



Control Number: 51381



Item Number: 46

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PUC DOCKET NO. 51381



**APPLICATION OF ENTERGY TEXAS,
INC. TO ESTABLISH A GENERATION
COST RECOVERY RIDER RELATED
TO THE MONTGOMERY COUNTY
POWER STATION**

**PUBLIC UTILITY COMMISSION
OF TEXAS**

**WORKPAPERS
TO THE
DIRECT TESTIMONY
OF
KARL J. NALEPA**

**ON BEHALF OF
CITIES SERVED BY APPLICANT**

DECEMBER 7, 2020

76

**WORKPAPERS TO THE DIRECT TESTIMONY OF
KARL J. NALEPA**

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ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 51381

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Texas Industrial Energy
Consumers

Prepared By: Joshua Paternostro
Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. TH5

Ending Sequence No. TH6

Question No.: TIEC 1-4

Part No.:

Addendum:

Question:

Please state in detail how each of the components of MCPS invested capital (*i.e.*, plant in service, accumulated depreciation, ADIT) in the GCRR will change as a result of:

- a. The sale of 7.55% of MCPS to ETEC.
- b. The 60-day update of the GCRR to reflect the in-service cost of MCPS.

Response:

- a. Based on current estimates and a sale close date of April 15, 2021, the sale of 7.55% of MCPS to ETEC will reduce the components of MCPS invested capital by a total of approximately \$61.1M as shown in the table below:

	MCPS Invested Capital	7.55% of MCPS Invested Capital	MCPS Invested Capital net of 7.55% sale to ETEC
Original Plant In Service	812,632,617	61,353,763	751,278,854
(Accumulated Depreciation)	(5,555,233)	(419,420)	(5,135,813)
Net Plant In Service	807,077,384	60,934,342	746,143,041
Accumulated Deferred Income Taxes	(5,117,161)	(386,346)	(4,730,816)
Net PGFIC	801,960,222	60,547,997	741,412,225

- b. The 60-day update of the GCRR will reflect the amounts recorded to plant in service, accumulated depreciation and ADIT as of the in-service date for MCPS. The change to each of the components of MCPS invested capital to be included in the update will depend on (1) the timing of when the unit is placed into service and (2) the actual cost closed to plant in service at the time the unit is placed into service. Assuming the in service

Question No.: TIEC 1-4

date for MCPS is January 1, 2021, the estimated change to each of the components of invested capital is shown below. Because depreciation of MCPS will begin in the month following the month it is placed in service there is no accumulated depreciation as of January 1, 2021.

	MCPS Invested Capital	Estimated amount to be included in the 60 Day Update	Estimated Change
Original Plant In Service	689,569,946	812,632,617	123,062,671
(Accumulated Depreciation)	-	-	-
Net Plant In Service	689,569,946	812,632,617	123,062,671
Accumulated Deferred Income Taxes	(3,675,312)	(4,977,417)	(1,302,104)
Net PGFIC	685,894,634	807,655,200	121,760,567

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 51381

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: CITIES

Prepared By: Counsel
Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. TH13
Ending Sequence No. TH13

Question No.: CITIES 1-6

Part No.:

Addendum:

Question:

Refer to the Direct Testimony of Allison P. Lofton at 10-11. Section 25.248(d)(2) of the GCRR excludes estimated costs from the GCRR. Please explain why using an "assumed" useful life for the MCPS is not the same as using an estimated useful life.

Response:

ETI has not asserted there is a difference between an "assumed" useful life and an "estimated" useful life. The referenced portion of the GCRR Rule prohibits estimated costs (i.e., estimated invested capital), not useful lives. As a practical matter, it can never be known with certainty how long a resource's useful life will ultimately prove to be. A value for that useful life must be assumed/estimated in order to develop a depreciation rate and revenue requirement associated with the resource at issue. Please see the referenced portion of Ms. Lofton's testimony for the basis of ETI's assumption regarding the expected useful life of MCPS.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 51381

Response of: Entergy Texas, Inc.
to the Second Set of Data Requests
of Requesting Party: Texas Industrial Energy
Consumers

Prepared By: Counsel
Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. TH7

Ending Sequence No. TH8

Question No.: TIEC 2-3

Part No.:

Addendum:

Question:

Please provide a list of all CCGTs placed into service by Entergy affiliates, including non-regulated affiliates, over the last five years or will be placed into service by the end of 2021, and state for each unit the useful life assumed for depreciation purposes.

Response: Please see the below information.

OpCo	CCGT Facility	Total Depreciable Life
ENO	Union	40 Years
EMI	Choctaw	38.5 Years
EAL	Union	30.5 Years
ELL	Union Blocks 3, 4	44.66 Years
	JWLPS	32.05 Years
	LCPS	32.05 Years

In Docket No. UD-18-07, the City Council of New Orleans issued Resolution No. R-19-457 pursuant to which Entergy New Orleans, LLC is currently depreciating Union Power Block 1 over a total life of 40 years.

On October 1, 2019, in Docket No. 2018-UA-204, the Mississippi Public Service Commission issued an order approving Entergy Mississippi, LCC's acquisition of the Choctaw facility. The MCPS Staff and EML entered into a settlement agreement under which the parties agreed upon an interim depreciation rate for the facility equating to a total depreciable life of 38.5 years. EML reserved the right to propose a different depreciation rate in a future proceeding.

Question No.: TIEC 2-3

On November 30, 2015, in Docket No. 14-118-U, the Arkansas Public Service Commission issued an order approving Entergy Arkansas, LLC's acquisition of Union Power Station Power Block 2, which approved EAL's proposed depreciation rate equating to a total depreciable life for the facility of roughly 30.5 years.

On November 5, 2015, in Docket No. 33510, the Louisiana Public Service Commission issued an order approving Entergy Louisiana, LLC's acquisition of Union Power Station Power Blocks 3 and 4. The order approved an uncontested settlement pursuant to which ELL agreed to a depreciation rate for the facilities equating to total depreciable lives of roughly 44 years, 8 months.

On July 20, 2017, in Docket No. U-34283, the Louisiana Public Service Commission issued an order approving the construction of the Lake Charles Power Station. The order approved an unopposed settlement pursuant to which ELL agreed to a depreciation rate for the facility equating to a total depreciable life for the facility of 32.05 years.

On December 14, 2016, in Docket No. U-33770, the Louisiana Public Service Commission issued an order approving the construction of the J. Wayne Leonard Power Stations (then, the "St. Charles Power Station"), which approved a depreciation rate equating to a total depreciable life for the facility of roughly 32.05 years.



Independent Statistics & Analysis

U.S. Energy Information
Administration

Electric Power Monthly with Data for September 2020

November 2020

This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies

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

Preface

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

Background

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

Data sources

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

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Executive Summary

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Table LS1 A Total Electric Power Industry Summary Statistics, 2020 and 2019

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 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
Net Generation (Thousand Megawatt-hours)														
Coal	Utility Scale Facilities	68,396	85,707	-20.2%	53,208	64,955	14,718	20,261	24	21	446	470	0	0
Petroleum Liquids	Utility Scale Facilities	795	931	-14.7%	616	702	144	186	8	10	26	34	0	0
Petroleum Coke	Utility Scale Facilities	457	581	-21.3%	289	460	123	77	0	0	45	44	0	0
Natural Gas	Utility Scale Facilities	141,407	149,688	-5.5%	68,236	74,902	64,858	65,571	710	731	7,602	8,493	0	0
Other Gas	Utility Scale Facilities	947	1,112	-14.8%	0	10	297	332	0	0	650	770	0	0
Nuclear	Utility Scale Facilities	65,727	66,064	0.5%	36,043	34,770	29,684	31,294	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	19,182	18,576	3.3%	17,529	17,045	1,568	1,416	13	12	73	52	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	36,774	37,373	-1.6%	5,191	4,755	29,099	30,114	271	285	2,213	2,219	0	0
Wind	Utility Scale Facilities	23,176	24,448	-5.2%	4,060	3,706	19,030	20,723	12	14	74	5	0	0
Solar Thermal and Photovoltaic	Utility Scale Facilities	7,757	6,817	13.8%	835	641	6,855	6,112	56	55	11	8	0	0
Wood and Wood-Derived Fuels	Utility Scale Facilities	2,938	3,211	-8.5%	124	241	724	804	7	8	2,084	2,157	0	0
Other Biomass	Utility Scale Facilities	1,512	1,530	-1.1%	102	92	1,205	1,211	162	179	44	48	0	0
Geothermal	Utility Scale Facilities	1,390	1,368	1.7%	71	74	1,286	1,264	34	30	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-525	671	-21.8%	438	583	-87	-88	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	1,007	1,142	-11.8%	30	59	565	590	84	91	327	402	0	0
All Energy Sources	Utility Scale Facilities	334,167	360,457	-7.3%	180,704	197,075	140,970	149,753	1,110	1,150	11,382	12,474	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	3,756	3,205	17.2%	0	0	0	0	1,182	994	324	281	2,250	1,930
Estimated Total Solar Photovoltaic	All Facilities	11,244	9,778	15.6%	834	639	6,587	5,821	1,238	1,049	335	289	2,250	1,930
Estimated Total Solar	All Facilities	11,514	10,022	14.9%	835	641	6,855	6,112	1,238	1,049	335	289	2,250	1,930
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	38,701	47,188	-18.0%	29,619	35,453	8,927	11,554	7	6	149	175	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,411	1,669	-15.5%	1,129	1,305	233	302	23	27	27	35	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	159	231	-31.2%	116	183	31	33	0	0	13	15	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,058,029	1,100,866	-4.6%	536,040	572,573	469,587	478,814	4,484	4,824	47,918	52,654	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	848	914	-7.3%	132	168	55	73	34	34	626	640	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	121	138	-12.0%	3	5	16	20	23	28	80	86	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	69	79	-12.1%	1	2	9	7	0	0	60	69	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	97,782	97,399	0.1%	3,673	3,767	28,066	25,526	6,124	6,377	59,469	61,734	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	39,549	48,107	-17.8%	29,751	35,621	8,992	11,628	41	40	775	814	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,532	1,807	-15.2%	1,132	1,310	249	321	45	54	106	121	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	228	310	-26.3%	117	185	40	40	0	0	72	84	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,155,312	1,206,264	-4.2%	539,663	576,335	497,654	504,340	10,608	11,201	107,387	114,389	0	0
Fuel Stocks (end of month)														
Coal (1000 tons)	Utility Scale Facilities	129,582	111,508	16.2%	103,184	89,630	25,918	20,995	58	91	422	792	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	27,432	27,399	0.1%	15,789	16,352	9,955	9,096	389	415	1,300	1,536	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	524	474	10.5%	W	281	W	11	W	1	W	181	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for September								
Sector	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)	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	Percentage Change	September 2020	September 2019
Residential	127,584	131,567	-3.0%	17,284	17,317	-0.2%	13.55	13.16
Commercial	112,214	122,059	-8.1%	12,423	13,379	-7.1%	11.07	10.96
Industrial	77,505	86,160	-10.0%	5,432	6,085	-10.7%	7.01	7.06
Transportation	494	677	-27.0%	51	66	-22.3%	10.41	9.78
All Sectors	317,796	340,463	-6.7%	35,191	36,847	-4.5%	11.07	10.82

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.

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Table ES1 B Total Electric Power Industry Summary Statistics, Year-to-Date 2020 and 2019

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 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
Net Generation (Thousand Megawatt-hours)														
Coal	Utility Scale Facilities	573,646	750,049	23.5%	436,912	564,568	132,501	180,747	173	197	4,060	4,543	0	0
Petroleum Liquids	Utility Scale Facilities	7,337	8,766	16.3%	5,640	6,316	1,367	2,042	70	88	261	321	0	0
Petroleum Coke	Utility Scale Facilities	6,004	5,822	3.1%	4,565	4,400	1,009	973	2	4	428	446	0	0
Natural Gas	Utility Scale Facilities	1,250,796	1,205,042	3.8%	627,951	601,188	548,635	523,062	6,198	6,542	72,512	74,250	0	0
Other Gas	Utility Scale Facilities	8,359	9,513	12.1%	47	132	2,170	3,036	0	0	6,143	6,346	0	0
Nuclear	Utility Scale Facilities	598,925	610,178	1.8%	326,711	325,598	272,214	284,580	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	228,058	227,872	0.1%	208,677	207,942	18,425	18,966	163	152	794	813	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	368,677	329,259	12.0%	48,374	39,980	297,431	266,185	2,606	2,602	20,267	20,492	0	0
Wind	Utility Scale Facilities	242,142	215,848	12.2%	37,172	30,872	204,519	184,776	138	128	313	72	0	0
Solar Thermal and Photovoltaic	Utility Scale Facilities	71,660	58,026	23.5%	7,920	5,351	63,101	52,127	545	479	94	70	0	0
Wood and Wood Derived Fuels	Utility Scale Facilities	28,100	28,989	-3.1%	1,707	2,197	6,993	6,907	64	72	19,336	19,813	0	0
Other Biomass	Utility Scale Facilities	14,204	14,231	0.2%	925	928	11,227	11,162	1,533	1,605	524	537	0	0
Geothermal	Utility Scale Facilities	12,571	12,165	3.3%	650	632	11,595	11,214	326	319	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-4,161	3,850	8.1%	3,411	-3,055	-750	-795	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	9,491	10,019	-5.3%	340	380	5,279	5,385	780	815	3,093	3,439	0	0
All Energy Sources	Utility Scale Facilities	3,046,634	3,152,671	-3.4%	1,650,806	1,747,449	1,278,279	1,284,174	9,992	10,399	107,557	110,649	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	33,208	27,851	19.2%	0	0	0	0	10,384	8,780	2,782	2,409	20,042	16,661
Estimated Total Solar Photovoltaic	All Facilities	102,096	83,168	22.8%	7,892	5,326	60,357	49,444	10,928	9,259	2,876	2,479	20,042	16,661
Estimated Total Solar	All Facilities	104,868	85,877	22.1%	7,920	5,351	63,101	52,127	10,928	9,259	2,876	2,479	20,042	16,661
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	323,871	417,818	22.5%	243,963	312,170	78,478	103,940	51	57	1,379	1,651	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	13,463	15,685	14.2%	10,635	11,757	2,384	3,410	176	182	269	336	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	2,292	2,315	-1.0%	1,839	1,765	333	414	1	1	119	134	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	9,224,896	8,850,257	4.2%	4,771,730	4,587,324	3,962,118	3,762,841	39,080	42,252	451,968	457,840	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	7,942	9,321	14.6%	1,208	1,531	523	928	289	331	5,922	6,531	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,101	1,617	31.9%	34	57	118	174	198	340	751	1,046	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	541	647	16.3%	16	12	73	72	3	5	449	557	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	914,199	892,872	2.4%	35,439	32,241	253,204	237,819	58,138	59,449	567,418	563,363	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	331,813	427,138	22.3%	245,171	313,701	79,001	104,868	340	388	7,302	8,182	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	14,564	17,302	15.8%	10,669	11,814	2,502	3,583	374	522	1,020	1,382	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	2,833	2,967	-4.3%	1,855	1,778	406	487	4	7	568	691	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	10,139,095	9,743,129	4.1%	4,807,170	4,619,566	4,215,322	4,000,660	97,218	101,700	1,019,386	1,021,203	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through September									
Total U.S. Electric Power Industry									
Sector	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)		
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	Percentage Change
Residential	1,127,767	1,108,761	1.7%	148,687	144,899	2.6%	13.19	13.07	0.9%
Commercial	966,663	1,034,730	6.6%	103,045	110,878	7.1%	10.66	10.77	-0.6%
Industrial	688,025	758,237	9.3%	46,140	52,053	-11.4%	6.71	6.86	-2.2%
Transportation	4,860	5,826	16.6%	480	565	-15.1%	9.87	9.70	1.8%
All Sectors	2,787,315	2,907,555	4.1%	298,361	308,395	-3.3%	10.70	10.61	0.8%

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

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Table ES2 A Summary Statistics Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2020 and 2019

Total (All Sectors)											
Fuel	Receipts			Cost			Year-to-Date				
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		Receipts		Cost		
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2019
Coal (1000 tons)	37,819	46,816	37.06	37.47	212	250	321,890	424,743	36.35	39.22	
Petroleum Liquids (1000 barrels)	805	1,376	57.89	76.68	86	158	8,828	10,938	58.19	82.47	
Petroleum Coke (1000 tons)	140	131	W	48.38	5	5	1,880	1,470	44.45	59.93	
Natural Gas (1000 Mcf)	971,129	1,110,680	2.50	2.68	577	818	8,540,112	8,919,230	2.33	3.02	

Electric Utilities											
Fuel	Receipts			Cost			Year-to-Date				
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		Receipts		Cost		
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2019
Coal (1000 tons)	28,659	35,149	38.40	38.79	152	173	240,585	314,514	37.43	40.59	
Petroleum Liquids (1000 barrels)	557	1,119	59.10	75.70	55	107	6,405	8,292	59.28	81.53	
Petroleum Coke (1000 tons)	119	105	54.59	48.71	4	4	1,816	1,420	44.36	60.39	
Natural Gas (1000 Mcf)	466,204	559,208	2.80	2.84	298	437	4,208,852	4,482,932	2.56	3.15	

Independent Power Producers											
Fuel	Receipts			Cost			Year-to-Date				
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		Receipts		Cost		
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2019
Coal (1000 tons)	8,684	11,127	32.03	32.61	47	60	76,646	104,978	32.11	34.45	
Petroleum Liquids (1000 barrels)	221	232	54.91	81.01	22	44	2,210	2,438	54.39	85.83	
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--	
Natural Gas (1000 Mcf)	444,246	486,741	2.09	2.47	234	334	3,753,863	3,840,704	2.03	2.84	

Commercial Sector											
Fuel	Receipts			Cost			Year-to-Date				
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		Receipts		Cost		
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2019
Coal (1000 tons)	0	0	--	--	0	0	4	5	67.52	65.77	
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--	
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--	
Natural Gas (1000 Mcf)	748	717	W	3.28	3	3	6,102	6,838	3.21	3.38	

Industrial Sector											
Fuel	Receipts			Cost			Year-to-Date				
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		Receipts		Cost		
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2019
Coal (1000 tons)	477	539	47.69	51.28	13	17	4,656	5,246	50.42	52.36	
Petroleum Liquids (1000 barrels)	27	25	57.45	80.17	9	7	213	207	64.50	80.62	
Petroleum Coke (1000 tons)	21	26	W	47.00	1	1	65	50	46.80	46.99	
Natural Gas (1000 Mcf)	59,931	64,014	W	2.65	42	44	571,296	588,755	2.15	2.98	

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

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Table I S2 B Summary Statistics Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2020 and 2019

Total (All Sectors)										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
Coal	720,964	895,606	1.94	1.96	212	250	6,092,785	8,163,171	1.92	2.04
Petroleum Liquids	4,835	8,345	9.64	12.64	86	158	52,965	65,908	9.70	13.69
Petroleum Coke	3,876	3,777	W	1.67	5	5	53,214	42,040	1.57	2.10
Natural Gas	1,002,511	1,148,917	2.42	2.59	577	618	8,818,743	9,222,413	2.25	2.92
Fossil Fuels	1,732,185	2,056,645	2.23	2.34	702	972	15,017,706	17,493,531	2.13	2.53

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
Coal	550,242	676,927	2.00	2.01	152	173	4,592,607	6,068,947	1.96	2.10
Petroleum Liquids	3,382	6,831	9.74	12.41	55	107	38,686	50,236	9.81	13.46
Petroleum Coke	3,305	3,034	1.97	1.68	4	4	51,463	40,639	1.57	2.11
Natural Gas	481,087	577,988	2.72	2.75	298	437	4,342,999	4,633,484	2.48	3.05
Fossil Fuels	1,038,015	1,264,780	2.36	2.40	385	545	9,025,655	10,793,305	2.24	2.56

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
Coal	161,112	207,547	1.72	1.75	47	60	1,404,680	1,985,580	1.75	1.82
Petroleum Liquids	1,287	1,361	9.42	13.79	22	44	12,968	14,401	9.27	14.53
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	459,037	504,061	2.02	2.30	234	334	3,881,728	3,975,196	1.96	2.75
Fossil Fuels	621,436	712,969	1.94	2.19	269	377	5,299,376	5,975,176	1.92	2.43

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
Coal	0	0	--	--	0	0	84	119	2.96	2.90
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	780	747	W	3.15	3	3	6,360	7,098	3.07	3.26
Fossil Fuels	780	747	2.98	3.15	3	3	6,444	7,207	3.07	3.26

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
Coal	9,611	11,131	2.37	2.48	13	17	95,414	108,526	2.46	2.53
Petroleum Liquids	166	154	9.38	13.15	9	7	1,310	1,271	10.49	13.14
Petroleum Coke	571	743	W	1.63	1	1	1,751	1,401	1.73	1.68
Natural Gas	61,606	66,121	W	2.56	42	44	587,756	606,645	2.09	2.89
Fossil Fuels	71,954	78,149	2.51	2.57	45	47	686,241	717,842	2.16	2.85

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

Chapter 1

Net Generation

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Table 1.1 Net Generation by Energy Source Total (All Sectors) 2010 September 2020
(Thousand Megawatt-hours)

