88	27.53	1.03
West North Central	16.71	5.78	--	1.05
Iowa	17.54	5.71	--	1.06
Kansas	17.18	5.75	--	1.05
Minnesota	17.76	5.80	--	1.05
Missouri	17.55	5.79	--	1.03
Nebraska	16.88	--	--	1.07
North Dakota	13.19	5.83	--	1.00
South Dakota	16.44	--	--	1.06
South Atlantic	23.64	6.17	28.54	1.03
Delaware	--	6.34	--	1.04
District of Columbia	--	--	--	--
Florida	23.65	5.80	28.53	1.02
Georgia	20.45	5.89	28.66	1.03
Maryland	24.60	5.81	--	1.04
North Carolina	24.79	5.77	--	1.04
South Carolina	25.12	6.06	--	1.03
Virginia	22.45	6.28	--	1.06
West Virginia	24.58	5.76	--	1.07
East South Central	21.16	5.79	28.37	1.03
Alabama	20.47	5.68	--	1.03
Kentucky	22.13	5.84	28.37	1.02
Mississippi	15.28	--	--	1.03
Tennessee	22.30	5.76	--	1.01
West South Central	15.98	5.87	28.50	1.03
Arkansas	17.62	5.88	--	1.03
Louisiana	15.93	5.86	28.50	1.03
Oklahoma	17.26	5.80	--	1.05
Texas	15.54	5.87	--	1.03
Mountain	18.86	5.78	--	1.05
Arizona	19.16	5.74	--	1.04
Colorado	18.84	5.70	--	1.09
Idaho	--	--	--	1.01
Montana	17.01	5.92	--	--
Nevada	21.85	5.79	--	1.04
New Mexico	18.24	5.66	--	1.04
Utah	21.85	5.88	--	1.04
Wyoming	17.67	5.88	--	1.01
Pacific Contiguous	17.70	6.00	--	1.04
California	23.36	--	--	1.03
Oregon	17.19	--	--	1.04
Washington	17.02	6.00	--	1.07
Pacific Noncontiguous	20.30	6.11	--	1.00
Alaska	--	--	--	1.00
Hawaii	20.30	6.11	--	--
U.S. Total	19.30	6.09	28.47	1.03

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

Table C.2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2012 through 2014

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2012**	**2013**	**2014**
Net Generation			
Coal	0.20%	0.31%	0.25%
Petroleum Liquids	4.25%	4.04%	2.32%
Petroleum Coke	2.45%	0.95%	2.96%
Natural Gas	0.46%	0.98%	0.42%
Other Gases	6.36%	5.81%	4.12%
Hydroelectric	0.70%	0.65%	0.49%
Nuclear	0.00%	0.00%	0.01%
Other	1.08%	0.56%	0.43%
Total	**0.20%**	**0.19%**	**0.08%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.16%	0.07%	0.13%
Petroleum Liquids	4.47%	3.49%	2.17%
Petroleum Coke	3.99%	1.03%	3.19%
Natural Gas	0.37%	0.99%	0.48%
Fuel Stocks for Electric Power Sector			
Coal	0.57%	0.25%	0.38%
Petroleum Liquids	0.64%	2.54%	4.25%
Petroleum Coke	8.22%	0.08%	0.61%
Sales to Ultimate Consumers			
Residential	0.16%	0.26%	0.30%
Commercial	0.39%	0.22%	0.38%
Industrial	0.50%	3.20%	4.39%
Transportation	2.44%	1.45%	0.44%
Total	**0.27%**	**0.90%**	**1.10%**
Revenue			
Residential	0.13%	0.34%	0.43%
Commercial	0.20%	0.47%	0.47%
Industrial	0.20%	4.28%	5.66%
Transportation	1.09%	3.84%	1.92%
Total	**0.13%**	**0.76%**	**1.01%**
Average Price to Ultimate Consumers			
Residential	0.10%	0.12%	0.12%
Commercial	0.27%	0.30%	0.20%
Industrial	0.39%	1.05%	1.20%
Transportation	1.57%	2.49%	2.18%
Total	**0.21%**	**0.17%**	**0.16%**
Receipt of Fossil Fuels			
Coal	0.99%	2.50%	2.20%
Petroleum Liquids	23.68%	0.79%	0.49%
Petroleum Coke	13.72%	2.30%	2.03%
Natural Gas	10.47%	0.47%	0.26%
Cost of Fossil Fuels			
Coal	0.90%	0.18%	0.18%
Petroleum Liquids	0.53%	0.14%	0.04%
Petroleum Coke	11.66%	1.22%	1.03%
Natural Gas	0.77%	0.02%	0.06%

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

Table C.3. Comparison of Preliminary Annual Data Versus Final Annual Data at the U.S. Level, 2012 through 2014