Period	Generation at Utility Scale Facilities										Small Scale Generation	Net Generation From Utility and Small Scale Facilities	
	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals													
2010	1 847 290	23 337	13 724	987 897	11 313	806 969	260 703	1 712	165 961	5 201	12 855	4 125 060	N/A
2011	1 733 430	16 096	14 066	1 013 689	11 566	790 204	319 355	1 818	192 163	6 421	14 154	4 100 141	N/A
2012	1 514 043	13 403	9 787	1 225 694	11 898	769 331	276 240	4 327	214 006	4 950	13 787	4 041 785	N/A
2013	1 581 115	13 820	13 344	1 124 836	12 653	789 016	268 565	9 036	244 472	4 681	13 588	4 065 864	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	11 233
2015	1 352 380	17 372	10 877	1 333 462	13 117	797 178	249 080	24 893	270 288	5 091	14 028	4 077 601	14 139
2016	1 239 149	13 008	11 197	1 378 307	12 807	805 694	267 812	36 054	305 578	6 686	13 754	4 016 675	18 817
2017	1 205 835	12 414	8 976	1 295 445	12 406	804 959	300 335	53 787	332 983	6 495	13 098	4 031 271	23 990
2018	1 149 467	16 245	8 981	1 469 133	13 463	807 094	292 524	63 625	350 467	5 905	12 973	4 178 271	29 535
2019	964 957	11 619	6 819	1 585 717	12 591	809 409	287 674	71 937	367 899	5 261	13 334	4 126 887	34 957
Year 2018													
January	119 284	5 555	965	110 793	1 097	74 649	25 064	3 319	32 443	547	1 109	373 230	1 619
February	82 050	804	754	98 512	1 092	64 790	24 902	3 896	29 415	315	994	306 894	1 766
March	80 626	830	642	106 524	1 159	67 033	25 861	5 056	33 200	490	1 108	371 547	2 454
April	73 342	873	666	99 371	1 090	59 133	28 115	6 051	32 446	377	1 029	300 146	2 140
May	85 227	1 040	817	115 284	1 167	67 320	30 444	6 849	30 419	390	1 070	338 948	3 011
June	101 503	1 066	834	130 826	1 091	69 688	27 597	7 415	31 193	433	1 104	371 806	3 058
July	115 370	988	913	164 749	1 177	72 456	25 100	6 755	23 316	644	1 111	411 290	3 146
August	115 129	1 047	878	161 676	1 301	72 282	27 017	6 655	26 601	747	1 146	408 028	3 017
Sept	96 544	1 055	799	141 786	1 104	64 725	19 166	5 961	24 718	603	1 004	356 258	2 674
October	87 265	1 015	662	121 162	1 108	68 567	18 448	4 910	27 426	489	1 064	374 832	2 362
November	97 810	1 006	656	108 168	1 045	63 954	21 513	3 743	26 334	343	1 075	322 369	1 905
December	100 319	866	795	109 802	1 120	71 657	22 797	3 110	30 956	522	1 139	342 139	1 775
Year 2019													
January	100 905	1 420	800	121 582	1 075	74 701	24 798	3 680	30 770	323	1 194	359 457	1 903
February	79 979	822	692	112 135	948	64 715	22 881	3 836	28 379	389	1 003	314 951	2 059
March	78 352	827	574	115 806	1 086	65 069	26 334	5 899	31 941	409	1 080	326 568	2 914
April	59 922	789	401	104 053	910	60 581	27 620	6 762	34 423	103	1 015	298 602	3 245
May	71 085	947	737	117 053	1 054	67 124	31 054	7 162	31 651	368	1 117	310 343	3 549
June	78 540	966	563	137 878	1 009	68 805	28 078	7 971	28 453	385	1 101	352 928	3 604
July	100 771	1 009	791	171 942	1 185	72 199	24 875	8 133	28 534	627	1 157	409 973	3 760
August	94 040	1 054	684	174 955	1 147	71 911	27 579	7 877	26 518	579	1 211	401 197	3 611
Sept	85 707	931	581	149 688	1 112	66 064	18 526	6 817	30 556	671	1 142	360 452	3 205
October	66 777	951	202	130 941	924	62 033	18 306	6 093	33 298	373	1 109	320 250	2 833
November	75 549	907	333	117 904	1 047	64 123	20 218	4 364	30 688	909	1 082	315 708	2 328
December	72 581	996	463	131 830	1 107	73 074	21 478	3 453	32 607	529	1 133	338 253	2 047
Year 2020													
January	65 100	964	662	133 154	1 104	74 170	25 425	4 690	34 431	377	1 085	340 408	2 314
February	56 101	766	500	125 554	1 173	65 950	26 393	5 717	35 075	247	961	317 853	2 677
March	50 643	715	684	123 054	1 009	63 997	21 423	6 434	35 599	357	1 083	306 887	3 435
April	40 591	636	591	107 929	747	58 176	21 857	8 048	35 350	225	1 067	275 763	3 629
May	46 529	707	587	113 855	806	64 328	30 549	9 134	34 338	367	1 089	304 167	4 277
June	65 274	865	808	143 180	756	67 205	29 138	9 529	35 694	499	1 016	352 967	4 268
July	89 845	963	907	185 433	854	69 385	27 753	10 379	28 686	685	1 089	414 610	4 442
August	91 165	926	809	174 130	1 002	68 982	24 228	9 370	29 889	784	1 096	399 812	4 240
Sept	68 395	795	457	141 407	947	65 727	19 182	7 757	29 017	525	1 007	334 167	3 756
Year to Date													
2018	869 087	13 259	8 968	1 128 021	10 261	812 078	278 299	52 093	263 350	4 548	9 675	3 188 838	23 483
2019	750 040	8 766	5 822	1 205 042	9 513	810 178	227 872	58 026	271 233	3 850	10 019	3 157 671	27 851
2020	573 646	7 337	6 004	1 250 296	8 359	598 925	228 058	71 660	297 077	4 161	9 491	3 046 634	33 708
Rolling 12 Months Ending In September													
2019	1 030 450	11 752	7 835	1 546 154	12 695	805 186	292 130	69 848	357 950	5 207	13 317	4 142 111	33 923
2020	788 553	10 181	7 001	1 630 971	11 437	798 157	288 060	85 570	393 670	5 572	12 807	4 020 845	40 315

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.

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, two derived fuel and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non biogenic municipal solid waste and two 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 2019 and prior years are final. Values for 2020 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; and predecessor forms.

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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA 861M, Form EIA 861 and from estimation methods described in the technical notes.

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Table 1.1 A. Net Generation from Renewable Sources: Total (All Sectors), 2010-September 2020
(Thousand Megawatthours)

Generation at Utility Scale Facilities											Small Scale Generation	Generation From Utility and Small Scale Facilities	
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 Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
Annual Totals													
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	15,567	276,240	494,573	N/A	N/A	N/A
2013	167,840	8,121	915	40,028	10,658	7,186	2,886	15,775	268,555	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	11,233	26,482	26,824
2015	190,719	21,686	3,227	41,828	11,329	7,211	3,301	15,818	249,080	544,241	14,139	35,026	39,032
2016	226,993	32,670	3,384	40,947	11,218	7,265	3,331	15,826	267,812	609,445	18,812	51,483	54,866
2017	254,303	50,018	3,269	41,124	11,543	6,951	3,115	15,927	300,333	686,583	23,890	74,008	77,277
2018	272,667	60,234	3,592	40,936	11,036	7,136	2,724	15,967	282,524	706,816	29,539	89,773	93,365
2019	294,906	68,719	3,218	38,543	10,468	6,063	2,402	15,473	287,874	727,697	34,957	103,676	106,894
Year 2018													
January	25,599	3,191	128	3,686	964	588	265	1,341	25,064	60,826	1,619	4,810	4,938
February	23,189	3,705	191	3,235	906	559	251	1,274	24,909	58,713	1,766	5,472	5,663
March	26,464	4,799	258	3,547	972	597	253	1,367	25,851	64,117	2,434	7,233	7,490
April	26,431	5,743	314	3,102	920	566	239	1,188	28,115	66,618	2,740	8,482	8,796
May	23,953	6,419	430	3,352	930	573	228	1,383	30,444	67,712	3,011	9,430	9,660
June	24,703	6,898	517	3,471	889	629	207	1,300	27,597	66,206	3,059	9,957	10,474
July	16,447	6,374	380	3,749	909	638	202	1,370	25,100	55,170	3,146	9,571	9,901
August	19,846	6,286	409	3,630	919	630	208	1,367	22,071	55,313	3,017	9,303	9,712
Sept	18,520	5,531	430	3,281	836	562	192	1,328	19,166	49,844	2,674	8,705	8,635
October	21,194	4,695	275	3,216	918	594	231	1,273	19,548	51,944	2,392	7,087	7,361
November	22,016	3,575	168	3,264	920	584	220	1,331	21,913	53,990	1,905	5,480	5,648
December	24,306	3,018	92	3,404	951	616	233	1,446	22,797	56,863	1,775	4,792	4,885
Year 2019													
January	24,248	3,470	111	3,465	930	528	214	1,390	24,798	59,154	1,903	5,373	5,485
February	22,547	3,704	131	3,042	843	464	191	1,293	22,881	55,085	2,059	5,763	5,895
March	25,677	5,639	260	3,217	908	490	227	1,427	26,334	64,174	2,874	8,553	8,813
April	26,894	6,427	325	2,807	833	460	228	1,554	27,820	68,997	3,245	9,872	9,997
May	25,695	6,695	336	3,051	859	526	179	1,342	31,582	70,795	3,549	10,375	10,711
June	27,385	7,532	439	3,158	868	573	191	1,328	28,078	64,502	3,604	11,136	11,575
July	22,043	7,733	400	3,498	884	538	194	1,375	24,875	61,542	3,760	11,493	11,893
August	19,951	7,464	413	3,539	886	546	204	1,383	22,579	56,974	3,611	11,075	11,488
Sept	24,448	6,573	294	3,211	838	512	179	1,368	18,526	55,899	3,205	9,778	10,022
October	27,521	5,796	298	3,063	868	500	206	1,141	18,306	57,698	2,833	8,678	8,976
November	25,042	4,223	141	3,137	844	484	198	984	20,218	55,269	2,228	6,450	6,592
December	26,496	3,383	70	3,355	908	513	213	1,183	21,478	57,588	2,047	5,430	5,500
Year 2020													
January	26,149	4,575	116	3,345	935	521	216	1,265	25,425	64,546	2,314	6,888	7,004
February	20,062	5,523	194	3,145	855	464	196	1,274	26,393	67,135	2,627	8,150	8,344
March	26,704	6,223	211	3,196	940	535	207	1,517	23,423	65,456	3,435	9,659	9,869
April	26,336	7,714	335	2,970	901	504	189	1,460	21,951	65,355	3,929	11,543	11,878
May	28,163	9,288	446	3,099	913	518	186	1,448	30,599	74,672	4,277	13,565	14,011
June	29,872	9,130	400	2,993	916	475	168	1,369	29,138	74,361	4,288	13,418	13,817
July	27,579	9,934	445	3,112	863	528	174	1,431	27,753	66,818	4,442	14,376	14,821
August	22,571	9,013	356	3,302	878	537	174	1,426	24,228	62,486	4,240	13,254	13,610
Sept	23,176	7,488	270	2,938	847	492	173	1,390	19,182	55,956	3,755	11,744	11,514
Year to Date													
2018	205,152	48,946	3,067	31,053	8,247	5,342	2,040	11,917	228,266	544,019	23,467	72,414	75,471
2019	215,848	55,318	2,709	28,989	7,849	4,597	1,786	12,165	227,872	557,132	27,851	83,168	85,877
2020	242,142	68,898	2,772	28,100	7,948	4,573	1,684	12,511	228,058	586,736	33,208	102,096	104,888
Rolling 12 Months Ending In September													
2019	283,364	66,605	3,243	38,872	10,638	6,390	2,470	16,215	292,130	719,978	33,923	100,527	103,771
2020	371,200	82,289	3,281	37,655	10,568	6,069	2,300	15,878	288,060	767,301	40,315	122,604	125,885

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 2019 and prior years are final. Values for 2020 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, Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA 861M, Form EIA 861 and from estimation methods described in the technical notes.

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Table 1.2 A. Net Generation by Energy Source – Electric Utilities, 2010 September 20/0
(Thousand Megawatt-hours)

Generation at Utility Scale Facilities												
	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
Period												
Annual Totals												
2010	1 376 028	17 258	8 807	397 616	52	424,843	236 104	101	17 820	4 466	467	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	9 897	5 664	504 958	0	394 823	257 936	639	27 378	4 202	603	2 339 172
2013	1 189 452	9 446	9 522	501 427	798	406 114	243 040	943	31 474	-3 773	615	2 386 056
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
2015	998 385	10 386	8 278	617 617	199	416 680	229 640	1 494	35 597	-1 105	558	2 315 323
2016	972 399	9 069	8 881	654 780	154	424 400	247 787	1 995	40 666	-5 679	421	2 304 923
2017	893 639	8 567	6 711	623 834	149	474 485	275 677	3 348	42 763	-5 488	553	2 274 739
2018	863 505	10 108	6 817	720 206	151	424 251	267 336	4 916	44 184	4 165	561	2 327 250
2019	772 885	8 410	5 112	784 929	154	430 672	262 364	6 785	47 427	-4 261	551	2 205 028
Year 2018												
January	68 718	2 491	770	55 797	20	39 366	23 106	788	4 399	475	41	214 525
February	61 138	617	575	48 715	17	33 941	22 864	314	3 853	226	38	171 847
March	58 606	595	491	52 167	16	35 262	23 638	446	4 276	408	48	175 132
April	55 281	632	477	48 151	78	30 560	25 598	480	4 120	255	39	165 093
May	64 034	745	336	58 251	11	34 478	28 055	463	3 427	309	45	189 530
June	77 899	756	670	66 774	13	36 437	25 778	503	3 691	339	50	212 232
July	88 102	668	716	81 297	15	38 293	23 303	477	2 824	522	55	235 229
August	87 359	711	680	78 025	24	38 885	20 050	476	3 127	626	56	228 767
Sept	73 021	781	639	68 655	3	34 377	17 368	436	3 288	500	47	198 116
October	64 902	751	378	59 071	0	31 364	17 571	418	3 447	405	43	177 541
November	68 864	703	477	51 784	0	33 043	18 630	325	3 631	254	50	178 265
December	75 578	657	601	51 512	0	38 223	20 373	290	4 105	426	49	180 963
Year 2019												
January	74 950	892	634	59 214	17	39 806	22 391	379	3 918	247	42	201 990
February	59 507	587	564	55 546	22	34 243	20 610	403	3 357	310	30	174 559
March	56 482	627	464	57 136	31	34 213	23 830	598	4 253	309	31	177 366
April	54 238	552	276	51 670	0	37 063	25 266	607	4 747	26	35	159 417
May	55 130	696	552	59 597	0	34 418	29 266	489	3 915	309	41	185 055
June	60 199	732	398	70 452	23	36 847	25 767	662	3 588	299	39	198 408
July	77 085	719	551	84 998	18	39 023	22 846	673	3 572	-505	36	279 016
August	72 032	809	501	87 732	16	39 218	20 913	640	3 106	470	66	274 562
Sept	64 955	702	460	74 902	10	34 770	17 045	641	4 113	-583	59	197 075
October	49 301	710	146	64 530	0	32 289	16 625	574	4 498	316	58	168 416
November	55 455	646	251	56 502	19	32 923	18 467	464	4 108	426	56	186 466
December	53 561	739	315	67 709	2	39 861	19 330	395	4 193	465	57	180 697
Year 2020												
January	48 387	800	493	65 167	0	40 721	23 120	554	4 395	325	41	183 354
February	41 641	616	366	62 392	0	36 079	24 127	632	4 995	187	40	170 714
March	38 332	516	521	62 259	19	35 133	21 071	806	4 860	252	40	163 305
April	29 872	471	455	54 789	6	32 827	19 661	918	4 895	252	34	143 676
May	31 953	533	436	60 009	8	34 392	29 113	1 103	4 557	273	41	163 872
June	49 744	654	547	72 147	1	36 388	27 053	1 027	4 876	420	37	197 098
July	69 565	720	737	91 836	6	37 583	25 724	1 076	3 591	595	40	230 279
August	71 210	709	626	86 115	0	37 544	22 279	974	3 979	675	42	222 803
Sept	53 206	616	289	68 236	0	36 043	17 529	835	4 356	438	30	180 704
Year to Date												
2018	654 166	7 997	5 361	557 827	152	321 621	209 761	3 883	33 000	3 099	419	1 790 481
2019	654 568	6 316	4 400	601 188	132	325 998	207 942	5 351	34 629	3 053	389	1 747 449
2020	436 912	5 640	4 565	627 951	47	326 711	208 677	7 920	40 454	3 411	340	1 650 606
Rolling 12 Months Ending in September												
2019	773 912	8 477	5 850	763 567	131	428 228	265 517	6 385	45 812	4 141	523	2 294 217
2020	685 220	7 734	5 278	806 692	69	431 785	263 099	9 354	53 252	4 617	510	2 168 385

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.

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, hydropower, purchased steam, sulfur, lime 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 2019 and prior years are final. Values for 2020 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.

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Sources: U.S. Energy Information Administration Form EIA 923, Power Plant Operations 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.

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Table 1.2 R Net Generation by Energy Source Independent Power Producers, 2010 September 2020
(Thousands Megawatthours)

	Generation at Utility Scale Facilities												Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar								
Annual Totals																
2010	449 709	5 117	3,497	508,774	2,915	387 126	22 351	1 105	119 851	1 075	6,345	1,500,754				
2011	416 767	3 855	3 431	511 447	2,911	374 906	26 117	1,511	140 442	928	7 059	1 497 335				
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	27 018	7,782	181 763	908	6 742	1 515 657				
2014	395 701	6 789	1 410	531 758	3 246	377 795	19 861	16 086	196 723	1 030	6 690	1 554 530				
2015	342 608	6 240	1,601	619 839	3 517	380 498	17 966	27 962	207 858	987	6 838	1 603 971				
2016	307 263	3 360	1,401	624 600	3 758	381 294	18 539	33 502	233 553	1,057	6 941	1 613 156				
2017	304 198	3 281	1 460	572 919	3 976	380 465	23 034	49 376	258 962	1 047	6 527	1 603,174				
2018	278 668	5,487	1,516	645 616	3,935	382,833	23,612	58 337	275 154	1 119	6 677	1 680 917				
2019	235 847	2,669	1,125	692 113	3,883	378 738	24,788	64 480	290,343	1,000	7 141	1 699 678				
Year 2018																
January	29 839	7,951	137	45 672	318	35 283	1,856	3,000	25 364	72	575	144 974				
February	20 261	133	126	41 986	320	30 849	1 929	3 549	23 179	89	543	122,786				
March	21 377	186	96	46 436	331	31 770	2 114	4 563	26 260	42	564	133 615				
April	17 506	199	137	42 464	326	28 553	2 392	5 522	25 872	47	527	122 416				
May	20 600	248	124	48 762	379	32 841	2 764	6 325	24 380	-81	526	136 366				
June	22 994	768	100	55 388	303	33 251	1 774	6 845	24 920	95	582	146 291				
July	26 647	290	139	73 967	344	34 163	1 700	6 214	17 729	-123	586	161 625				
August	27 157	292	139	74 126	369	33 398	1 858	6 158	20 775	-121	579	164,730				
Sept	22 941	233	108	64 337	328	30 348	1 692	5 475	18 927	103	515	144,800				
October	21 646	216	126	55 402	326	28 465	1 855	4 508	21 450	87	586	134 209				
November	23 393	245	140	47 623	311	30 911	2 150	3 386	22 175	88	551	130,787				
December	24 120	254	144	48 384	350	33 434	2,277	2 792	24 124	95	574	137,357				
Year 2019																
January	25 344	462	125	52,923	348	33 895	2 266	3 167	24 202	76	625	143 281				
February	19 675	185	91	48 397	329	30,472	2 162	3 395	22 629	79	544	128,000				
March	21 337	155	71	49 981	352	30 867	2,388	5 243	25 079	100	570	135,930				
April	15 198	189	79	44 245	328	28 518	2 499	6 023	21 352	78	545	124,830				
May	16 258	215	145	48 642	325	31 706	2,591	6 406	25 313	-63	623	132,362				
June	17 844	196	117	58 469	306	31 958	2 198	7 236	22 393	-86	610	141,741				
July	23 140	254	135	77 238	354	33 176	1 942	7 380	22 330	118	634	166 460				
August	21 485	260	134	77 396	361	37 693	1 582	7 163	20 758	109	638	162 310				
Sept	20 261	186	77	65 571	332	31 294	1 416	6 112	24 002	-88	590	149 753				
October	17 011	200	9	57 397	189	29 744	1 607	5 466	26 533	56	582	138 481				
November	19 581	215	41	52 115	307	31 202	1 692	3 859	24 096	84	572	133 645				
December	18 504	213	102	59 480	352	33 212	2,044	3 028	25 656	-64	601	143 328				
Year 2020																
January	16 160	121	112	58 124	354	33 448	2 195	4 093	27 434	57	609	142 600				
February	13 935	112	93	54 253	361	29 871	2 155	5 035	27 591	65	545	133 887				
March	11 811	164	114	52 497	269	28 864	2 240	5 688	28 179	101	622	130 277				
April	10 287	133	104	45 756	144	26 343	2 188	7 057	28 013	75	594	120 044				
May	11 141	138	110	47 824	153	29,946	2,329	8 543	27 372	94	585	127 986				
June	15 116	168	110	62 490	132	30 817	1 976	8 423	28 464	79	540	148 156				
July	19 817	203	117	84 487	156	31 802	1 925	9 211	22 642	91	606	170 854				
August	19 517	184	124	78 867	303	31 438	1 852	8 316	22 440	109	612	163 544				
Sept	14 718	141	123	64 858	297	29 684	1 568	6 855	22 744	87	565	140 970				
Year to Date																
2020	209 321	4 773	1 107	493,148	3 020	290,455	17 529	47 850	207 400	848	4,986	1 278 554				
2019	180 742	2 047	913	523,062	3 036	284 580	18 566	52 127	214 059	795	5 385	1 284,174				
2020	132 501	1 367	1 009	548 635	2 170	272,214	18 425	63,101	234 336	750	5 279	1 278 279				
Rolling 12 Months Ending in September																
2019	250 069	2 758	1 383	675,530	3 951	376 958	25,748	62 613	281 807	1 066	7 066	1 686 537				
2020	187 606	1 994	1 161	717 686	3 017	366 372	23 747	75 454	310 614	955	7 035	1 693 733				

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.

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 the 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 2019 and prior years are final. Values for 2020 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.

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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.

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.

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Table 1.2.C Net Generation by Energy Source Commercial Sector, 2010-September 2020
(Thousand Megawatt-hours)

Period	Generation at Utility Scale Facilities											Small Scale Generation	Net Generation From Utility and Small Scale Facilities	
	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 Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals														
2010	1,111	117	7	4,725	3	0	80	5	1,709	0	834	6,592	N/A	N/A
2011	1,045	86	3	5,483	3	0	26	84	2,382	0	565	10,080	N/A	N/A
2012	883	191	0	6,603	0	0	29	148	2,397	0	1,046	11,301	N/A	N/A
2013	839	116	5	7,154	0	0	44	294	2,662	0	1,118	12,234	N/A	N/A
2014	585	247	9	7,227	0	0	38	371	2,862	0	1,171	12,520	5,146	5,516
2015	508	183	8	7,471	0	0	35	416	2,803	0	1,170	12,565	5,689	6,100
2016	383	77	6	7,730	0	0	217	529	2,697	0	1,068	12,706	6,158	6,687
2017	329	103	8	8,042	0	0	240	521	2,729	0	1,089	13,060	7,685	8,206
2018	303	137	7	8,418	0	0	221	525	2,668	0	1,070	13,312	9,798	10,324
2019	268	116	5	8,610	0	0	188	587	2,840	0	1,076	13,689	11,002	11,588
Year 2018														
January	40	41	1	671	0	0	19	29	229	0	84	1,114	552	581
February	32	7	1	620	0	0	19	31	206	0	72	995	605	636
March	27	7	1	647	0	0	21	43	227	0	83	1,058	620	663
April	24	8	0	585	0	0	24	50	217	0	81	998	607	657
May	21	7	0	556	0	0	24	57	221	0	90	1,076	692	1,048
June	20	7	0	737	0	0	21	62	274	0	92	1,163	1,003	1,065
July	21	11	0	875	0	0	19	59	223	0	90	1,298	1,036	1,094
August	23	9	0	692	0	0	17	56	230	0	90	1,318	993	1,049
Sept	24	7	1	771	0	0	16	46	213	0	80	1,156	893	938
October	20	7	1	668	0	0	14	39	224	0	82	1,055	786	826
November	22	17	1	622	0	0	16	28	213	0	77	991	623	652
December	24	9	1	669	0	0	17	25	262	0	88	1,685	589	614
Year 2019														
January	29	19	1	709	0	0	16	30	263	0	95	1,160	629	659
February	27	9	1	654	0	0	15	34	236	0	81	1,057	676	710
March	33	8	1	711	0	0	19	50	267	0	90	1,173	933	983
April	27	7	1	660	0	0	19	58	216	0	88	1,053	1,032	1,066
May	18	7	0	653	0	0	22	53	213	0	81	1,072	1,110	1,168
June	13	6	0	711	0	0	18	63	229	0	93	1,133	1,118	1,181
July	18	9	0	669	0	0	16	69	240	0	92	1,313	1,171	1,241
August	17	12	0	852	0	0	15	64	235	0	94	1,290	1,116	1,181
Sept	21	10	0	731	0	0	12	55	230	0	91	1,150	994	1,049
October	21	9	0	666	0	0	11	46	235	0	84	1,072	881	927
November	23	9	0	667	0	0	12	36	235	0	84	1,066	683	719
December	27	10	1	735	0	0	14	26	245	0	93	1,151	657	684
Year 2020														
January	22	10	2	748	0	0	N/A	37	237	0	91	1,164	736	773
February	29	6	1	672	0	0	N/A	44	230	0	80	1,060	635	878
March	22	5	0	648	0	0	N/A	52	246	0	88	1,078	1,091	1,143
April	13	3	0	550	0	0	15	64	224	0	82	953	1,200	1,264
May	14	7	0	599	0	0	N/A	75	237	0	89	1,039	1,313	1,388
June	17	7	0	672	0	0	N/A	72	220	0	85	1,095	1,319	1,391
July	17	10	0	809	0	0	N/A	78	229	0	92	1,255	1,378	1,456
August	15	10	0	790	0	0	N/A	68	228	0	90	1,219	1,330	1,398
Sept	24	8	0	710	0	0	13	56	215	0	84	1,110	1,182	1,238
Year to Date														
2018	233	165	4	6,400	0	0	181	432	1,997	0	762	10,169	7,800	8,232
2019	187	88	4	6,542	0	0	152	479	2,123	0	815	10,396	8,780	9,259
2020	173	70	2	6,198	0	0	163	545	2,061	0	780	9,932	10,384	10,828
Rolling 12 Months Ending in September														
2019	268	115	7	8,501	0	0	198	572	2,820	0	1,063	13,543	10,779	11,351
2020	244	88	3	8,266	0	0	N/A	653	2,777	0	1,041	13,282	12,605	13,258

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.

Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non biogenic municipal solid waste and tire derived fuels are reclassified as non renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

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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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA 861M, Form EIA 861 and from estimation methods described in the technical notes.

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Table 1.2.D Net Generation by Energy Source - Industrial Sector, 2010-September 2020
(Thousand Megawatt-hours)

Period	Generation at Utility Scale Facilities										Small Scale Generation	Net Generation From Utility and Small Scale Facilities	
	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals													
2010	18,441	844	1,414	81,083	8,342	0	1,668	2	26,574	0	5,214	144,082	N/A
2011	14,490	637	1,234	81,911	8,054	0	1,799	7	27,612	0	5,541	141,875	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
2013	17,554	495	2,036	88,733	8,531	0	3,463	17	29,074	0	5,113	150,015	N/A
2014	12,341	544	1,389	86,209	8,664	0	1,282	16	28,659	0	4,978	144,083	1,139
2015	10,896	563	990	88,355	9,401	0	1,410	21	28,614	0	5,462	145,712	1,451
2016	9,103	503	909	91,197	8,895	0	1,269	27	28,663	0	5,324	145,890	2,000
2017	7,669	463	776	91,647	8,343	0	1,582	45	28,508	0	4,928	143,758	2,364
2018	7,011	517	640	94,882	9,377	0	1,149	47	28,440	0	4,725	146,798	2,636
2019	5,957	424	576	100,055	8,554	0	1,033	85	27,276	0	4,567	148,537	3,041
Year 2018													
January	687	73	57	8,153	752	0	83	2	2,450	0	410	12,668	146
February	619	47	52	7,184	755	0	89	3	2,177	0	340	11,265	155
March	616	41	54	7,280	811	0	87	4	2,437	0	413	11,742	221
April	535	33	51	7,172	744	0	102	4	2,237	0	380	11,258	241
May	572	41	56	7,814	778	0	101	5	2,390	0	409	11,967	267
June	590	34	64	7,918	775	0	74	5	2,358	0	381	12,199	269
July	606	49	57	8,609	813	0	78	5	2,540	0	381	13,138	277
August	590	35	54	8,634	909	0	91	5	2,474	0	421	13,212	268
Sept	558	34	51	8,022	773	0	90	4	2,290	0	363	12,185	242
October	507	39	58	7,941	762	0	108	4	2,307	0	402	12,127	270
November	538	46	38	8,137	734	0	116	3	2,318	0	396	12,313	174
December	596	46	49	8,237	771	0	130	2	2,464	0	429	12,724	157
Year 2019													
January	581	48	40	8,739	664	0	174	4	2,393	0	432	13,025	168
February	521	40	40	7,530	597	0	94	5	2,150	0	348	11,335	178
March	600	37	37	7,978	702	0	108	7	2,348	0	384	12,099	254
April	475	40	45	7,552	670	0	106	8	2,110	0	348	11,301	278
May	479	30	41	7,951	730	0	104	9	2,150	0	361	11,854	329
June	484	31	47	8,186	680	0	95	10	2,244	0	360	12,147	311
July	529	28	105	8,877	813	0	71	10	2,391	0	394	13,178	321
August	500	35	50	8,976	770	0	59	9	2,419	0	413	13,236	311
Sept	470	34	44	8,483	770	0	52	8	2,211	0	402	12,474	281
October	445	32	41	8,348	735	0	63	7	2,233	0	375	12,281	255
November	489	36	41	8,661	721	0	67	5	2,249	0	371	12,531	190
December	469	35	45	8,906	753	0	91	4	2,372	0	382	13,077	175
Year 2020													
January	530	33	54	9,115	750	0	93	6	2,365	0	344	13,290	193
February	495	12	41	8,237	763	0	92	7	2,210	0	296	12,172	214
March	477	79	49	8,750	721	0	96	8	2,313	0	334	12,277	295
April	422	76	31	7,334	596	0	95	10	2,218	0	357	11,090	318
May	472	79	41	7,423	647	0	95	13	2,216	0	373	11,259	351
June	398	32	51	7,871	623	0	86	13	2,184	0	359	11,618	357
July	447	30	58	8,322	692	0	84	14	2,224	0	350	12,271	372
August	423	73	59	8,357	699	0	80	12	2,241	0	357	12,246	360
Sept	446	76	45	7,602	650	0	73	11	2,202	0	327	11,382	324
Year to Date													
2018	5,372	386	496	70,687	7,110	0	798	38	21,352	0	3,488	106,635	2,085
2019	4,543	327	446	74,250	6,346	0	813	76	20,422	0	3,439	110,649	2,409
2020	4,060	261	428	72,512	6,143	0	784	94	20,173	0	3,093	107,557	2,787
Rolling 12 Months Ending in September													
2019	6,182	452	580	98,555	8,613	0	1,166	79	27,510	0	4,665	147,813	2,960
2020	5,474	364	558	98,376	8,351	0	1,014	109	27,027	0	4,220	145,445	3,415

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.

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, the 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 2019 and prior years are final. Values for 2020 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 906, Combined Heat and Power Plant Report.

Form EIA 423, Monthly Cost and Quality of Fuels for Electric Plants Report, and Federal Energy Regulatory Commission Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA 961M, Form EIA 861 and from estimation methods described in the technical notes.

Table 1.2.E. Net Generation by Energy Source- Residential Sector, 2014-September 2020
(Thousand Megawatthours)

(Thousand megawatt-hours)		Small Scale Generation
Period		Estimated Small Scale Solar Photovoltaic Generation
Annual Totals		
2014		4,947
2015		6,999
2016		10,595
2017		13,942
2018		17,105
2019		20,914
Year 2018		
January		921
February		1,007
March		1,393
April		1,592
May		1,753
June		1,788
July		1,834
August		1,756
Sept		1,539
October		1,385
November		1,108
December		1,029
Year 2019		
January		1,107
February		1,205
March		1,727
April		1,935
May		2,130
June		2,175
July		2,268
August		2,184
Sept		1,930
October		1,697
November		1,346
December		1,210
Year 2020		
January		1,385
February		1,579
March		2,050
April		2,312
May		2,612
June		2,613
July		2,691
August		2,550
Sept		2,250
Year to Date		
2018		13,583
2019		16,661
2020		20,042
Rolling 12 Months Ending in September		
2019		20,183
2020		24,296

See Glossary for definitions. Values for 2019 and prior years are final. Values for 2020 are preliminary.

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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

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Table 1 3 A. Utility Scale Facility Net Generation
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	8,340	7,404	12.6%	123	111	7,874	6,951	108	109	235	242
Connecticut	3,609	3,329	8.4%	5	5	3,522	3,229	35	37	47	57
Maine	782	619	26.4%	NM	0	617	458	9	11	156	150
Massachusetts	1,468	1,305	12.4%	33	18	1,365	1,226	53	41	16	20
New Hampshire	1,536	1,382	11.1%	NM	34	1,499	1,340	5	5	2	3
Rhode Island	790	656	20.5%	0	0	772	638	5	5	13	13
Vermont	156	114	37.0%	56	53	99	60	0	0	0	0
Middle Atlantic	35,945	36,333	-1.1%	2,947	2,779	32,494	33,016	200	202	304	336
New Jersey	5,267	6,114	-13.9%	17	19	5,128	5,964	58	63	64	67
New York	10,782	11,069	-2.6%	2,928	2,757	7,690	8,142	112	107	52	64
Pennsylvania	19,896	19,150	3.9%	2	3	19,675	18,910	30	32	188	205
East North Central	42,894	47,153	-9.0%	15,058	17,398	26,845	28,770	141	145	849	839
Illinois	13,361	14,433	-7.4%	277	384	12,826	13,809	29	25	229	215
Indiana	7,397	8,062	-8.2%	5,067	5,478	1,993	2,211	26	28	312	345
Michigan	7,870	9,561	-17.7%	5,282	6,692	2,428	2,711	54	56	105	102
Ohio	9,638	10,076	-4.3%	1,062	1,067	8,490	8,941	21	23	64	45
Wisconsin	4,628	5,020	-7.8%	3,370	3,778	1,108	1,099	12	11	139	132
West North Central	26,442	28,491	-7.2%	20,358	21,865	5,740	6,242	53	57	291	327
Iowa	4,378	5,120	-14.5%	3,504	3,839	706	1,079	19	21	150	182
Kansas	4,416	4,672	-5.5%	2,807	2,652	1,587	2,015	NM	2	21	3
Minnesota	4,288	4,862	-12.2%	3,016	3,509	1,150	1,243	16	15	86	95
Missouri	6,233	6,364	-2.1%	5,741	5,839	474	504	16	18	3	3
Nebraska	2,651	3,246	-18.3%	1,912	2,589	722	618	1	1	16	38
North Dakota	3,321	3,248	2.2%	2,624	2,646	682	597	NM	0	15	5
South Dakota	1,174	977	20.2%	754	790	420	185	NM	0	0	2
South Atlantic	66,244	72,217	-8.3%	54,498	59,612	10,131	10,937	149	155	1,466	1,513
Delaware	418	442	-5.6%	4	3	332	318	0	0	81	121
Distrcot of Columbia	19	35	32.5%	0	0	NM	1	18	14	0	0
Florida	22,700	23,300	-2.6%	21,317	21,756	1,004	1,129	6	6	372	410
Georgia	10,074	11,792	-14.6%	8,396	9,792	1,259	1,582	NM	1	418	417
Maryland	2,789	3,252	-14.3%	102	112	2,609	3,062	74	74	3	4
North Carolina	9,883	11,975	-17.5%	8,200	10,277	1,527	1,536	21	29	134	132
South Carolina	8,336	8,282	0.6%	7,887	7,840	295	305	0	0	154	137
Virginia	7,723	7,961	3.0%	5,512	6,174	1,981	1,554	29	31	200	203
West Virginia	4,304	5,198	-17.2%	3,079	3,658	1,121	1,451	0	0	103	89
East South Central	29,938	33,310	-10.1%	25,607	28,719	3,574	3,748	19	21	738	823
Alabama	12,136	12,573	3.5%	8,458	8,677	3,320	3,503	0	0	358	393
Kentucky	4,880	6,880	-29.1%	4,825	6,804	13	44	0	0	42	32
Mississippi	5,989	6,463	-7.3%	5,642	6,137	201	155	0	0	146	170
Tennessee	6,933	7,394	-6.2%	6,683	7,100	40	45	19	21	192	228
West South Central	59,969	69,477	-13.7%	19,998	23,842	34,104	38,799	91	99	5,775	6,736
Arkansas	4,379	6,093	-28.1%	3,835	5,431	442	531	NM	6	97	125
Louisiana	7,956	9,526	-16.5%	5,375	6,092	387	718	17	16	2,178	2,700
Oklahoma	6,649	8,143	-18.3%	3,354	3,876	3,218	4,211	0	0	77	56
Texas	40,984	45,715	-10.3%	7,434	8,443	30,058	33,339	69	78	3,423	3,855
Mountain	31,796	33,502	-5.1%	24,898	25,575	6,489	7,613	82	80	327	233
Arizona	10,436	10,863	-3.9%	8,832	9,200	1,590	1,650	14	13	0	0
Colorado	4,362	4,682	-6.8%	3,247	3,564	1,106	1,109	4	4	6	6
Idaho	1,384	1,579	-12.4%	887	1,017	438	517	5	5	53	40
Montana	1,543	2,499	-38.3%	715	873	825	1,624	0	0	3	2
Nevada	3,910	3,704	5.6%	2,798	2,565	1,024	1,072	45	41	44	25
New Mexico	3,253	3,221	1.0%	2,284	2,201	960	1,010	9	10	0	0
Utah	3,631	3,255	11.6%	3,304	2,863	292	347	5	7	29	38
Wyoming	3,276	3,699	-11.4%	2,830	3,293	253	284	0	0	192	122
Pacific Contiguous	31,402	31,258	0.5%	16,420	16,319	13,394	13,314	213	234	1,375	1,391
California	18,092	18,269	-1.0%	6,479	6,948	10,243	9,937	206	226	1,164	1,157
Oregon	5,020	5,074	-1.1%	3,392	3,348	1,576	1,676	5	6	48	44
Washington	8,290	7,915	4.7%	6,550	6,023	1,576	1,702	NM	1	163	189
Pacific Noncontiguous	1,197	1,308	-8.4%	796	855	325	363	54	58	23	33
Alaska	432	429	0.6%	381	378	21	21	23	19	7	11
Hawaii	765	878	-12.8%	415	477	304	341	31	38	16	22
U.S. Total	334,167	360,452	-7.3%	180,704	197,075	140,970	149,753	1,110	1,150	11,382	12,474

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 2020 are preliminary. Values for 2019 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.