	2012			2013			2014		
Item	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change
Net Generation (Thousand MWh)									
Coal	1,517,203	1,514,043	-0.21%	1,585,998	1,581,115	-0.31%	1,585,697	1,581,710	-0.25%
Petroleum Liquids	13,209	13,403	1.47%	13,410	13,820	3.06%	18,708	18,276	-2.31%
Petroleum Coke	9,691	9,787	0.99%	13,453	13,344	-0.81%	11,781	11,955	1.48%
Natural Gas	1,230,708	1,225,894	-0.39%	1,113,665	1,124,836	1.00%	1,121,928	1,126,609	0.42%
Other Gases	11,212	11,898	6.11%	12,271	12,853	4.75%	11,578	12,022	3.83%
Hydroelectric	271,878	271,290	-0.22%	264,713	263,884	-0.31%	252,540	253,193	0.26%
Nuclear	769,331	769,331	0.00%	789,017	789,016	0.00%	797,067	797,166	0.01%
Other	231,253	232,120	0.37%	265,683	267,096	0.53%	293,636	292,674	-0.33%
Total	**4,054,485**	**4,047,765**	**-0.17%**	**4,058,209**	**4,065,964**	**0.19%**	**4,092,935**	**4,093,606**	**0.02%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	826,700	825,734	-0.12%	860,790	860,729	-0.01%	854,416	853,634	-0.09%
Petroleum Liquids (1,000 barrels)	22,523	22,604	0.36%	22,751	23,231	2.11%	32,084	31,531	-1.72%
Petroleum Coke (1,000 tons)	3,552	3,675	3.44%	4,893	4,852	-0.83%	4,325	4,412	2.02%
Natural Gas (1,000 Mcf)	9,465,207	9,484,710	0.21%	8,512,483	8,596,299	0.98%	8,502,964	8,544,387	0.49%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	184,923	185,116	0.10%	147,973	147,884	-0.06%	151,362	151,548	0.12%
Petroleum Liquids (1,000 barrels)	31,897	32,224	1.03%	31,045	31,673	2.03%	32,139	33,505	4.25%
Petroleum Coke (1,000 tons)	495	495	-0.01%	390	390	-0.01%	847	827	-2.29%
Sales to Ultimate Consumers (Million kWh)									
Residential	1,374,594	1,374,515	-0.01%	1,391,102	1,394,812	0.27%	1,402,911	1,407,208	0.31%
Commercial	1,323,844	1,327,101	0.25%	1,338,464	1,337,079	-0.10%	1,357,505	1,352,158	-0.39%
Industrial	980,837	985,714	0.50%	954,731	985,352	3.21%	955,488	997,576	4.40%
Transportation	7,504	7,320	-2.45%	7,525	7,625	1.32%	7,776	7,758	-0.24%
Total	**3,686,780**	**3,694,650**	**0.21%**	**3,691,822**	**3,724,868**	**0.90%**	**3,723,681**	**3,764,700**	**1.10%**
Revenue (Million Dollars)									
Residential	163,352	163,280	-0.04%	168,547	169,131	0.35%	175,404	176,178	0.44%
Commercial	133,908	133,898	-0.01%	137,779	137,188	-0.43%	145,889	145,253	-0.44%
Industrial	65,691	65,761	0.11%	65,111	67,934	4.33%	67,019	70,855	5.72%
Transportation	754	747	-0.90%	775	805	3.84%	798	810	1.51%
Total	**363,705**	**363,687**	**0.00%**	**372,213**	**375,058**	**0.76%**	**389,111**	**393,096**	**1.02%**
Price to Ultimate Consumers (Cents/kWh)									
Residential	11.88	11.88	-0.04%	12.12	12.13	0.08%	12.50	12.52	0.13%
Commercial	10.12	10.09	-0.25%	10.29	10.26	-0.33%	10.75	10.74	-0.04%
Industrial	6.70	6.67	-0.39%	6.82	6.89	1.09%	7.01	7.10	1.26%
Transportation	10.05	10.21	1.59%	10.30	10.55	2.49%	10.27	10.45	1.75%
Total	**9.87**	**9.84**	**-0.22%**	**10.08**	**10.07**	**-0.13%**	**10.45**	**10.44**	**-0.08%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	849,667	841,183	-1.00%	803,206	823,222	2.49%	836,196	854,560	2.20%
Petroleum Liquids (1,000 barrels)	25,485	19,464	-23.63%	20,348	20,413	0.32%	28,355	28,514	0.56%
Petroleum Coke (1,000 tons)	4,858	4,180	-13.95%	4,555	4,660	2.31%	5,091	5,195	2.03%
Natural Gas (1,000 Mcf)	10,631,822	9,531,389	-10.35%	8,463,303	8,503,424	0.47%	8,423,883	8,431,423	0.09%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.40	2.38	-0.89%	2.35	2.34	-0.12%	2.37	2.37	0.02%
Petroleum Liquids (1,000 barrels)	21.82	21.85	0.12%	20.59	20.56	-0.12%	19.89	19.89	-0.03%
Petroleum Coke (1,000 tons)	2.54	2.24	-11.90%	2.16	2.17	0.70%	1.96	1.98	0.97%
Natural Gas (1,000 Mcf)	3.40	3.42	0.64%	4.33	4.33	0.03%	4.99	4.99	0.01%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-year values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.
Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2014 are Final.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report';
Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report';
and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.4. Unit of Measure Equivalents for Electricity

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

Source: U.S. Energy Information Administration

Glossary

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

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

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

Average Price of Electricity to Ultimate Consumers (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 ultimate 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 an ultimate consumer.

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: Sales services for ultimate consumers for which the company provided only the energy consumed, where another entity provides delivery services.

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

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

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

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

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

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

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

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

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

Geothermal: Pertaining to heat within the Earth.

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

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

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

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

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

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

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

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

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

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

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

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

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

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

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

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

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

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

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

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts of electricity.

Megawatthour (MWh): One million watthours.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Petroleum coke: See Coke (petroleum).

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

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

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

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

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

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

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

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

Receipts: Purchases of fuel.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Terrawatt: One trillion watts.

Terrawatthour: One trillion kilowatthours.

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

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

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

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

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

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

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

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

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

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

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