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Table 1 3 B Utility Scale Facility Net Generation

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	74,487	75,796	-1.7%	1,685	1,861	69,632	70,671	950	990	2,221	2,274
Connecticut	31,934	29,825	7.1%	56	76	31,088	28,927	308	331	484	492
Maine	7,969	7,881	1.1%	NM	NM	3	6,445	6,327	83	101	1,438
Massachusetts	14,048	17,165	18.2%	473	322	12,935	16,181	473	462	168	199
New Hampshire	12,517	13,417	-6.7%	379	737	12,076	12,609	42	50	20	22
Rhode Island	6,197	5,755	7.7%	0	0	6,042	5,601	44	44	111	110
Vermont	1,822	1,752	4.0%	774	724	1,046	1,026	2	3	0	0
Middle Atlantic	323,429	325,985	-0.8%	27,896	26,662	290,934	294,235	1,791	1,823	2,808	3,165
New Jersey	48,383	53,595	-9.7%	89	103	47,235	52,375	518	539	541	578
New York	100,681	98,947	1.8%	27,733	26,471	71,360	70,863	984	983	604	630
Pennsylvania	174,364	173,343	0.6%	74	87	172,339	170,997	289	301	1,663	1,957
East North Central	410,974	445,979	-7.8%	142,349	165,900	259,170	270,709	1,261	1,335	8,193	8,035
Illinois	129,434	139,737	-7.4%	4,122	3,982	123,074	133,546	266	272	1,973	1,937
Indiana	67,141	77,698	-13.6%	43,009	54,353	20,601	19,911	193	217	3,339	3,218
Michigan	77,622	89,025	-12.8%	49,138	61,021	26,958	26,390	513	559	1,013	1,055
Ohio	89,228	92,254	-3.3%	9,403	10,027	79,074	81,511	179	187	573	529
Wisconsin	47,548	47,265	0.6%	36,678	36,517	9,464	9,351	110	101	1,296	1,296
West North Central	254,668	258,703	-1.6%	195,551	207,549	55,958	47,698	470	487	2,689	2,959
Iowa	43,499	46,488	-6.4%	32,428	35,305	9,477	9,316	155	173	1,438	1,693
Kansas	40,500	38,522	5.1%	24,479	24,693	15,881	13,755	13	12	128	61
Minnesota	42,023	44,497	-5.6%	30,081	34,063	11,023	9,401	154	150	765	883
Missouri	56,095	59,952	6.4%	51,420	55,589	4,512	4,200	134	139	30	23
Nebraska	28,047	27,843	0.7%	21,890	22,813	5,950	4,764	13	13	194	254
North Dakota	31,748	30,205	5.1%	25,748	25,318	5,862	4,842	NM	0	135	45
South Dakota	12,756	11,197	13.9%	9,503	9,768	3,253	1,420	NM	0	0	9
South Atlantic	605,162	623,615	-3.0%	495,875	516,509	93,976	91,568	1,420	1,537	13,890	14,001
Delaware	4,244	4,365	-2.8%	27	31	3,276	3,332	4	4	937	998
District of Columbia	154	129	19.9%	0	0	15	7	140	122	0	0
Florida	191,771	187,962	2.1%	179,131	175,513	8,988	8,531	55	52	3,597	3,767
Georgia	89,121	98,056	-9.1%	70,876	81,611	14,297	12,590	4	6	3,944	3,849
Maryland	27,548	30,428	-9.5%	2,337	3,168	24,440	26,312	735	814	36	134
North Carolina	94,624	100,431	-5.8%	78,711	85,191	14,425	13,725	208	263	1,280	1,251
South Carolina	74,869	77,043	-2.8%	70,947	73,659	2,552	2,162	3	2	1,367	1,220
Virginia	79,407	75,416	5.3%	61,376	59,040	15,984	14,288	273	274	1,774	1,815
West Virginia	43,424	49,887	-13.0%	32,470	38,297	10,000	10,621	0	0	955	969
East South Central	262,762	279,824	-6.1%	224,697	242,152	30,765	30,244	168	160	7,132	7,269
Alabama	104,184	108,697	-4.2%	73,180	77,780	27,481	27,302	0	0	3,522	3,616
Kentucky	48,294	55,944	-13.7%	47,470	55,289	446	291	0	0	378	364
Mississippi	50,820	51,000	0.4%	46,934	47,322	2,449	2,294	0	0	1,437	1,384
Tennessee	59,465	64,183	-7.4%	57,113	61,761	388	357	168	160	1,795	1,905
West South Central	547,551	563,915	-2.9%	181,401	193,131	309,847	311,738	731	775	55,571	58,272
Arkansas	40,382	50,125	-19.4%	35,975	44,710	3,475	4,105	49	42	883	1,268
Louisiana	78,354	77,226	1.5%	52,042	46,790	4,108	6,307	138	122	22,065	24,007
Oklahoma	65,248	65,675	-0.6%	31,455	32,859	33,107	32,215	0	0	686	601
Texas	363,567	370,890	-2.0%	61,930	68,772	269,156	269,111	544	610	31,937	32,396
Mountain	272,625	282,932	-3.6%	207,850	218,662	61,540	61,463	756	754	2,479	2,053
Arizona	83,293	87,871	-5.2%	70,054	75,279	13,124	12,476	115	116	0	0
Colorado	40,906	42,095	-2.8%	30,182	32,593	10,628	9,422	42	26	54	53
Idaho	15,013	14,217	5.6%	10,098	9,443	4,433	4,308	50	48	433	419
Montana	17,973	21,231	-15.3%	9,141	8,578	8,807	12,631	0	0	25	22
Nevada	31,478	30,615	2.8%	21,204	20,981	9,584	8,973	426	420	264	241
New Mexico	26,798	26,371	1.6%	17,129	18,002	9,584	8,282	75	82	11	4
Utah	26,801	29,089	-7.9%	23,545	25,671	2,926	2,968	49	61	281	388
Wyoming	30,364	31,443	-3.4%	26,497	28,115	2,455	2,402	0	0	1,411	925
Pacific Contiguous	283,615	284,253	-0.2%	165,851	167,039	103,525	102,873	1,936	2,025	12,303	12,316
California	147,398	156,257	-5.7%	53,992	65,792	81,362	78,243	1,860	1,954	10,184	10,267
Oregon	49,357	47,154	4.7%	35,319	33,408	13,486	13,273	55	53	497	420
Washington	86,861	80,842	7.4%	76,540	67,838	8,678	11,357	21	19	1,622	1,628
Pacific Noncontiguous	11,360	11,769	-3.5%	7,651	7,983	2,931	2,976	509	514	269	297
Alaska	4,569	4,576	-0.1%	4,052	4,112	200	174	235	200	83	90
Hawaii	6,791	7,193	-5.6%	3,599	3,871	2,732	2,802	274	314	186	207
U.S. Total	3,046,634	3,152,671	-3.4%	1,650,806	1,747,449	1,278,279	1,284,174	9,992	10,399	107,557	110,649

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 2020 are preliminary. Values for 2019 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.

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Table 1.4.A Utility Scale Facility Net Generation from Coal
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	4	17	-78.9%	0	12	2	3	0	0	NM	1
Connecticut	-1	-2	-40.5%	0	0	-1	-2	0	0	0	0
Maine	5	6	-25.8%	0	0	3	5	0	0	NM	1
Massachusetts	0	0	-	0	0	0	0	0	0	0	0
New Hampshire	0	12	-100.0%	0	12	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	1,372	2,685	-48.9%	0	0	1,366	2,680	0	0	6	4
New Jersey	87	89	-3.2%	0	0	87	89	0	0	0	0
New York	0	0	-	0	0	0	0	0	0	0	0
Pennsylvania	1,285	2,595	-50.5%	0	0	1,279	2,591	0	0	6	4
East North Central	14,427	17,911	-19.4%	8,968	10,217	5,294	7,542	5	5	160	147
Illinois	2,081	3,974	-47.6%	116	279	1,829	3,564	1	1	136	131
Indiana	4,309	4,622	-6.8%	3,917	4,210	388	407	4	4	0	0
Michigan	2,497	3,198	-21.9%	2,468	3,162	29	35	0	0	0	2
Ohio	3,481	4,066	-14.4%	433	529	3,048	3,536	0	0	0	0
Wisconsin	2,059	2,051	0.4%	2,035	2,036	0	0	0	0	24	15
West North Central	11,720	12,780	-8.3%	11,572	12,603	0	0	7	7	141	171
Iowa	1,201	1,711	-29.8%	1,090	1,582	0	0	7	7	105	122
Kansas	1,640	1,584	2.9%	1,640	1,594	0	0	0	0	0	0
Minnesota	1,252	1,284	-2.5%	1,241	1,273	0	0	0	0	11	11
Missouri	4,314	4,231	2.0%	4,314	4,231	0	0	0	0	0	0
Nebraska	1,295	1,829	-29.2%	1,279	1,791	0	0	0	0	16	38
North Dakota	1,922	1,937	-0.8%	1,912	1,937	0	0	0	0	10	0
South Dakota	96	194	-50.6%	96	194	0	0	0	0	0	0
South Atlantic	11,004	15,418	-28.6%	9,775	13,533	1,192	1,839	2	2	35	44
Delaware	5	-3	283.0%	0	0	5	-3	0	0	0	0
District of Columbia	0	0	-	0	0	0	0	0	0	0	0
Florida	1,851	1,955	-5.3%	1,848	1,952	0	0	0	0	3	4
Georgia	1,821	2,888	-37.0%	1,806	2,876	0	0	0	0	15	12
Maryland	292	694	-57.9%	0	0	292	694	0	0	0	0
North Carolina	1,837	3,521	-47.8%	1,818	3,502	9	6	2	2	8	11
South Carolina	1,176	1,499	-21.5%	1,161	1,485	14	14	0	0	1	0
Virginia	143	176	-18.6%	132	157	4	2	0	0	7	17
West Virginia	3,878	4,687	-17.3%	3,009	3,562	868	1,126	0	0	0	0
East South Central	8,103	10,655	-24.0%	7,904	10,494	165	123	0	0	34	38
Alabama	2,291	2,408	-4.8%	2,291	2,408	0	0	0	0	0	0
Kentucky	3,646	5,032	-27.5%	3,646	5,032	0	0	0	0	0	0
Mississippi	478	449	6.4%	313	326	165	123	0	0	0	0
Tennessee	1,688	2,766	-39.0%	1,654	2,728	0	0	0	0	34	38
West South Central	10,160	12,538	-19.0%	5,061	6,880	5,087	5,644	0	0	12	14
Arkansas	1,576	2,462	-36.0%	1,277	2,071	297	387	0	0	2	4
Louisiana	399	908	-56.1%	386	788	13	120	0	0	0	0
Oklahoma	745	858	-13.2%	734	848	0	0	0	0	10	10
Texas	7,441	8,309	-10.5%	2,663	3,172	4,778	5,138	0	0	0	0
Mountain	10,290	12,475	-17.5%	9,544	10,898	714	1,542	0	0	32	35
Arizona	1,490	2,188	-31.9%	1,490	2,188	0	0	0	0	0	0
Colorado	1,580	2,018	-21.7%	1,580	2,018	0	0	0	0	0	0
Idaho	NM	3	NM	0	0	0	0	0	0	NM	3
Montana	577	1,371	-57.9%	12	23	564	1,348	0	0	NM	0
Nevada	229	267	-14.3%	165	169	64	97	0	0	0	0
New Mexico	1,454	1,373	5.9%	1,454	1,373	0	0	0	0	0	0
Utah	2,312	2,145	7.8%	2,284	2,110	28	35	0	0	0	0
Wyoming	2,646	3,110	-14.9%	2,559	3,017	58	61	0	0	29	32
Pacific Contiguous	1,163	1,064	9.3%	348	289	791	759	0	0	24	15
California	22	14	59.8%	0	0	0	0	0	0	22	14
Oregon	348	289	20.2%	348	289	0	0	0	0	0	0
Washington	793	761	4.3%	0	0	791	759	0	0	2	1
Pacific Noncontiguous	153	165	7.0%	37	29	106	129	10	7	0	0
Alaska	64	52	22.2%	37	29	17	16	10	7	0	0
Hawaii	89	112	-20.7%	0	0	89	112	0	0	0	0
U.S. Total	68,396	85,707	-20.2%	53,208	64,955	14,718	20,261	24	21	446	470

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 2020 are preliminary. Values for 2019 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.

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Table 1 4 B Utility Scale Facility Net Generation from Coal

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	84	379	-77.7%	56	269	19	102	0	0	9	8
Connecticut	-15	59	-125.8%	0	0	-15	59	0	0	0	0
Maine	44	51	-13.4%	0	0	35	43	0	0	9	8
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	56	269	-79.4%	56	269	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	17,804	30,184	-41.0%	0	0	17,758	30,109	0	0	46	75
New Jersey	712	796	-10.5%	0	0	712	796	0	0	0	0
New York	144	422	-65.9%	0	0	144	422	0	0	0	0
Pennsylvania	16,948	28,966	-41.5%	0	0	16,902	28,891	0	0	46	75
East North Central	127,145	172,702	-26.4%	74,021	100,688	51,748	70,533	21	43	1,355	1,438
Illinois	22,410	38,027	-41.1%	1,366	2,780	19,897	34,076	6	11	1,140	1,160
Indiana	35,020	47,394	-26.1%	31,518	44,293	3,487	3,068	15	32	0	0
Michigan	19,699	29,709	-33.7%	19,418	29,422	280	272	0	0	2	15
Ohio	31,477	37,162	-15.3%	3,393	4,042	28,084	33,117	0	0	0	3
Wisconsin	18,539	20,409	-9.2%	18,325	20,150	0	0	0	0	214	260
West North Central	105,655	123,933	-14.7%	104,211	122,262	0	0	43	58	1,400	1,613
Iowa	11,361	18,084	-37.2%	10,317	16,868	0	0	39	50	1,005	1,165
Kansas	13,048	13,324	-2.1%	13,048	13,324	0	0	0	0	0	0
Minnesota	9,840	13,823	-28.8%	9,730	13,627	0	0	1	2	109	194
Missouri	37,448	42,757	-12.4%	37,445	42,752	0	0	3	6	0	0
Nebraska	14,379	15,401	-6.6%	14,185	15,147	0	0	0	0	194	254
North Dakota	18,393	18,535	0.8%	18,301	18,535	0	0	0	0	92	0
South Dakota	1,186	2,009	-41.0%	1,186	2,009	0	0	0	0	0	0
South Atlantic	91,508	125,686	-27.2%	81,280	111,996	9,860	13,211	26	29	342	451
Delaware	71	123	-42.4%	0	0	71	123	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	12,014	15,831	-24.1%	11,993	15,790	0	0	0	0	21	41
Georgia	9,861	20,781	-52.6%	9,726	20,644	0	0	0	0	135	139
Maryland	2,723	4,596	-40.8%	0	0	2,723	4,564	0	0	0	32
North Carolina	16,258	24,071	-32.5%	16,069	23,880	71	63	25	25	94	103
South Carolina	9,194	11,745	-21.7%	9,052	11,576	135	161	0	0	6	8
Virginia	2,833	2,901	-2.4%	2,719	2,699	25	68	1	4	86	130
West Virginia	38,556	45,638	-15.5%	31,721	37,407	6,835	8,231	0	0	0	0
East South Central	64,790	79,884	-18.9%	62,399	77,482	2,089	2,029	0	0	302	373
Alabama	15,871	20,128	-21.1%	15,871	20,111	0	0	0	0	0	17
Kentucky	33,582	41,032	-18.2%	33,582	41,032	0	0	0	0	0	0
Mississippi	3,755	3,890	-3.5%	1,666	1,861	2,089	2,029	0	0	0	0
Tennessee	11,581	14,834	-21.9%	11,279	14,478	0	0	0	0	302	356
West South Central	77,623	103,216	-24.8%	38,071	55,962	39,459	47,133	0	0	92	121
Arkansas	11,989	18,098	-33.8%	9,733	15,215	2,231	2,852	0	0	26	31
Louisiana	3,326	6,281	-47.0%	3,148	4,967	178	1,313	0	0	0	0
Oklahoma	4,458	7,087	-37.1%	4,393	6,997	0	0	0	0	67	90
Texas	57,848	71,750	-19.4%	20,798	28,783	37,050	42,967	0	0	0	0
Mountain	83,207	105,972	-21.5%	75,065	93,851	7,859	11,832	0	0	283	288
Arizona	9,880	19,036	-48.1%	9,880	19,036	0	0	0	0	0	0
Colorado	14,729	18,550	-20.6%	14,729	18,546	0	0	0	0	0	4
Idaho	15	13	15.3%	0	0	0	0	0	0	15	13
Montana	6,521	10,458	-37.6%	155	215	6,360	10,238	0	0	7	5
Nevada	1,548	2,101	-26.3%	787	1,344	761	756	0	0	0	0
New Mexico	10,069	11,123	-9.5%	10,069	11,123	0	0	0	0	0	0
Utah	16,082	18,266	-12.0%	15,858	17,959	223	307	0	0	0	0
Wyoming	24,363	26,425	-7.8%	23,586	25,628	516	531	0	0	262	266
Pacific Contiguous	4,453	6,634	-32.9%	1,519	1,757	2,705	4,701	0	0	230	176
California	210	159	31.9%	0	0	0	0	0	0	210	159
Oregon	1,519	1,757	-13.5%	1,519	1,757	0	0	0	0	0	0
Washington	2,724	4,718	-42.3%	0	0	2,705	4,701	0	0	20	17
Pacific Noncontiguous	1,377	1,459	-5.6%	290	301	1,004	1,092	83	66	0	0
Alaska	529	500	5.7%	290	301	155	133	83	66	0	0
Hawaii	849	959	-11.5%	0	0	849	959	0	0	0	0
U.S. Total	573,646	750,049	-23.5%	436,912	564,568	132,501	180,742	173	197	4,080	4,543

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 2020 are preliminary. Values for 2019 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.

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Table 1.5 A. Utility Scale Facility Net Generation from Petroleum Liquids
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	6	5	10.1%	1	1	2	2	1	1	1	1
Connecticut	1	1	116.4%	0	0	1	0	0	0	0	0
Maine	2	3	-37.2%	0	0	1	2	0	0	1	1
Massachusetts	1	1	51.4%	1	0	NM	0	NM	0	0	0
New Hampshire	1	1	-19.9%	0	0	NM	0	0	1	0	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	NM	0
Vermont	NM	0	NM	NM	0	0	0	0	0	0	0
Middle Atlantic	10	6	72.0%	6	1	2	3	1	0	0	1
New Jersey	NM	1	NM	0	0	NM	1	NM	0	0	0
New York	7	2	297.4%	6	1	0	0	NM	0	0	0
Pennsylvania	2	3	-17.2%	0	0	2	2	0	0	0	1
East North Central	18	39	-54.3%	11	28	6	9	NM	0	1	1
Illinois	2	3	-31.1%	0	1	2	3	NM	0	0	0
Indiana	4	10	-60.0%	4	10	0	0	0	0	0	1
Michigan	4	10	-60.0%	4	9	0	0	NM	0	0	0
Ohio	5	12	-55.7%	1	5	5	7	0	0	0	0
Wisconsin	NM	3	NM	NM	3	0	0	NM	0	NM	0
West North Central	25	28	-11.6%	24	27	NM	1	0	0	0	0
Iowa	9	6	47.6%	9	6	NM	0	0	0	0	0
Kansas	5	9	-47.9%	5	9	0	0	0	0	0	0
Minnesota	2	5	-49.4%	2	4	NM	1	NM	0	0	0
Missouri	6	5	15.1%	6	5	0	0	0	0	0	0
Nebraska	NM	1	NM	NM	1	0	0	0	0	0	0
North Dakota	2	2	22.9%	2	2	0	0	0	0	0	0
South Dakota	NM	1	NM	NM	1	0	0	NM	0	0	0
South Atlantic	86	80	7.0%	61	56	13	11	5	7	7	6
Delaware	NM	0	NM	0	0	NM	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	21	22	-6.0%	19	21	0	0	0	0	2	1
Georgia	6	9	-32.2%	3	4	NM	0	0	1	3	3
Maryland	5	6	-22.9%	1	0	4	6	NM	0	0	0
North Carolina	7	10	-32.5%	6	9	NM	0	NM	0	NM	1
South Carolina	4	6	-32.5%	4	6	0	0	0	0	0	0
Virginia	29	15	95.3%	17	5	7	4	5	6	NM	0
West Virginia	13	11	17.2%	13	11	0	0	0	0	0	0
East South Central	10	17	-40.9%	9	16	NM	0	0	0	NM	1
Alabama	NM	1	NM	NM	1	NM	0	0	0	NM	1
Kentucky	4	5	-26.6%	4	5	0	0	0	0	0	0
Mississippi	0	1	-83.3%	0	1	0	0	0	0	0	0
Tennessee	6	10	-42.0%	5	9	0	0	0	0	0	0
West South Central	10	7	39.8%	9	6	NM	1	0	0	NM	1
Arkansas	2	2	9.8%	2	1	0	0	0	0	NM	0
Louisiana	NM	1	NM	NM	1	0	0	0	0	0	0
Oklahoma	2	2	6.4%	2	2	0	0	0	0	0	0
Texas	5	3	78.3%	4	3	NM	0	0	0	0	0
Mountain	23	28	-15.8%	22	27	1	0	NM	0	0	0
Arizona	5	4	14.0%	5	4	0	0	NM	0	0	0
Colorado	NM	1	NM	NM	1	0	0	0	0	0	0
Idaho	0	0	-100.0%	0	0	0	0	0	0	0	0
Montana	1	0	162.6%	NM	0	1	0	0	0	0	0
Nevada	1	1	-40.0%	0	1	0	0	0	0	0	0
New Mexico	7	14	-48.7%	7	14	0	0	0	0	0	0
Utah	4	3	36.5%	4	3	0	0	0	0	0	0
Wyoming	5	4	32.0%	5	4	0	0	0	0	0	0
Pacific Contiguous	6	5	23.8%	4	3	1	1	NM	0	1	0
California	4	3	22.7%	3	3	1	0	0	0	0	0
Oregon	NM	0	NM	NM	0	0	0	NM	0	0	0
Washington	2	1	40.4%	1	0	NM	1	0	0	NM	0
Pacific Noncontiguous	602	717	-16.1%	469	537	117	156	0	1	16	23
Alaska	74	90	-18.6%	69	85	NM	0	NM	0	4	5
Hawaii	528	627	-15.7%	400	452	116	156	0	1	11	18
U.S. Total	795	931	-14.7%	616	702	144	186	8	10	26	34

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 2020 are preliminary. Values for 2019 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.

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

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	74	138	-46.4%	14	16	37	81	15	29	8	12
Connecticut	9	10	11.7%	4	4	5	2	0	3	0	2
Maine	21	26	-19.9%	0	0	13	16	1	2	7	9
Massachusetts	27	75	-64.5%	5	4	15	57	6	14	0	1
New Hampshire	13	19	-30.9%	5	8	NM	2	8	0	0	0
Rhode Island	4	7	-49.0%	0	0	NM	5	1	2	NM	0
Vermont	1	1	7.1%	1	1	0	0	0	0	0	0
Middle Atlantic	226	650	-65.2%	77	209	133	410	8	12	8	19
New Jersey	23	52	-55.2%	0	1	22	48	0	2	0	1
New York	149	466	-68.1%	77	208	63	238	5	8	4	13
Pennsylvania	54	133	-59.0%	0	0	47	124	3	2	4	6
East North Central	292	373	-21.8%	193	233	92	127	1	2	5	11
Illinois	22	33	-34.5%	5	6	17	27	0	0	0	0
Indiana	82	100	-17.8%	81	94	0	0	0	NM	1	5
Michigan	71	76	-6.2%	69	73	0	0	NM	1	2	2
Ohio	86	123	-30.3%	10	27	75	93	0	0	1	3
Wisconsin	31	42	-24.5%	30	34	1	7	NM	0	NM	0
West North Central	310	333	-6.7%	301	323	5	7	3	2	1	1
Iowa	115	121	-4.7%	113	118	2	3	0	0	0	0
Kansas	59	56	3.9%	59	56	0	0	0	0	0	0
Minnesota	34	34	-0.7%	27	27	NM	4	3	2	1	1
Missouri	61	71	-14.5%	61	71	0	0	0	0	0	0
Nebraska	11	13	-18.8%	11	13	0	0	0	0	0	0
North Dakota	24	27	-10.8%	24	27	0	0	0	0	0	0
South Dakota	7	10	-28.3%	7	10	0	0	NM	0	0	0
South Atlantic	657	956	-31.2%	478	737	99	131	35	33	46	55
Delaware	9	18	-48.1%	0	0	9	18	0	0	0	0
District of Columbia	0	0	-	0	0	0	0	0	0	0	0
Florida	161	267	-39.4%	147	253	3	1	0	0	12	13
Georgia	26	81	-67.7%	3	45	NM	3	1	3	21	30
Maryland	58	57	0.7%	0	0	57	58	NM	1	0	1
North Carolina	95	152	-37.2%	86	142	2	4	NM	1	6	6
South Carolina	44	60	-26.2%	39	53	1	2	0	0	4	5
Virginia	152	224	-32.5%	91	148	25	46	33	28	3	2
West Virginia	111	97	15.1%	111	96	0	1	0	0	0	0
East South Central	141	189	-25.3%	134	178	1	2	0	0	6	9
Alabama	6	15	-56.4%	3	9	1	1	0	0	3	5
Kentucky	42	43	-1.9%	42	43	0	0	0	0	0	0
Mississippi	5	12	-55.7%	3	10	0	0	0	0	2	2
Tennessee	87	119	-26.8%	86	117	0	0	0	0	1	2
West South Central	93	104	-11.1%	71	77	20	21	0	0	2	6
Arkansas	28	32	-12.4%	22	20	7	10	0	0	NM	2
Louisiana	10	13	-25.2%	10	13	0	0	0	0	0	0
Oklahoma	15	17	-9.9%	15	16	0	0	0	0	1	1
Texas	39	42	-5.9%	24	27	13	11	0	0	1	2
Mountain	246	266	-7.7%	238	255	8	11	NM	0	0	0
Arizona	28	47	-39.7%	28	47	0	0	NM	0	0	0
Colorado	6	7	-13.3%	6	7	0	0	0	0	0	0
Idaho	0	0	-75.6%	0	0	0	0	0	0	0	0
Montana	6	10	-42.0%	NM	1	5	8	0	0	0	0
Nevada	4	10	-55.6%	3	8	1	2	0	0	0	0
New Mexico	139	133	4.2%	139	133	0	0	0	0	0	0
Utah	30	28	7.0%	28	27	2	1	0	0	0	0
Wyoming	32	31	4.5%	32	31	0	0	0	0	0	0
Pacific Contiguous	59	55	6.3%	32	32	12	8	1	1	13	15
California	37	37	0.9%	25	26	6	2	0	0	6	8
Oregon	4	5	-22.0%	3	4	0	0	NM	0	0	0
Washington	18	14	29.6%	4	1	7	6	0	0	NM	7
Pacific Noncontiguous	5,240	5,702	-8.1%	4,101	4,256	961	1,245	7	8	171	193
Alaska	729	636	14.6%	688	594	2	2	4	4	37	36
Hawaii	4,510	5,065	-11.0%	3,413	3,662	959	1,243	5	4	133	157
U.S. Total	7,337	8,766	-16.3%	5,640	6,316	1,367	2,042	70	88	261	321

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 2020 are preliminary. Values for 2019 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.

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Table 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke
by State, by Sector, September 2020 and 2019 (Thousand Megawatt-hours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
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	6	-10.2%	0	0	0	0	0	0	5	6
New Jersey	5	6	-8.5%	0	0	0	0	0	0	5	6
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	-100.0%	0	0	0	0	0	0	0	0
East North Central	151	109	38.4%	47	52	89	41	0	0	14	15
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	53	59	-9.9%	39	44	0	0	0	0	14	15
Ohio	89	42	114.0%	0	0	89	41	0	0	0	1
Wisconsin	8	8	1.5%	8	8	0	0	0	0	0	0
West North Central	7	4	84.9%	0	0	0	0	0	0	7	4
Iowa	7	4	84.9%	0	0	0	0	0	0	7	4
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	99	108	8.2%	89	100	0	0	0	0	NM	8
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	89	100	-11.5%	89	100	0	0	0	0	0	0
Georgia	NM	8	NM	0	0	0	0	0	0	NM	8
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	161	318	-49.5%	153	308	0	0	0	0	8	11
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	153	313	-51.0%	153	308	0	0	0	0	0	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	8	6	39.8%	0	0	0	0	0	0	8	6
Mountain	34	35	-4.5%	0	0	34	35	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	34	35	-4.5%	0	0	34	35	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	457	581	-21.3%	289	460	123	77	0	0	45	44

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

Notes: See Glossary for definitions. Values for 2020 are preliminary. Values for 2019 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.

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

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 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	29	79	-63.5%	0	0	0	0	0	0	29	79
New Jersey	29	51	-43.1%	0	0	0	0	0	0	29	51
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	28	-100.0%	0	0	0	0	0	0	0	28
East North Central	1,424	1,353	5.3%	631	627	676	616	0	0	117	109
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	677	664	2.1%	560	558	0	0	0	0	117	106
Ohio	676	620	9.1%	0	0	676	616	0	0	0	3
Wisconsin	71	69	2.3%	71	69	0	0	0	0	0	0
West North Central	52	72	-27.8%	0	0	0	0	2	4	49	68
Iowa	52	72	-27.8%	0	0	0	0	2	4	49	68
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	1,364	1,061	28.6%	1,200	956	0	0	0	0	164	105
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	1,200	956	25.5%	1,200	956	0	0	0	0	0	0
Georgia	164	105	56.3%	0	0	0	0	0	0	164	105
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	2,803	2,901	-3.4%	2,735	2,817	0	0	0	0	68	84
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	2,735	2,828	-3.3%	2,735	2,817	0	0	0	0	0	11
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	68	73	-7.2%	0	0	0	0	0	0	68	73
Mountain	333	356	-6.6%	0	0	333	356	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	333	356	-6.6%	0	0	333	356	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	6,004	5,822	3.1%	4,565	4,400	1,009	973	2	4	428	446

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 2020 are preliminary. Values for 2019 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.

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Table 1.7 A Utility Scale Facility Net Generation from Natural Gas
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	4,379	3,825	14.5%	NM	7	4,158	3,604	92	83	117	131
Connecticut	1,966	1,704	15.4%	4	4	1,881	1,606	35	37	47	57
Maine	131	158	-17.4%	0	0	88	116	3	3	39	39
Massachusetts	1,117	1,023	9.1%	NM	2	1,046	964	48	38	16	20
New Hampshire	426	318	33.7%	2	1	420	314	1	1	2	3
Rhode Island	740	621	19.2%	0	0	722	604	5	5	13	13
Vermont	0	0	NM	0	0	0	0	0	0	0	0
Middle Atlantic	18,762	16,528	13.5%	881	675	17,583	15,546	99	103	199	203
New Jersey	2,394	3,462	-30.9%	NM	18	2,329	3,385	18	23	37	36
New York	4,917	4,023	22.2%	871	656	3,935	3,252	72	70	39	45
Pennsylvania	11,451	9,043	26.6%	0	1	11,319	8,909	9	11	123	122
East North Central	11,980	13,158	-9.0%	3,459	4,277	8,080	8,457	120	122	320	303
Illinois	1,629	1,720	-5.3%	144	90	1,407	1,562	27	24	51	43
Indiana	2,382	2,796	-14.8%	1,081	1,200	1,152	1,438	18	20	131	138
Michigan	2,509	2,726	-8.0%	588	1,032	1,822	1,599	50	49	49	46
Ohio	4,204	4,262	-1.4%	608	509	3,555	3,715	20	22	22	15
Wisconsin	1,255	1,655	-24.2%	1,038	1,445	144	142	5	6	67	61
West North Central	2,370	3,299	-28.1%	1,888	2,659	385	543	30	30	67	66
Iowa	467	738	-36.8%	424	679	0	0	9	10	34	48
Kansas	185	285	-35.1%	164	282	0	0	0	0	21	3
Minnesota	723	1,113	-35.0%	483	781	224	314	8	8	9	10
Missouri	693	859	-19.4%	517	615	161	229	12	12	2	3
Nebraska	96	111	-13.9%	96	111	0	0	0	0	0	0
North Dakota	119	139	-14.3%	118	139	0	0	0	0	1	1
South Dakota	87	53	64.1%	87	51	0	0	0	0	0	2
South Atlantic	33,456	36,455	-8.2%	27,664	30,184	5,286	5,737	95	94	411	440
Delaware	389	416	-6.3%	3	2	317	313	0	0	68	101
Distict of Columbia	14	10	42.5%	0	0	0	0	14	10	0	0
Florida	17,008	17,952	5.3%	16,221	17,012	660	797	2	2	124	141
Georgia	4,600	5,418	-15.1%	3,741	4,073	808	1,297	0	0	51	47
Maryland	1,045	1,095	-4.5%	100	112	871	909	72	70	3	4
North Carolina	3,257	3,679	-11.5%	2,545	2,912	691	740	NM	12	12	15
South Carolina	2,028	2,294	11.6%	1,947	2,140	66	144	0	0	15	11
Virginia	4,955	5,278	-6.1%	3,105	3,879	1,772	1,341	0	0	79	58
West Virginia	162	314	-48.5%	2	54	101	197	0	0	58	63
East South Central	11,641	13,835	-15.9%	8,050	10,010	3,302	3,506	18	20	271	299
Alabama	5,051	5,685	-11.1%	1,657	2,090	3,288	3,462	0	0	106	133
Kentucky	800	1,516	-47.2%	769	1,458	11	42	0	0	19	16
Mississippi	4,490	4,909	-8.5%	4,448	4,866	1	0	0	0	42	42
Tennessee	1,301	1,726	-24.6%	1,176	1,597	2	1	18	20	106	107
West South Central	33,452	39,008	-14.2%	11,371	13,067	16,872	19,896	86	93	5,123	5,953
Arkansas	1,067	1,946	-45.2%	940	1,811	106	112	NM	4	18	20
Louisiana	5,672	6,222	-8.8%	3,551	3,432	258	510	17	16	1,846	2,264
Oklahoma	3,739	4,414	-15.3%	2,246	2,667	1,461	1,713	0	0	33	34
Texas	22,974	26,426	-13.1%	4,634	5,157	15,048	17,560	65	73	3,227	3,636
Mountain	11,996	10,922	9.8%	9,733	8,726	2,081	2,041	34	36	149	118
Arizona	5,096	4,774	6.7%	3,972	3,590	1,112	1,173	13	11	0	0
Colorado	1,532	1,359	12.7%	1,246	1,201	284	156	0	0	2	2
Idaho	387	418	-7.3%	240	231	131	170	3	3	14	13
Montana	30	44	-32.4%	24	31	6	13	0	0	0	0
Nevada	2,712	2,428	11.7%	2,475	2,209	188	188	6	6	44	25
New Mexico	1,149	1,114	3.2%	780	769	360	335	9	10	0	0
Utah	974	702	38.6%	942	666	0	6	4	6	28	25
Wyoming	115	83	39.3%	54	29	0	0	0	0	61	54
Pacific Contiguous	13,200	12,491	5.7%	5,011	5,136	7,110	6,242	136	151	943	962
California	9,761	8,468	15.3%	3,081	2,764	5,658	4,655	133	147	888	901
Oregon	1,901	2,134	-10.9%	911	1,129	980	997	3	4	7	4
Washington	1,538	1,889	-18.6%	1,019	1,242	472	590	0	0	47	57
Pacific Noncontiguous	170	167	1.8%	168	161	0	0	0	0	2	6
Alaska	170	167	1.8%	168	161	0	0	0	0	2	6
Hawaii	0	0	-	0	0	0	0	0	0	0	0
U.S. Total	141,407	149,688	-5.5%	68,236	74,902	64,858	65,571	710	731	7,602	8,483

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 2020 are preliminary. Values for 2019 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.

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Table 17B Utility Scale Facility Net Generation from Natural Gas

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	38,872	37,298	4.2%	220	124	36,706	35,207	793	798	1,153	1,169
Connecticut	18,009	15,939	13.0%	27	40	17,197	15,086	302	324	483	489
Maine	1,436	1,400	2.6%	0	0	1,034	1,023	24	23	378	354
Massachusetts	10,733	11,967	-10.3%	177	80	9,974	11,289	422	404	161	194
New Hampshire	2,963	2,584	14.6%	14	4	2,921	2,549	7	9	20	22
Rhode Island	5,729	5,406	6.0%	0	0	5,590	5,259	38	37	111	110
Vermont	2	1	11.3%	1	1	0	0	1	1	0	0
Middle Atlantic	157,807	140,452	12.4%	8,412	7,810	146,699	129,762	861	928	1,836	1,952
New Jersey	24,143	30,543	-21.0%	115	123	23,551	29,912	146	188	331	320
New York	41,173	36,659	12.3%	8,294	7,683	31,819	27,910	626	634	435	432
Pennsylvania	92,491	73,250	26.3%	3	4	91,329	71,940	89	106	1,070	1,201
East North Central	128,657	119,284	7.9%	42,888	38,226	81,378	76,956	1,055	1,076	3,335	3,026
Illinois	19,501	16,363	19.2%	2,598	1,070	16,240	14,654	253	253	410	386
Indiana	24,971	23,305	7.1%	10,777	9,411	12,418	12,272	143	151	1,632	1,472
Michigan	27,109	25,408	6.7%	8,870	8,636	17,329	15,875	440	455	470	441
Ohio	40,543	39,139	3.6%	5,764	5,743	34,401	33,042	166	174	212	179
Wisconsin	16,534	15,069	9.7%	14,879	13,366	990	1,113	53	41	612	548
West North Central	26,461	27,240	-2.9%	21,421	22,415	4,184	3,964	261	266	596	596
Iowa	5,449	5,944	-8.3%	5,021	5,444	NM	0	84	87	343	414
Kansas	2,201	2,340	-5.9%	2,077	2,282	0	0	0	0	124	58
Minnesota	8,918	9,411	-5.2%	6,519	7,327	2,235	1,921	76	75	88	87
Missouri	6,484	6,318	2.6%	4,410	4,153	1,948	2,043	98	100	28	22
Nebraska	1,220	1,123	8.7%	1,217	1,119	0	0	3	4	0	0
North Dakota	1,170	1,142	2.5%	1,157	1,135	0	0	0	0	13	7
South Dakota	1,020	963	5.9%	1,020	954	0	0	0	0	0	9
South Atlantic	307,363	296,514	3.7%	253,158	244,754	49,339	47,003	908	985	3,958	3,773
Delaware	3,936	3,980	-1.1%	21	25	3,111	3,115	0	0	804	840
District of Columbia	98	81	21.3%	0	0	0	0	98	81	0	0
Florida	145,357	140,070	3.8%	138,320	133,356	5,777	5,461	18	15	1,242	1,239
Georgia	44,765	43,980	1.8%	33,956	33,297	10,332	10,297	0	0	478	386
Maryland	10,831	11,587	-6.5%	2,329	3,162	7,761	7,585	705	787	36	53
North Carolina	31,838	31,320	1.7%	25,354	24,605	6,278	6,507	79	92	127	115
South Carolina	19,119	18,409	3.9%	18,494	17,531	484	785	0	0	142	93
Virginia	49,422	45,535	8.5%	34,616	32,576	14,153	12,382	7	10	645	568
West Virginia	1,996	1,552	28.6%	68	202	1,444	871	0	0	484	479
East South Central	106,680	106,040	0.6%	76,425	76,029	27,614	27,262	164	156	2,477	2,593
Alabama	42,763	44,326	-3.5%	14,628	16,207	27,166	26,970	0	0	969	1,149
Kentucky	10,893	11,314	-3.7%	10,285	10,864	432	276	0	0	176	173
Mississippi	41,002	37,231	10.1%	40,605	36,855	4	2	0	0	393	374
Tennessee	12,022	13,170	-8.7%	10,907	12,103	13	13	164	156	939	897
West South Central	298,723	302,733	-1.3%	106,773	105,069	141,779	145,416	667	710	49,504	51,539
Arkansas	12,914	16,718	-22.8%	11,752	15,482	952	978	30	32	179	226
Louisiana	54,316	54,081	0.4%	32,511	29,592	2,808	3,769	138	122	18,859	20,598
Oklahoma	35,924	34,243	4.9%	23,038	21,527	12,520	12,418	0	0	367	298
Texas	195,568	197,690	-1.1%	39,471	38,468	125,499	128,251	499	555	30,099	30,417
Mountain	94,829	87,055	8.9%	76,726	70,135	16,610	15,556	295	317	1,188	1,047
Arizona	38,513	34,266	12.4%	29,911	25,942	8,500	8,221	103	104	0	0
Colorado	14,485	12,961	11.8%	12,294	11,115	2,168	1,829	6	1	17	15
Idaho	3,105	3,044	2.0%	1,748	1,660	1,225	1,261	30	29	102	93
Montana	293	376	-22.0%	256	259	36	116	0	0	NM	1
Nevada	20,683	19,527	5.9%	18,747	17,628	1,629	1,612	45	49	262	239
New Mexico	9,573	8,919	7.3%	6,476	6,373	3,013	2,462	73	80	11	4
Utah	7,073	7,247	-2.4%	6,761	6,866	38	54	39	54	235	273
Wyoming	1,103	715	54.3%	534	293	1	1	0	0	568	421
Pacific Contiguous	89,158	86,385	3.2%	35,229	34,639	44,326	41,935	1,193	1,308	8,409	8,502
California	65,058	60,124	8.2%	21,042	19,876	35,096	31,057	1,150	1,269	7,770	7,923
Oregon	13,531	15,032	-10.0%	6,855	7,486	6,551	7,464	35	33	90	49
Washington	10,569	11,229	-5.9%	7,332	7,277	2,679	3,414	9	7	549	531
Pacific Noncontiguous	1,746	2,040	-14.4%	1,700	1,986	0	0	0	0	45	53
Alaska	1,746	2,040	-14.4%	1,700	1,986	0	0	0	0	45	53
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,250,296	1,205,042	3.8%	622,951	601,188	548,635	523,062	6,198	6,542	72,512	74,250

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 2020 are preliminary. Values for 2019 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.C. Utility Scale Facility Net Generation from Natural Gas by Technology: Total (All Sectors), 2010-September 2020
(Thousand Megawatthours)

Natural Gas						
Period	Natural Gas Fired Combined Cycle	Natural Gas Fired Combustion Turbine	Steam Turbine	Internal Combustion Engine	Natural Gas Other	Total
Annual Factors						
2010	804,033	85,820	96,332	1,490	22	987,697
2011	828,554	85,392	97,578	2,125	40	1,013,689
2012	1,017,040	98,446	108,285	1,986	138	1,225,894
2013	947,172	91,272	83,746	2,328	317	1,124,836
2014	958,921	90,159	74,100	2,921	508	1,126,609
2015	1,130,617	108,655	89,796	3,760	654	1,333,482
2016	1,152,245	123,429	98,204	3,714	715	1,378,307
2017	1,094,952	111,732	84,520	4,370	869	1,296,442
2018	1,231,946	132,866	98,017	5,203	1,101	1,469,133
2019	1,342,027	129,394	106,113	6,655	1,527	1,585,717
Year 2018						
January	93,426	10,362	6,045	382	77	110,293
February	86,046	8,021	4,015	352	77	98,512
March	90,850	9,834	5,356	395	88	106,524
April	82,423	9,766	5,761	348	73	98,371
May	94,192	10,839	9,763	421	68	115,284
June	108,641	11,513	10,170	424	79	130,826
July	133,649	15,618	14,735	630	116	164,749
August	133,733	14,426	12,809	587	122	161,676
Sept	118,249	12,775	10,195	465	102	141,786
October	102,793	11,156	8,654	428	111	123,142
November	91,899	9,822	5,963	389	94	108,168
December	96,044	8,733	4,551	381	92	109,802
Year 2019						
January	106,334	9,264	5,421	448	115	121,582
February	98,163	8,615	4,790	457	110	112,135
March	99,609	8,931	6,638	514	113	115,806
April	87,342	9,171	7,000	445	95	104,053
May	97,486	9,982	9,038	458	89	117,053
June	116,486	10,601	10,114	519	108	137,828
July	141,523	14,569	14,940	746	164	171,942
August	143,822	14,479	15,729	756	169	174,955
Sept	124,789	12,150	11,986	623	140	149,688
October	109,327	11,413	9,492	575	134	130,941
November	101,425	10,324	5,438	578	139	117,904
December	115,721	9,896	5,527	534	151	131,830
Year 2020						
January	117,691	8,629	6,385	440	9	133,154
February	110,750	8,341	6,046	409	8	125,554
March	106,328	9,431	7,363	523	10	123,654
April	93,401	7,602	6,503	413	9	107,929
May	98,828	8,886	7,686	446	9	115,855
June	118,611	13,022	10,958	577	11	143,180
July	145,372	21,929	17,263	858	13	185,433
August	142,029	16,698	14,587	808	7	174,130
Sept	119,668	10,914	10,237	582	5	141,407

Values for 2019 and prior years are final. Values for 2020 are preliminary.

The 'Natural Gas Other' category consists of power plants with prime movers of Fuel Cells and Other Prime Movers that consume natural gas.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report, U.S. Energy Information Administration, Form EIA-906, Power Plant Report, U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report, Form EIA-920, Combined Heat and Power Plant Report.

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Table 1 8 A. Utility Scale Facility Net Generation from Other Gases
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
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	44	68	-35.0%	0	0	0	0	0	0	44	68
New Jersey	15	18	-16.7%	0	0	0	0	0	0	15	18
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	29	50	-41.6%	0	0	0	0	0	0	29	50
East North Central	347	411	-15.5%	0	10	180	196	0	0	167	205
Illinois	19	16	17.3%	0	0	0	0	0	0	19	16
Indiana	134	179	-24.9%	0	0	0	0	0	0	134	179
Michigan	137	147	-7.1%	0	10	137	138	0	0	0	0
Ohio	57	68	-16.9%	0	0	43	59	0	0	14	10
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	3	4	-31.8%	0	0	0	0	0	0	3	4
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	3	4	31.8%	0	0	0	0	0	0	3	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	15	22	-30.0%	0	0	0	0	0	0	15	22
Delaware	12	19	-38.1%	0	0	0	0	0	0	12	19
Distict of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	40.9%	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	3	2	32.5%	0	0	0	0	0	0	3	2
East South Central	1	1	-13.5%	0	0	0	0	0	0	1	1
Alabama	0	0	-67.5%	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	1	-4.3%	0	0	0	0	0	0	1	1
West South Central	344	415	-17.2%	0	0	116	135	0	0	227	280
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	148	179	-17.3%	0	0	0	0	0	0	148	179
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	196	236	-17.1%	0	0	116	135	0	0	80	101
Mountain	34	32	7.5%	0	0	0	1	0	0	34	31
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	1	-32.1%	0	0	0	1	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	-48.8%	0	0	0	0	0	0	1	2
Wyoming	33	29	13.1%	0	0	0	0	0	0	33	29
Pacific Contiguous	159	159	0.0%	0	0	0	0	0	0	159	159
California	133	124	7.3%	0	0	0	0	0	0	133	124
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	25	34	-26.3%	0	0	0	0	0	0	25	34
Pacific Noncontiguous	0	0	-100.0%	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	-100.0%	0	0	0	0	0	0	0	0
U.S. Total	947	1,112	-14.8%	0	10	297	332	0	0	650	770

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 2020 are preliminary. Values for 2019 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.

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Table 1 8 B Utility Scale Facility Net Generation from Other Gases

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 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	450	524	-14.2%	0	0	26	0	0	0	424	524
New Jersey	148	159	-7.0%	0	0	0	0	0	0	148	159
New York	0	2	-100.0%	0	0	0	0	0	0	0	2
Pennsylvania	301	363	-16.9%	0	0	26	0	0	0	276	363
East North Central	2,680	3,623	-26.0%	47	132	980	1,744	0	0	1,653	1,746
Illinois	224	193	22.8%	0	0	0	0	0	0	224	183
Indiana	1,325	1,448	-8.5%	0	0	0	0	0	0	1,325	1,448
Michigan	673	1,365	-50.7%	47	132	627	1,233	0	0	0	0
Ohio	458	627	-26.9%	0	0	354	511	0	0	104	116
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	29	38	-24.2%	0	0	0	0	0	0	29	38
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	29	38	-24.2%	0	0	0	0	0	0	29	38
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	161	183	-12.0%	0	0	0	0	0	0	161	183
Delaware	126	151	-16.2%	0	0	0	0	0	0	126	151
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-26.9%	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	34	32	8.0%	0	0	0	0	0	0	34	32
East South Central	11	11	-4.9%	0	0	0	0	0	0	11	11
Alabama	NM	2	NM	0	0	0	0	0	0	NM	2
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	9	9	-0.9%	0	0	0	0	0	0	9	9
West South Central	3,293	3,552	-7.3%	0	0	1,155	1,284	0	0	2,139	2,267
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,348	1,399	3.7%	0	0	0	0	0	0	1,348	1,399
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,946	2,152	-9.6%	0	0	1,155	1,284	0	0	791	868
Mountain	306	205	49.4%	0	0	9	7	0	0	298	198
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	9	7	24.3%	0	0	9	7	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	5	14	-63.6%	0	0	0	0	0	0	5	14
Wyoming	292	184	59.2%	0	0	0	0	0	0	292	184
Pacific Contiguous	1,426	1,374	3.8%	0	0	0	0	0	0	1,426	1,374
California	1,194	1,140	4.7%	0	0	0	0	0	0	1,194	1,140
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	232	234	0.6%	0	0	0	0	0	0	232	234
Pacific Noncontiguous	3	4	-31.9%	0	0	0	0	0	0	3	4
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	3	4	-31.9%	0	0	0	0	0	0	3	4
U.S. Total	8,359	9,513	-12.1%	47	132	2,170	3,036	0	0	6,143	6,346

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 2020 are preliminary. Values for 2019 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.

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Table 1-9 A. Utility Scale Facility Net Generation from Nuclear Energy
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	2,389	2,380	0.4%	0	0	2,389	2,380	0	0	0	0
Connecticut	1,493	1,486	0.4%	0	0	1,493	1,486	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	897	894	0.3%	0	0	897	894	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	11,659	13,018	-10.4%	0	0	11,659	13,018	0	0	0	0
New Jersey	2,520	2,317	8.8%	0	0	2,520	2,317	0	0	0	0
New York	2,711	3,917	-30.8%	0	0	2,711	3,917	0	0	0	0
Pennsylvania	6,428	6,784	-5.3%	0	0	6,428	6,784	0	0	0	0
East North Central	12,714	12,895	-1.4%	1,943	2,275	10,771	10,620	0	0	0	0
Illinois	8,361	7,748	7.9%	0	0	8,361	7,748	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,943	2,847	-31.8%	1,943	2,275	0	572	0	0	0	0
Ohio	1,546	1,433	7.9%	0	0	1,546	1,433	0	0	0	0
Wisconsin	864	867	-0.3%	0	0	864	867	0	0	0	0
West North Central	3,059	3,596	-14.9%	3,059	3,167	0	429	0	0	0	0
Iowa	0	429	-100.0%	0	0	0	429	0	0	0	0
Kansas	871	570	52.8%	871	570	0	0	0	0	0	0
Minnesota	1,023	1,173	-12.8%	1,023	1,173	0	0	0	0	0	0
Missouri	749	855	-12.4%	749	855	0	0	0	0	0	0
Nebraska	416	568	-26.8%	416	568	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	16,606	16,066	3.4%	15,344	14,802	1,262	1,265	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	2,626	2,273	15.5%	2,626	2,273	0	0	0	0	0	0
Georgia	2,608	2,753	-5.3%	2,608	2,753	0	0	0	0	0	0
Maryland	1,262	1,265	0.2%	0	0	1,262	1,265	0	0	0	0
North Carolina	3,337	3,526	5.4%	3,337	3,526	0	0	0	0	0	0
South Carolina	4,613	4,176	10.5%	4,613	4,176	0	0	0	0	0	0
Virginia	2,161	2,073	4.2%	2,161	2,073	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,826	6,642	17.8%	7,826	6,642	0	0	0	0	0	0
Alabama	3,768	3,517	7.1%	3,768	3,517	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	880	944	6.8%	880	944	0	0	0	0	0	0
Tennessee	3,177	2,181	45.7%	3,177	2,181	0	0	0	0	0	0
West South Central	6,211	6,435	-3.5%	2,607	2,854	3,603	3,581	0	0	0	0
Arkansas	1,325	1,310	1.1%	1,325	1,310	0	0	0	0	0	0
Louisiana	1,283	1,544	-16.9%	1,283	1,544	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,603	3,581	0.6%	0	0	3,603	3,581	0	0	0	0
Mountain	2,846	2,839	0.3%	2,846	2,839	0	0	0	0	0	0
Arizona	2,846	2,839	0.3%	2,846	2,839	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	2,417	2,193	10.2%	2,417	2,193	0	0	0	0	0	0
California	1,600	1,370	16.8%	1,600	1,370	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	817	823	-0.7%	817	823	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	65,727	66,064	0.5%	36,043	34,770	29,684	31,294	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 2020 are preliminary. Values for 2019 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.

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Table 1.9 B Utility Scale Facility Net Generation from Nuclear Energy

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	19,512	22,711	-14.1%	0	0	19,512	22,711	0	0	0	0
Connecticut	12,403	12,367	0.3%	0	0	12,403	12,367	0	0	0	0
Maine	0	0	-	0	0	0	0	0	0	0	0
Massachusetts	0	2,177	-100.0%	0	0	0	2,177	0	0	0	0
New Hampshire	7,109	8,167	-12.9%	0	0	7,109	8,167	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	107,142	116,872	-8.3%	0	0	107,142	116,872	0	0	0	0
New Jersey	21,115	20,030	5.4%	0	0	21,115	20,030	0	0	0	0
New York	28,903	33,027	-12.5%	0	0	28,903	33,027	0	0	0	0
Pennsylvania	57,124	63,815	-10.5%	0	0	57,124	63,815	0	0	0	0
East North Central	117,819	118,885	-0.9%	17,415	19,965	100,404	98,920	0	0	0	0
Illinois	74,827	74,280	0.7%	0	0	74,827	74,280	0	0	0	0
Indiana	0	0	-	0	0	0	0	0	0	0	0
Michigan	22,048	25,036	-11.9%	17,415	19,965	4,634	5,071	0	0	0	0
Ohio	13,404	12,205	9.8%	0	0	13,404	12,205	0	0	0	0
Wisconsin	7,540	7,363	2.4%	0	0	7,540	7,363	0	0	0	0
West North Central	34,597	33,735	2.6%	31,692	29,846	2,905	3,889	0	0	0	0
Iowa	2,905	3,889	-25.3%	0	0	2,905	3,889	0	0	0	0
Kansas	7,926	7,659	3.5%	7,926	7,659	0	0	0	0	0	0
Minnesota	11,011	10,548	4.4%	11,011	10,548	0	0	0	0	0	0
Missouri	7,743	6,462	19.8%	7,743	6,462	0	0	0	0	0	0
Nebraska	5,012	5,176	-3.2%	5,012	5,176	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	152,868	153,699	-0.5%	141,753	142,650	11,115	11,049	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	22,460	21,794	3.1%	22,460	21,794	0	0	0	0	0	0
Georgia	23,943	24,552	-2.5%	23,943	24,552	0	0	0	0	0	0
Maryland	11,115	11,049	0.6%	0	0	11,115	11,049	0	0	0	0
North Carolina	31,557	31,268	0.9%	31,557	31,268	0	0	0	0	0	0
South Carolina	41,352	42,755	-3.3%	41,352	42,755	0	0	0	0	0	0
Virginia	22,440	22,281	0.7%	22,440	22,281	0	0	0	0	0	0
West Virginia	0	0	-	0	0	0	0	0	0	0	0
East South Central	65,426	68,857	-5.0%	65,426	68,857	0	0	0	0	0	0
Alabama	33,339	32,634	2.2%	33,339	32,634	0	0	0	0	0	0
Kentucky	0	0	-	0	0	0	0	0	0	0	0
Mississippi	4,659	8,596	45.8%	4,659	8,596	0	0	0	0	0	0
Tennessee	27,428	27,627	-0.7%	27,428	27,627	0	0	0	0	0	0
West South Central	55,886	50,952	9.7%	24,751	19,813	31,135	31,139	0	0	0	0
Arkansas	11,114	10,451	6.3%	11,114	10,451	0	0	0	0	0	0
Louisiana	13,637	9,362	45.7%	13,637	9,362	0	0	0	0	0	0
Oklahoma	0	0	-	0	0	0	0	0	0	0	0
Texas	31,135	31,139	0.0%	0	0	31,135	31,139	0	0	0	0
Mountain	24,580	24,749	-0.7%	24,580	24,749	0	0	0	0	0	0
Arizona	24,580	24,749	-0.7%	24,580	24,749	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	21,095	19,719	7.0%	21,095	19,719	0	0	0	0	0	0
California	14,179	13,414	5.7%	14,179	13,414	0	0	0	0	0	0
Oregon	0	0	-	0	0	0	0	0	0	0	0
Washington	6,915	6,305	9.7%	6,915	6,305	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	598,925	610,178	-1.8%	326,711	325,598	272,214	284,580	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 2020 are preliminary. Values for 2019 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.

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Table 1 10 A Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	549	210	162.2%	72	29	469	178	0	0	NM	3
Connecticut	NM	11	NM	NM	0	NM	11	0	0	0	0
Maine	259	96	170.1%	NM	0	250	93	0	0	NM	3
Massachusetts	68	26	158.8%	NM	5	56	21	0	0	0	0
New Hampshire	100	40	150.3%	NM	10	72	30	0	0	0	0
Rhode Island	0	0	-62.0%	0	0	0	0	0	0	0	0
Vermont	95	37	159.7%	NM	13	63	23	0	0	0	0
Middle Atlantic	2,720	2,856	-4.8%	2,078	2,121	640	732	0	0	NM	3
New Jersey	0	0	21.4%	0	0	0	0	0	0	0	0
New York	2,476	2,569	3.6%	2,076	2,119	397	447	0	0	NM	3
Pennsylvania	245	287	-14.8%	2	2	243	285	0	0	0	0
East North Central	340	408	-16.7%	298	360	31	38	0	0	11	10
Illinois	NM	10	NM	NM	4	NM	6	0	0	0	0
Indiana	NM	20	NM	NM	20	0	0	0	0	0	0
Michigan	109	132	-17.3%	100	122	NM	9	0	0	NM	1
Ohio	NM	32	NM	NM	22	NM	16	0	0	0	0
Wisconsin	176	214	-17.5%	157	192	NM	12	0	0	10	10
West North Central	1,096	1,003	9.2%	1,077	981	16	14	0	0	3	7
Iowa	52	48	6.7%	51	48	1	1	0	0	0	0
Kansas	2	2	14.7%	0	0	2	2	0	0	0	0
Minnesota	66	66	0.5%	50	46	13	12	0	0	3	7
Missouri	160	132	20.8%	160	132	0	0	0	0	0	0
Nebraska	90	81	10.8%	90	81	0	0	0	0	0	0
North Dakota	207	193	7.4%	207	193	0	0	0	0	0	0
South Dakota	518	481	7.8%	518	481	0	0	0	0	0	0
South Atlantic	1,217	809	50.5%	1,101	716	71	68	1	1	44	25
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	8	NM	NM	8	0	0	0	0	0	0
Georgia	291	195	49.1%	289	194	NM	0	0	0	NM	1
Maryland	27	43	-36.6%	0	0	27	43	0	0	0	0
North Carolina	453	291	55.5%	447	288	NM	2	1	1	NM	0
South Carolina	197	123	59.9%	193	121	NM	2	0	0	0	0
Virginia	108	77	41.2%	103	74	NM	3	0	0	0	0
West Virginia	125	71	76.6%	55	30	NM	17	0	0	NM	23
East South Central	1,871	1,606	16.5%	1,871	1,605	NM	1	0	0	0	0
Alabama	740	660	12.2%	740	660	0	0	0	0	0	0
Kentucky	390	292	33.5%	390	292	NM	1	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	741	654	13.3%	741	654	0	0	0	0	0	0
West South Central	803	639	25.7%	690	550	113	89	0	0	0	0
Arkansas	291	242	20.3%	286	236	NM	6	0	0	0	0
Louisiana	105	80	30.8%	0	0	105	80	0	0	0	0
Oklahoma	288	229	25.8%	288	229	0	0	0	0	0	0
Texas	119	87	36.2%	116	84	3	3	0	0	0	0
Mountain	2,205	2,638	-16.4%	2,116	2,532	87	104	2	2	0	0
Arizona	451	505	-10.6%	451	505	0	0	0	0	0	0
Colorado	112	151	-25.8%	96	130	15	19	2	2	0	0
Idaho	688	836	-17.6%	634	770	55	66	0	0	0	0
Montana	670	809	-17.2%	660	797	NM	13	0	0	0	0
Nevada	145	174	-17.0%	139	168	6	6	0	0	0	0
New Mexico	11	13	-11.7%	11	13	0	0	0	0	0	0
Utah	59	70	-16.2%	59	70	0	0	0	0	0	0
Wyoming	68	80	-15.0%	67	80	2	0	0	0	0	0
Pacific Contiguous	8,265	8,246	0.2%	8,126	8,055	139	191	NM	0	0	0
California	1,718	2,796	-38.5%	1,620	2,638	98	157	NM	0	0	0
Oregon	2,093	1,832	14.2%	2,076	1,817	17	15	0	0	0	0
Washington	4,453	3,618	23.1%	4,429	3,599	24	19	0	0	0	0
Pacific Noncontiguous	115	111	4.2%	101	97	1	2	NM	8	NM	4
Alaska	110	105	4.9%	101	96	0	0	NM	8	0	0
Hawaii	6	6	-8.7%	0	0	1	2	0	0	NM	4
U S Total	19,182	18,526	3.5%	17,529	17,045	1,568	1,416	13	12	73	52

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

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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.

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Table 1 10 B Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatt-hours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	6,095	5,934	2.7%	847	823	5,156	5,021	4	4	88	87
Connecticut	330	332	0.7%	22	30	308	302	0	0	0	0
Maine	2,748	2,694	2.0%	NM	3	2,657	2,605	0	0	88	87
Massachusetts	771	751	2.7%	156	145	612	602	4	4	0	0
New Hampshire	1,185	1,126	5.2%	283	280	901	846	0	0	0	0
Rhode Island	3	3	3.7%	0	0	3	3	0	0	0	0
Vermont	1,059	1,028	3.0%	383	366	676	663	0	0	0	0
Middle Atlantic	26,611	25,505	4.3%	19,670	18,998	6,891	6,556	5	5	45	46
New Jersey	12	24	49.2%	0	0	12	24	0	0	0	0
New York	23,836	22,853	4.3%	19,599	18,815	4,187	3,988	5	5	45	46
Pennsylvania	2,763	2,628	5.1%	71	84	2,692	2,544	0	0	0	0
East North Central	4,315	3,722	15.9%	3,812	3,281	401	350	1	1	101	89
Illinois	112	91	22.1%	40	30	71	60	1	1	0	0
Indiana	209	189	10.2%	209	189	0	0	0	0	0	0
Michigan	1,414	1,221	15.8%	1,308	1,128	98	85	0	0	NM	7
Ohio	323	298	8.6%	219	202	105	95	0	0	0	0
Wisconsin	2,257	1,922	17.4%	2,036	1,731	128	109	0	0	93	82
West North Central	13,977	13,173	6.1%	13,716	12,921	207	180	0	0	54	73
Iowa	678	634	6.9%	672	628	6	6	0	0	0	0
Kansas	26	14	92.6%	0	0	26	14	0	0	0	0
Minnesota	881	838	5.1%	652	605	175	160	0	0	54	73
Missouri	1,738	1,774	2.1%	1,738	1,774	0	0	0	0	0	0
Nebraska	1,169	1,069	9.4%	1,169	1,069	0	0	0	0	0	0
North Dakota	2,718	2,535	7.2%	2,718	2,535	0	0	0	0	0	0
South Dakota	6,767	6,310	7.2%	6,767	6,310	0	0	0	0	0	0
South Atlantic	15,287	15,239	0.3%	12,860	12,428	1,957	2,325	13	14	457	472
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	159	172	7.3%	159	172	0	0	0	0	0	0
Georgia	3,302	3,184	3.7%	3,273	3,162	NM	8	0	0	14	14
Maryland	1,454	1,817	-20.0%	0	0	1,454	1,817	0	0	0	0
North Carolina	5,225	5,018	4.1%	5,164	4,962	44	44	11	12	NM	0
South Carolina	2,514	2,421	3.8%	2,458	2,363	53	57	3	2	0	0
Virginia	1,294	1,239	4.5%	1,235	1,177	59	61	0	0	0	0
West Virginia	1,338	1,388	-3.6%	570	593	332	337	0	0	436	458
East South Central	20,737	19,944	4.0%	20,731	19,938	NM	7	0	0	0	0
Alabama	9,317	8,800	5.9%	9,317	8,800	0	0	0	0	0	0
Kentucky	3,417	3,222	6.0%	3,410	3,215	NM	7	0	0	0	0
Mississippi	0	0	-	0	0	0	0	0	0	0	0
Tennessee	8,003	7,922	1.0%	8,003	7,922	0	0	0	0	0	0
West South Central	8,832	9,273	-4.8%	7,712	8,040	1,119	1,232	NM	1	0	0
Arkansas	3,337	3,527	-5.4%	3,293	3,491	45	36	0	0	0	0
Louisiana	1,052	1,164	-9.6%	0	0	1,052	1,164	0	0	0	0
Oklahoma	3,041	3,327	-8.6%	3,041	3,327	0	0	0	0	0	0
Texas	1,401	1,255	11.7%	1,378	1,222	22	31	NM	1	0	0
Mountain	27,403	26,221	4.5%	26,282	25,183	1,109	1,027	12	11	0	0
Arizona	4,965	4,871	1.9%	4,965	4,871	0	0	0	0	0	0
Colorado	1,526	1,477	3.3%	1,320	1,286	194	180	12	11	0	0
Idaho	8,921	8,306	7.4%	8,214	7,650	707	656	0	0	0	0
Montana	8,680	8,042	7.9%	8,547	7,918	133	124	0	0	0	0
Nevada	1,542	1,896	-18.7%	1,483	1,845	59	51	0	0	0	0
New Mexico	142	127	11.4%	142	127	0	0	0	0	0	0
Utah	761	703	8.4%	755	694	7	9	0	0	0	0
Wyoming	866	799	8.4%	857	791	9	8	0	0	0	0
Pacific Contiguous	103,311	107,522	-3.9%	101,744	105,256	1,560	2,253	NM	13	0	0
California	18,167	32,593	-44.3%	17,130	30,793	1,030	1,787	NM	13	0	0
Oregon	25,988	23,390	11.1%	25,769	23,190	219	200	0	0	0	0
Washington	58,156	51,539	14.8%	58,845	51,273	310	266	0	0	0	0
Pacific Noncontiguous	1,490	1,339	11.3%	1,304	1,175	17	15	120	102	50	46
Alaska	1,419	1,269	11.8%	1,299	1,168	0	0	120	102	0	0
Hawaii	71	69	3.0%	5	8	17	15	0	0	50	46
U.S. Total	228,058	227,872	0.1%	208,677	207,942	18,426	18,966	163	152	794	813

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 2020 are preliminary. Values for 2019 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.

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Table 1 11 A. Utility Scale Facility Not Generation from Renewable Sources Excluding Hydroelectric
by State, by Sector, September 2020 and 2019 (Thousand Megawatt-hours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	883	852	3.7%	38	62	738	682	11	12	95	96
Connecticut	77	81	-5.2%	0	0	76	80	NM	0	NM	0
Maine	357	331	8.1%	0	0	260	232	3	3	95	95
Massachusetts	229	216	6.1%	14	10	211	202	4	3	NM	1
New Hampshire	109	112	-2.5%	0	11	106	97	4	4	0	0
Rhode Island	49	34	43.9%	0	0	49	34	1	0	0	0
Vermont	61	78	-21.2%	24	40	37	37	0	0	0	0
Middle Atlantic	1,259	1,036	21.4%	7	7	1,153	929	56	55	41	44
New Jersey	195	174	12.1%	7	7	161	140	26	26	NM	1
New York	617	497	24.1%	0	0	589	465	19	17	10	15
Pennsylvania	445	365	22.1%	0	0	403	324	12	12	31	28
East North Central	2,934	2,251	30.3%	426	272	2,387	1,862	12	12	110	105
Illinois	1,236	937	32.0%	12	10	1,224	926	NM	1	0	0
Indiana	506	410	23.4%	47	38	452	366	2	2	5	5
Michigan	703	524	34.2%	236	131	425	352	2	3	40	38
Ohio	226	161	40.8%	NM	1	195	140	1	1	28	18
Wisconsin	262	220	19.4%	128	92	90	78	6	5	38	45
West North Central	8,145	7,748	5.1%	2,731	2,419	5,331	5,242	13	16	69	71
Iowa	2,643	2,164	21.0%	1,930	1,524	705	649	3	4	5	7
Kansas	1,713	2,211	-22.5%	127	197	1,585	2,013	NM	2	0	0
Minnesota	1,180	1,195	-1.2%	206	223	905	905	NM	3	64	63
Missouri	320	285	12.1%	3	4	313	275	4	6	0	0
Nebraska	754	656	14.9%	31	36	722	618	1	1	0	0
North Dakota	1,063	969	9.7%	381	372	682	597	NM	0	0	0
South Dakota	473	248	90.4%	53	63	420	185	0	0	0	0
South Atlantic	3,633	3,232	12.4%	696	590	2,093	1,798	33	38	811	807
Delaware	11	10	2.8%	NM	1	9	8	0	0	NM	1
District of Columbia	6	5	13.9%	0	0	NM	1	4	4	0	0
Florida	857	718	19.4%	500	390	217	196	4	4	137	128
Georgia	811	652	24.3%	33	31	450	284	NM	0	328	337
Maryland	125	119	4.6%	NM	1	121	115	3	3	0	0
North Carolina	956	911	5.0%	48	39	801	766	9	15	98	90
South Carolina	353	274	28.8%	7	7	211	144	0	0	134	123
Virginia	392	431	-9.2%	107	121	158	171	11	12	114	128
West Virginia	124	112	10.8%	0	0	124	112	0	0	0	0
East South Central	550	616	-10.8%	13	14	107	118	NM	0	429	483
Alabama	286	302	-5.4%	2	2	32	41	0	0	252	259
Kentucky	35	29	20.2%	11	12	1	1	0	0	23	16
Mississippi	140	160	-12.2%	0	0	36	32	0	0	104	128
Tennessee	89	125	-29.1%	NM	0	38	44	NM	0	50	81
West South Central	8,783	10,009	-12.3%	113	170	8,305	9,448	6	7	359	384
Arkansas	112	129	-12.8%	NM	0	34	26	2	2	77	101
Louisiana	187	208	-10.1%	NM	0	11	8	0	0	176	201
Oklahoma	1,886	2,651	-28.9%	96	142	1,757	2,497	0	0	33	12
Texas	6,597	7,020	-6.0%	17	28	6,503	6,916	4	5	73	71
Mountain	4,331	4,487	-3.5%	631	560	3,553	3,864	46	42	101	21
Arizona	542	546	-0.8%	62	66	479	478	NM	1	0	0
Colorado	1,138	1,168	-2.5%	330	234	806	932	2	2	0	0
Idaho	303	318	-4.5%	14	16	253	281	2	2	34	19
Montana	214	214	0.0%	19	22	193	190	0	0	2	2
Nevada	823	832	-1.1%	17	16	766	780	39	35	0	0
New Mexico	631	707	-10.8%	31	32	599	675	NM	0	0	0
Utah	277	317	-12.8%	12	10	264	306	1	1	0	0
Wyoming	405	386	4.8%	146	164	194	222	0	0	64	0
Pacific Contiguous	6,120	7,030	-12.9%	517	646	5,331	6,095	76	82	196	207
California	4,790	5,435	-11.9%	176	177	4,473	5,108	73	79	68	71
Oregon	674	813	-17.1%	57	112	575	659	2	2	41	40
Washington	656	783	-16.2%	284	357	283	328	NM	1	88	96
Pacific Noncontiguous	137	111	23.6%	18	15	102	76	17	20	NM	0
Alaska	15	15	-2.5%	NM	7	NM	4	3	4	NM	0
Hawaii	122	95	27.8%	11	7	97	71	14	17	0	0
U.S. Total	36,774	37,373	-1.6%	5,191	4,755	29,099	30,114	271	285	2,213	2,219

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 2020 are preliminary. Values for 2019 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.

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Table 1.11 B. Utility Scale Facility Not Generation from Renewable Sources Excluding Hydroelectric

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatt-hours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	8,738	8,272	5.6%	548	630	7,216	6,622	105	117	868	902
Connecticut	755	683	10.5%	3	3	748	677	5	4	NM	0
Maine	3,474	3,448	0.8%	0	0	2,587	2,516	26	34	862	897
Massachusetts	2,134	1,866	14.4%	135	94	1,952	1,728	41	40	7	5
New Hampshire	1,152	1,213	-5.1%	21	176	1,104	1,005	27	32	0	0
Rhode Island	462	340	36.1%	0	0	457	334	6	5	0	0
Vermont	761	722	5.4%	390	357	370	363	1	2	0	0
Middle Atlantic	12,283	10,544	16.5%	71	66	11,292	9,556	524	494	396	428
New Jersey	1,859	1,575	18.0%	71	66	1,533	1,275	247	228	8	6
New York	5,959	5,053	17.9%	0	0	5,675	4,758	164	157	121	138
Pennsylvania	4,465	3,916	14.0%	0	0	4,085	3,523	113	109	267	284
East North Central	28,546	26,001	10.2%	4,019	3,335	23,438	21,406	126	140	1,064	1,121
Illinois	12,151	10,560	15.1%	112	97	12,032	10,457	NM	6	0	0
Indiana	5,184	5,000	3.7%	424	365	4,696	4,571	17	16	47	48
Michigan	6,509	6,008	8.3%	2,142	1,708	3,929	3,785	33	47	404	468
Ohio	2,253	2,074	8.6%	18	14	1,975	1,833	12	12	247	215
Wisconsin	2,550	2,359	8.1%	1,322	1,152	806	759	57	59	365	390
West North Central	73,288	59,531	23.1%	24,073	19,301	48,551	39,554	131	135	532	541
Iowa	22,939	17,743	29.3%	16,305	12,247	6,564	5,418	29	32	41	46
Kansas	11,237	15,126	-14.0%	1,369	1,372	15,855	13,742	13	12	0	0
Minnesota	11,077	9,580	15.6%	2,040	1,828	8,503	7,211	46	49	489	493
Missouri	2,627	2,224	18.1%	29	32	2,564	2,157	32	34	2	2
Nebraska	6,256	5,061	23.6%	297	288	5,950	4,764	9	9	0	0
North Dakota	9,375	7,892	18.8%	3,510	3,051	5,862	4,842	NM	0	NM	0
South Dakota	3,776	1,904	98.3%	523	484	3,253	1,420	0	0	0	0
South Atlantic	34,379	28,634	20.1%	6,863	4,886	19,636	15,806	317	352	7,564	7,591
Delaware	101	93	9.3%	6	5	85	76	4	4	7	7
District of Columbia	56	48	17.3%	0	0	15	7	41	41	0	0
Florida	8,235	6,396	28.8%	4,854	3,194	1,976	1,802	37	37	1,368	1,362
Georgia	7,306	5,640	29.6%	286	250	3,949	2,283	3	3	3,069	3,104
Maryland	1,141	1,080	5.6%	8	7	1,103	998	30	26	0	49
North Carolina	9,274	8,201	13.1%	480	336	7,809	6,868	93	132	892	866
South Carolina	3,128	2,307	35.6%	66	68	1,873	1,152	0	0	1,188	1,088
Virginia	3,738	3,686	1.4%	1,164	1,026	1,425	1,436	109	109	1,039	1,115
West Virginia	1,401	1,185	18.3%	0	0	1,401	1,185	0	0	0	0
East South Central	5,511	5,344	3.1%	126	121	1,053	945	4	4	4,328	4,275
Alabama	2,886	2,792	3.4%	22	19	315	331	0	0	2,549	2,442
Kentucky	312	301	3.9%	103	102	8	8	0	0	202	191
Mississippi	1,398	1,271	10.0%	0	0	356	263	0	0	1,042	1,008
Tennessee	915	980	6.7%	NM	0	375	344	4	4	535	533
West South Central	99,695	90,414	10.3%	1,318	1,343	95,137	85,449	63	63	3,176	3,558
Arkansas	935	1,245	-24.9%	NM	1	240	229	19	10	674	1,005
Louisiana	1,634	1,677	-2.6%	NM	1	71	61	0	0	1,562	1,615
Oklahoma	21,892	21,073	3.9%	1,057	1,068	20,588	19,796	0	0	247	208
Texas	75,233	66,419	13.3%	258	272	74,238	65,363	44	54	693	730
Mountain	41,333	37,706	9.6%	4,922	4,553	35,442	32,445	448	426	520	283
Arizona	5,232	4,871	7.4%	594	600	4,626	4,259	12	13	0	0
Colorado	10,230	9,206	11.1%	1,950	1,790	8,255	7,401	23	13	2	2
Idaho	2,924	2,805	4.3%	136	132	2,500	2,391	20	19	268	263
Montana	1,971	1,763	11.8%	183	185	1,772	1,563	0	0	16	16
Nevada	7,679	7,064	8.7%	163	138	7,134	6,553	380	371	2	2
New Mexico	6,876	6,068	13.3%	304	246	5,571	5,820	NM	2	0	0
Utah	2,771	2,695	2.8%	104	90	2,657	2,598	10	7	0	0
Wyoming	3,648	3,235	12.8%	1,488	1,372	1,929	1,863	0	0	231	0
Pacific Contiguous	63,538	61,880	2.7%	6,268	5,604	54,715	53,779	736	704	1,819	1,793
California	48,076	48,185	0.2%	1,667	1,657	45,108	45,274	704	672	598	581
Oregon	8,283	6,947	19.2%	1,173	971	6,683	5,585	20	20	407	371
Washington	7,179	6,749	6.4%	3,428	2,977	2,925	2,920	12	11	814	840
Pacific Noncontiguous	1,267	933	35.7%	166	142	950	624	150	167	NM	1
Alaska	149	133	12.2%	77	66	43	39	29	27	NM	1
Hawaii	1,118	800	39.7%	89	77	908	584	121	139	0	0
U.S. Total	368,677	329,259	12.0%	48,374	39,980	297,431	266,185	2,606	2,602	20,267	20,492

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 2020 are preliminary. Values for 2019 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.

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Table 1 12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	-26	-39	-34.0%	0	0	-26	-39	0	0	0	0
Connecticut	0	0	-27.9%	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-26	-40	-33.9%	0	0	-26	-40	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	-86	-74	15.5%	-25	-25	-61	-49	0	0	0	0
New Jersey	0	-6	-106.1%	0	-6	0	0	0	0	0	0
New York	-26	-19	31.3%	-26	19	0	0	0	0	0	0
Pennsylvania	61	-49	24.2%	0	0	-61	-49	0	0	0	0
East North Central	-95	-93	2.6%	-95	-93	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	-95	-93	2.6%	-95	-93	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	-8	-3	191.1%	-8	-3	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	-8	-3	191.1%	-8	-3	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	-232	-369	-37.1%	-232	-369	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	-82	-140	41.3%	82	-140	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	-38	-94	-59.8%	-38	-94	0	0	0	0	0	0
Virginia	-112	-135	-17.0%	-112	-135	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-71	-69	2.2%	-71	-69	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	-71	-69	2.2%	-71	-69	0	0	0	0	0	0
West South Central	-7	11	-36.4%	-7	-11	0	0	0	0	0	0
Arkansas	5	1	416.2%	5	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-12	-12	-0.7%	12	-12	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	1	-13	108.2%	1	-13	0	0	0	0	0	0
Arizona	6	7	-22.2%	6	7	0	0	0	0	0	0
Colorado	-5	-20	-76.6%	-5	-20	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	0	NM	-1	0	0	0	0	0	0	0
California	-1	2	-62.6%	-1	-2	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	2	-116.0%	0	2	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	-525	-671	-21.8%	-438	-583	-87	88	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 2020 are preliminary. Values for 2019 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.

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

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatt-hour-s)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	-293	342	-14.3%	0	0	-293	-342	0	0	0	0
Connecticut	1	3	64.0%	0	0	1	3	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-295	-345	-14.7%	0	0	295	345	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	-790	-774	2.1%	-333	-321	-457	-453	0	0	0	0
New Jersey	-96	87	10.8%	-96	87	0	0	0	0	0	0
New York	-237	-234	1.2%	-237	-234	0	0	0	0	0	0
Pennsylvania	-457	-453	0.9%	0	0	-457	453	0	0	0	0
East North Central	-690	-601	14.9%	690	-601	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	-690	-601	14.9%	-690	601	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	-6	345	-101.7%	-6	345	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	6	345	101.7%	-6	345	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	-1,714	-1,895	-9.5%	-1,714	1,895	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	310	340	8.9%	-310	-340	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	-515	687	-25.0%	515	-687	0	0	0	0	0	0
Virginia	890	869	2.4%	890	-869	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-589	486	21.2%	-589	-486	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	-589	-486	21.2%	589	-486	0	0	0	0	0	0
West South Central	-29	-27	8.9%	-29	27	0	0	0	0	0	0
Arkansas	60	50	20.5%	60	50	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	89	-76	16.5%	-89	76	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	22	116	-81.1%	-22	-116	0	0	0	0	0	0
Arizona	95	34	177.7%	95	34	0	0	0	0	0	0
Colorado	-117	-150	-22.0%	117	150	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	-28	45	-161.3%	-28	45	0	0	0	0	0	0
California	43	40	208.5%	-43	40	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	15	6	168.8%	15	6	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	-4,161	-3,850	8.1%	-3,411	-3,055	750	-795	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 2020 are preliminary. Values for 2019 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.

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Table 1 13.A Utility Scale Facility Net Generation from Other Energy Sources
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	156	156	0.4%	0	0	141	141	3	4	12	10
Connecticut	45	48	-6.2%	0	0	45	48	0	0	0	0
Maine	29	26	15.1%	0	0	14	11	3	4	12	10
Massachusetts	78	78	-0.4%	0	0	78	79	0	0	0	0
New Hampshire	4	4	-5.5%	0	0	4	4	0	0	0	0
Rhode Island	0	0	---	0	0	0	0	0	0	0	0
Vermont	0	0	-100.0%	0	0	0	0	0	0	0	0
Middle Atlantic	201	206	-2.2%	0	0	151	156	44	44	5	6
New Jersey	49	52	-5.7%	0	0	30	32	14	14	5	6
New York	80	82	-1.5%	0	0	59	62	21	20	0	0
Pennsylvania	72	72	-0.5%	0	0	63	63	9	9	0	0
East North Central	78	63	23.6%	2	1	6	5	4	6	67	52
Illinois	22	24	-11.3%	0	0	-1	-1	0	0	23	25
Indiana	44	25	75.8%	0	0	0	0	2	2	42	23
Michigan	11	11	-6.4%	0	0	7	6	2	4	1	2
Ohio	1	0	425.9%	0	0	0	0	0	0	1	1
Wisconsin	2	3	-29.2%	2	1	0	0	0	0	0	2
West North Central	25	31	-18.4%	15	13	7	11	3	3	0	4
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	0	0	-0.2%	0	0	0	0	0	0	0	0
Minnesota	21	27	-21.4%	11	9	7	11	3	3	0	4
Missouri	0	0	-100.0%	0	0	0	0	0	0	0	0
Nebraska	0	0	-	0	0	0	0	0	0	0	0
North Dakota	4	4	0.0%	4	4	0	0	0	0	0	0
South Dakota	0	0	---	0	0	0	0	0	0	0	0
South Atlantic	359	396	-9.2%	0	0	214	220	13	13	133	163
Delaware	0	0	---	0	0	0	0	0	0	0	0
Distict of Columbia	0	0	---	0	0	0	0	0	0	0	0
Florida	233	270	-13.8%	0	0	127	135	0	0	106	135
Georgia	9	8	12.6%	0	0	0	0	0	0	9	8
Maryland	32	30	7.7%	0	0	32	30	0	0	0	0
North Carolina	36	37	-3.0%	0	0	22	21	0	0	15	16
South Carolina	3	4	-28.3%	0	0	0	1	0	0	3	3
Virginia	47	47	1.4%	0	0	34	34	13	13	0	0
West Virginia	-1	0	202.6%	0	0	-1	0	0	0	0	0
East South Central	7	7	-4.3%	6	6	0	0	0	0	NM	0
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	0
Kentucky	6	6	-12.3%	6	6	0	0	0	0	0	0
Mississippi	0	0	-	0	0	0	0	0	0	0	0
Tennessee	NM	0	NM	0	0	0	0	0	0	NM	0
West South Central	51	118	-56.7%	0	19	6	6	0	0	45	94
Arkansas	0	0	8.0%	0	0	0	0	0	0	0	0
Louisiana	8	71	-88.1%	0	19	0	0	0	0	8	52
Oklahoma	1	0	NM	0	0	0	0	0	0	1	0
Texas	42	47	-11.7%	0	0	6	6	0	0	36	41
Mountain	35	58	-39.8%	6	6	17	25	0	0	12	27
Arizona	0	0	74.1%	0	0	0	0	0	0	0	0
Colorado	5	6	-16.1%	0	0	1	2	0	0	4	4
Idaho	3	5	-32.5%	0	0	0	0	0	0	3	5
Montana	16	24	-31.1%	0	0	16	24	0	0	0	0
Nevada	2	2	-15.5%	2	2	0	0	0	0	0	0
New Mexico	0	0	-48.8%	0	0	0	0	0	0	0	0
Utah	4	15	-72.4%	4	4	0	0	0	0	0	11
Wyoming	5	7	-33.8%	0	0	0	0	0	0	5	7
Pacific Contiguous	73	70	4.5%	-1	-2	23	26	0	0	51	47
California	64	61	5.1%	1	-2	14	16	0	0	51	47
Oregon	4	4	-0.7%	0	0	4	4	0	0	0	0
Washington	5	5	1.6%	0	0	5	5	0	0	0	0
Pacific Noncontiguous	20	37	44.8%	4	16	0	0	17	21	0	0
Alaska	0	0	-13.1%	0	0	0	0	0	0	0	0
Hawaii	21	37	-44.6%	4	17	0	0	17	21	0	0
U.S. Total	1,007	1,142	-11.8%	30	59	565	590	84	91	327	402

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 2020 are preliminary. Values for 2019 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.

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

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	1,405	1,406	-0.1%	0	-1	1,278	1,269	32	42	95	95
Connecticut	442	432	2.3%	0	0	442	432	0	0	0	0
Maine	246	262	-6.2%	0	0	119	124	32	42	95	96
Massachusetts	677	672	0.7%	0	0	677	673	0	0	0	1
New Hampshire	41	40	0.9%	0	0	41	40	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	-100.0%	0	0	0	0	0	0	0	0
Middle Atlantic	1,867	1,848	1.0%	0	0	1,451	1,423	392	384	24	41
New Jersey	438	453	-3.1%	0	0	290	290	124	121	24	41
New York	755	700	7.8%	0	0	570	521	184	179	0	0
Pennsylvania	674	696	-3.2%	0	0	591	612	84	84	0	0
East North Central	685	638	7.4%	14	14	52	57	58	74	561	494
Illinois	189	199	-5.1%	0	0	10	9	0	0	198	208
Indiana	351	262	34.1%	0	0	0	0	18	17	333	245
Michigan	111	140	-20.8%	0	0	62	68	40	56	9	16
Ohio	7	6	18.1%	-1	-2	0	-2	0	0	8	10
Wisconsin	28	31	-12.1%	15	15	0	0	0	0	13	16
West North Central	305	303	0.6%	141	138	107	104	29	22	28	40
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	4	4	-0.5%	0	0	0	0	0	0	4	4
Minnesota	263	263	0.1%	103	101	107	104	29	22	24	36
Missouri	0	0	-100.0%	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	38	36	4.2%	38	36	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,289	3,538	-7.0%	-2	-1	1,970	2,044	122	124	1,198	1,372
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	2,185	2,377	-8.1%	-2	-1	1,232	1,266	0	0	954	1,111
Georgia	64	72	-11.9%	0	0	0	0	0	0	64	72
Maryland	227	242	-6.3%	0	0	227	242	0	0	0	0
North Carolina	375	401	-6.6%	0	0	221	240	0	0	154	161
South Carolina	32	32	-0.4%	0	0	5	5	0	0	27	27
Virginia	418	419	0.0%	0	0	296	295	122	124	0	0
West Virginia	-12	-5	150.4%	0	0	-12	-5	0	0	0	0
East South Central	56	41	35.4%	47	33	0	0	0	0	9	8
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	0
Kentucky	47	33	42.0%	47	33	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	9	8	7.6%	0	0	0	0	0	0	9	8
West South Central	633	797	20.6%	1	38	44	64	0	0	590	696
Arkansas	3	3	6.3%	0	0	0	0	0	0	4	3
Louisiana	296	420	-29.6%	0	37	0	0	0	0	296	383
Oklahoma	5	5	7.2%	0	1	0	0	0	0	5	4
Texas	329	369	-10.9%	-1	0	44	64	0	0	285	306
Mountain	410	518	-20.8%	59	52	171	229	0	0	181	237
Arizona	-2	-3	-45.4%	0	0	-2	-3	0	0	0	0
Colorado	47	44	5.8%	0	-1	12	13	0	0	35	32
Idaho	48	50	-4.0%	0	0	0	0	0	0	48	50
Montana	160	219	-26.8%	0	0	160	219	0	0	0	0
Nevada	21	17	20.6%	21	17	0	0	0	0	0	0
New Mexico	-1	-1	-5.4%	-1	-1	0	0	0	0	0	0
Utah	79	137	-42.6%	39	37	0	0	0	0	40	101
Wyoming	58	54	7.1%	0	0	0	0	0	0	58	54
Pacific Contiguous	604	638	-5.4%	-9	-14	207	197	-1	0	406	455
California	519	566	-8.2%	-9	-13	122	123	-1	0	406	455
Oregon	32	24	35.4%	0	0	33	24	0	0	0	0
Washington	52	49	6.8%	0	0	52	49	0	0	0	0
Pacific Noncontiguous	238	292	-18.4%	90	122	0	0	148	170	0	0
Alaska	-2	-3	-28.9%	-2	-3	0	0	0	0	0	0
Hawaii	240	295	-18.5%	92	125	0	0	148	170	0	0
U.S. Total	9,491	10,019	-5.3%	340	380	5,279	5,365	780	815	3,093	3,439

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

Notes: See Glossary for definitions. Values for 2020 are preliminary. Values for 2019 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.

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Table 1.14 A. Utility Scale Facility Net Generation from Wind
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	295	242	22.2%	18	14	275	225	2	2	NM	0
Connecticut	NM	1	NM	0	0	NM	1	0	0	0	0
Maine	192	161	19.3%	0	0	192	161	0	0	0	0
Massachusetts	18	14	33.0%	NM	3	NM	9	NM	1	NM	0
New Hampshire	40	28	43.5%	0	0	40	28	0	0	0	0
Rhode Island	15	13	13.9%	0	0	14	13	1	0	0	0
Vermont	30	26	15.3%	14	11	16	15	0	0	0	0
Middle Atlantic	646	473	36.5%	0	0	645	473	NM	0	NM	0
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	369	278	32.5%	0	0	368	278	NM	0	NM	0
Pennsylvania	275	193	42.3%	0	0	275	193	0	0	0	0
East North Central	2,457	1,796	36.8%	332	200	2,114	1,590	NM	2	NM	4
Illinois	1,190	900	32.3%	NM	1	1,189	899	NM	0	0	0
Indiana	432	346	24.8%	0	0	432	346	0	0	0	0
Michigan	526	336	56.3%	228	124	298	212	0	0	0	0
Ohio	154	96	60.2%	NM	1	145	92	0	0	NM	3
Wisconsin	156	118	31.8%	102	75	51	42	NM	1	1	0
West North Central	7,833	7,472	4.8%	2,708	2,397	5,122	5,072	NM	4	0	0
Iowa	2,624	2,160	21.4%	1,928	1,521	695	639	0	0	0	0
Kansas	1,702	2,205	-22.8%	127	197	1,574	2,007	NM	2	0	0
Minnesota	927	980	-5.4%	194	214	731	764	NM	2	0	0
Missouri	301	264	14.2%	0	0	301	264	0	0	0	0
Nebraska	743	646	15.0%	24	30	719	616	0	0	0	0
North Dakota	1,063	969	9.7%	381	372	682	597	NM	0	0	0
South Dakota	473	248	90.4%	53	63	420	185	0	0	0	0
South Atlantic	199	184	8.1%	0	0	199	184	0	0	0	0
Delaware	0	0	2.3%	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	41	42	3.0%	0	0	41	42	0	0	0	0
North Carolina	33	29	13.9%	0	0	33	29	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	124	112	10.8%	0	0	124	112	0	0	0	0
East South Central	NM	3	NM	0	0	NM	3	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	NM	3	NM	0	0	NM	3	0	0	0	0
West South Central	7,504	9,149	-18.0%	105	156	7,396	8,988	3	5	NM	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1,844	2,633	30.0%	89	137	1,755	2,496	0	0	0	0
Texas	5,660	6,517	13.1%	16	19	5,641	6,492	3	5	NM	1
Mountain	2,372	2,573	-7.8%	507	435	1,800	2,137	NM	0	64	0
Arizona	32	49	-35.8%	0	0	32	49	0	0	0	0
Colorado	993	1,041	-4.6%	329	234	664	807	0	0	0	0
Idaho	201	226	-11.1%	NM	14	188	212	0	0	0	0
Montana	209	209	0.0%	19	22	190	187	0	0	0	0
Nevada	19	29	35.6%	0	0	19	29	0	0	0	0
New Mexico	479	573	-16.4%	0	0	479	573	NM	0	0	0
Utah	49	75	-35.2%	0	0	49	75	0	0	0	0
Wyoming	390	369	5.6%	146	164	179	205	0	0	64	0
Pacific Contiguous	1,824	2,501	-27.1%	384	497	1,440	2,003	0	0	0	0
California	803	1,210	-33.6%	70	67	733	1,142	0	0	0	0
Oregon	487	650	-25.1%	51	106	436	544	0	0	0	0
Washington	533	641	-16.7%	263	324	271	317	0	0	0	0
Pacific Noncontiguous	43	55	-22.3%	NM	7	35	48	0	0	0	0
Alaska	NM	12	NM	NM	7	NM	4	0	0	0	0
Hawaii	31	43	-28.0%	0	0	31	43	0	0	0	0
U.S. Total	23,176	24,448	-5.2%	4,060	3,706	19,030	20,723	12	14	74	5

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 2020 are preliminary. Values for 2019 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.

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Table 1 14 B Utility Scale Facility Net Generation from Wind

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	2,958	2,606	13.5%	186	154	2,747	2,430	22	21	NM	1
Connecticut	10	9	19.3%	0	0	10	9	0	0	0	0
Maine	1,873	1,743	7.5%	0	0	1,873	1,743	0	0	0	0
Massachusetts	187	147	27.5%	46	35	122	95	17	16	NM	1
New Hampshire	415	299	38.7%	0	0	415	299	0	0	0	0
Rhode Island	170	145	17.0%	0	0	165	140	6	5	0	0
Vermont	303	264	14.7%	140	120	163	144	0	0	0	0
Middle Atlantic	6,553	5,539	18.3%	0	0	6,548	5,536	NM	2	NM	1
New Jersey	18	16	13.4%	0	0	18	16	0	0	0	0
New York	3,672	3,203	14.6%	0	0	3,667	3,200	NM	2	NM	1
Pennsylvania	2,863	2,321	23.4%	0	0	2,863	2,321	0	0	0	0
East North Central	23,908	21,445	11.5%	3,145	2,549	20,673	18,819	24	21	66	56
Illinois	11,740	10,195	15.2%	10	9	11,727	10,183	NM	3	0	0
Indiana	4,494	4,380	2.6%	0	0	4,494	4,380	0	0	0	0
Michigan	4,726	4,093	15.5%	2,064	1,834	2,662	2,459	0	0	0	0
Ohio	1,429	1,447	-1.3%	12	8	1,354	1,386	0	2	61	51
Wisconsin	1,519	1,329	14.3%	1,060	898	436	411	19	15	5	5
West North Central	70,441	57,078	23.4%	23,848	19,070	46,556	37,976	37	32	0	0
Iowa	22,761	17,564	29.6%	16,289	12,228	6,468	5,333	3	3	0	0
Kansas	17,142	15,069	13.8%	1,368	1,370	15,761	13,687	13	12	0	0
Minnesota	8,786	7,630	15.1%	1,923	1,707	6,843	5,906	19	17	0	0
Missouri	2,456	2,049	19.8%	0	0	2,456	2,049	0	0	0	0
Nebraska	6,148	4,971	23.7%	234	230	5,914	4,741	0	0	0	0
North Dakota	9,374	7,892	18.8%	3,510	3,051	5,862	4,842	NM	0	0	0
South Dakota	3,775	1,903	98.4%	523	484	3,251	1,419	0	0	0	0
South Atlantic	2,233	1,945	14.8%	0	0	2,229	1,941	4	4	0	0
Delaware	4	4	2.3%	0	0	0	0	4	4	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	408	383	6.5%	0	0	408	383	0	0	0	0
North Carolina	420	373	12.6%	0	0	420	373	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	1,401	1,185	18.3%	0	0	1,401	1,185	0	0	0	0
East South Central	42	28	49.7%	0	0	42	28	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	42	28	49.7%	0	0	42	28	0	0	0	0
West South Central	89,771	82,687	8.6%	1,190	1,214	88,536	81,426	40	40	NM	7
Arkansas	0	0	-	0	0	0	0	0	0	0	0
Louisiana	0	0	-	0	0	0	0	0	0	0	0
Oklahoma	21,573	20,802	3.7%	1,001	1,020	20,572	19,781	0	0	0	0
Texas	68,198	61,885	10.2%	189	193	67,964	61,645	40	40	NM	7
Mountain	23,055	20,998	9.8%	3,738	3,463	19,080	17,530	NM	3	233	2
Arizona	386	410	-6.0%	0	0	386	410	0	0	0	0
Colorado	8,891	8,100	9.8%	1,943	1,785	6,945	6,312	NM	1	2	2
Idaho	2,020	1,888	7.0%	124	120	1,896	1,768	0	0	0	0
Montana	1,930	1,723	12.0%	183	185	1,747	1,539	0	0	0	0
Nevada	229	244	-6.0%	0	0	229	244	0	0	0	0
New Mexico	5,487	4,913	11.7%	0	0	5,485	4,911	NM	2	0	0
Utah	602	636	-5.4%	0	0	602	636	0	0	0	0
Wyoming	3,510	3,082	13.9%	1,488	1,372	1,790	1,710	0	0	231	0
Pacific Contiguous	22,687	23,027	-1.5%	4,988	4,357	17,690	18,661	4	4	4	5
California	10,110	11,911	-15.1%	660	676	9,441	11,226	4	4	4	5
Oregon	6,562	5,535	18.6%	1,120	920	5,442	4,615	0	0	0	0
Washington	6,015	5,580	7.8%	3,208	2,760	2,807	2,820	0	0	0	0
Pacific Noncontiguous	494	494	0.0%	77	66	417	429	0	0	0	0
Alaska	120	105	14.0%	77	66	43	39	0	0	0	0
Hawaii	375	390	-3.8%	0	0	375	390	0	0	0	0
U.S. Total	242,142	215,848	12.2%	37,172	30,872	204,519	184,776	138	128	313	72

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 2020 are preliminary. Values for 2019 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.

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Table 1.15 A Utility Scale Facility Net Generation from Biomass
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	409	456	-10.5%	5	35	301	317	8	9	95	95
Connecticut	56	66	-15.3%	0	0	56	66	0	0	0	0
Maine	163	169	3.7%	0	0	66	71	3	3	95	95
Massachusetts	85	86	0.7%	0	0	84	84	2	1	0	0
New Hampshire	70	84	-17.6%	0	11	66	69	4	4	0	0
Rhode Island	20	15	32.9%	0	0	20	15	0	0	0	0
Vermont	NM	36	NM	5	24	NM	11	0	0	0	0
Middle Atlantic	366	392	-6.5%	0	0	287	309	41	41	39	42
New Jersey	60	62	-2.9%	0	0	48	49	12	13	0	0
New York	157	166	-6.0%	0	0	130	136	17	16	9	14
Pennsylvania	150	163	8.5%	0	0	109	124	11	11	30	28
East North Central	394	390	0.9%	63	51	221	229	8	9	101	101
Illinois	38	31	20.0%	11	9	27	23	0	0	0	0
Indiana	37	36	4.7%	27	25	4	4	2	2	5	5
Michigan	163	175	-6.7%	0	0	122	134	2	3	40	38
Ohio	56	51	10.0%	0	0	35	35	1	1	20	15
Wisconsin	100	97	2.3%	25	17	33	32	4	4	37	44
West North Central	142	150	-5.7%	21	19	42	48	10	12	69	71
Iowa	17	21	-19.7%	1	1	8	9	3	4	5	7
Kansas	5	5	-3.4%	0	0	5	5	0	0	0	0
Minnesota	103	104	-0.5%	12	9	25	30	3	1	64	63
Missouri	10	12	-23.1%	2	3	4	4	3	6	0	0
Nebraska	6	7	-11.2%	6	6	0	0	1	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	1,487	1,568	5.2%	93	166	563	572	20	24	811	806
Delaware	5	5	-0.9%	0	0	4	4	0	0	NM	1
District of Columbia	4	4	1.3%	0	0	0	0	4	4	0	0
Florida	314	343	-8.4%	34	63	141	149	3	3	136	128
Georgia	471	455	3.5%	0	0	143	118	0	0	328	337
Maryland	33	30	7.0%	0	0	31	29	1	1	0	0
North Carolina	203	198	2.4%	0	0	105	103	0	5	98	90
South Carolina	189	189	0.1%	7	7	48	60	0	0	134	122
Virginia	269	344	-21.8%	53	96	90	109	11	11	114	128
West Virginia	0	0	-	0	0	0	0	0	0	0	0
East South Central	448	501	-10.7%	7	7	12	11	0	0	429	483
Alabama	255	262	2.5%	0	0	3	3	0	0	252	259
Kentucky	31	24	27.0%	7	7	1	1	0	0	23	16
Mississippi	105	129	-18.1%	0	0	1	1	0	0	104	128
Tennessee	56	86	-35.1%	0	0	7	6	0	0	50	80
West South Central	408	437	6.5%	0	8	50	44	0	0	359	384
Arkansas	85	107	-20.7%	0	0	8	6	0	0	77	101
Louisiana	183	208	12.0%	0	0	7	8	0	0	176	201
Oklahoma	35	14	154.2%	0	0	2	1	0	0	33	12
Texas	106	108	-2.3%	0	8	33	29	0	0	73	70
Mountain	93	81	14.6%	1	1	53	56	3	3	36	20
Arizona	NM	21	NM	0	0	NM	21	0	0	0	0
Colorado	14	14	1.0%	0	0	14	14	0	0	0	0
Idaho	47	33	44.7%	1	1	10	11	2	2	34	18
Montana	2	2	-2.2%	0	0	0	0	0	0	2	2
Nevada	5	4	14.2%	0	0	5	4	0	0	0	0
New Mexico	2	2	3.8%	0	0	2	2	0	0	0	0
Utah	6	6	5.2%	0	0	5	5	1	1	0	0
Wyoming	0	0	-	0	0	0	0	0	0	0	0
Pacific Contiguous	676	735	-8.1%	32	40	392	424	62	68	189	203
California	480	513	6.5%	6	2	355	380	59	64	61	67
Oregon	76	84	8.9%	5	5	29	37	2	2	41	40
Washington	119	138	-13.7%	NM	33	9	7	NM	1	88	96
Pacific Noncontiguous	28	29	-3.8%	3	5	9	4	17	20	NM	0
Alaska	3	4	-7.8%	0	0	0	0	3	4	NM	0
Hawaii	25	26	3.2%	3	5	9	4	14	17	0	0
U.S. Total	4,450	4,740	6.1%	225	334	1,928	2,015	169	187	2,128	2,205

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 2020 are preliminary. Values for 2019 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.

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Table 1 15 B. Utility Scale Facility Net Generation from Biomass

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	4,113	4,403	-6.6%	213	382	2,965	3,037	73	87	862	897
Connecticut	564	560	0.7%	0	0	564	560	0	0	0	0
Maine	1,593	1,699	-6.3%	0	0	705	768	26	34	862	897
Massachusetts	760	745	2.0%	0	0	741	726	19	19	0	0
New Hampshire	737	914	-19.4%	21	176	689	706	27	32	0	0
Rhode Island	163	150	8.8%	0	0	163	150	0	0	0	0
Vermont	297	336	-11.6%	192	206	104	128	1	2	0	0
Middle Atlantic	3,505	3,552	-1.3%	0	0	2,762	2,781	371	362	373	409
New Jersey	573	598	-4.2%	0	0	460	489	113	110	0	0
New York	1,471	1,427	3.1%	0	0	1,206	1,148	152	147	113	132
Pennsylvania	1,462	1,527	-4.3%	0	0	1,096	1,144	106	106	260	277
East North Central	3,826	3,966	-3.5%	609	590	2,132	2,204	90	108	996	1,063
Illinois	345	313	10.0%	101	86	244	227	0	0	0	0
Indiana	347	349	-0.8%	249	250	36	37	15	14	47	48
Michigan	1,650	1,793	-8.0%	0	0	1,213	1,279	32	46	404	468
Ohio	518	510	1.6%	0	0	328	341	6	6	184	163
Wisconsin	967	1,000	-3.3%	259	253	312	320	36	42	360	384
West North Central	1,255	1,256	-0.1%	198	207	431	407	94	102	532	541
Iowa	159	167	-5.0%	8	12	84	80	26	29	41	46
Kansas	48	47	1.9%	0	0	48	47	0	0	0	0
Minnesota	895	899	0.7%	114	118	266	247	26	32	489	493
Missouri	86	90	-4.0%	19	23	33	33	32	32	2	2
Nebraska	66	63	4.6%	57	54	0	0	9	9	0	0
North Dakota	NM	0	NM	0	0	0	0	0	0	NM	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	14,017	14,168	-1.1%	1,137	1,435	5,132	4,913	191	235	7,557	7,585
Delaware	45	46	-1.8%	0	0	38	39	0	0	7	7
District of Columbia	41	41	1.4%	0	0	0	0	41	41	0	0
Florida	3,176	3,348	-5.1%	407	548	1,374	1,411	29	30	1,365	1,360
Georgia	4,342	3,947	10.0%	0	0	1,273	842	0	0	3,069	3,104
Maryland	246	301	-18.5%	0	0	232	241	14	12	0	49
North Carolina	1,791	1,895	-5.0%	0	0	898	976	0	44	892	866
South Carolina	1,729	1,873	-3.3%	58	64	486	524	0	0	1,184	1,085
Virginia	2,647	2,926	-9.5%	671	823	830	881	107	108	1,039	1,115
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	4,498	4,440	1.3%	67	66	107	105	0	0	4,323	4,270
Alabama	2,580	2,473	4.4%	0	0	31	30	0	0	2,549	2,442
Kentucky	275	264	4.2%	67	66	6	6	0	0	202	191
Mississippi	1,052	1,018	3.3%	0	0	10	10	0	0	1,042	1,008
Tennessee	590	686	-13.9%	0	0	60	58	0	0	530	627
West South Central	3,693	4,067	-9.6%	54	72	464	449	4	15	3,171	3,552
Arkansas	752	1,076	-30.1%	0	0	74	67	4	4	674	1,005
Louisiana	1,629	1,676	-2.8%	0	0	67	61	0	0	1,562	1,615
Oklahoma	263	223	17.8%	0	0	16	15	0	0	247	208
Texas	1,049	1,112	-5.6%	54	72	307	306	0	11	688	723
Mountain	809	803	0.7%	12	12	486	488	30	26	281	278
Arizona	171	175	-2.0%	0	0	171	175	0	0	0	0
Colorado	125	120	4.5%	0	0	125	120	0	0	0	0
Idaho	376	382	-1.8%	12	12	80	90	20	19	264	262
Montana	16	16	5.2%	0	0	0	0	0	0	16	16
Nevada	46	41	12.6%	0	0	46	41	0	0	0	0
New Mexico	17	17	1.0%	0	0	17	17	0	0	0	0
Utah	59	54	9.5%	0	0	48	46	10	7	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	6,371	6,291	1.3%	323	313	3,688	3,647	595	575	1,765	1,756
California	4,490	4,451	0.9%	55	51	3,329	3,312	563	543	544	544
Oregon	752	708	6.1%	48	46	277	271	20	20	407	371
Washington	1,129	1,132	-0.3%	220	216	83	64	12	11	814	840
Pacific Noncontiguous	218	254	-14.1%	21	49	47	38	150	167	NM	1
Alaska	29	28	5.4%	0	0	0	0	29	27	NM	1
Hawaii	189	226	-16.5%	21	49	47	38	121	139	0	0
U S Total	42,305	43,220	-2.1%	2,632	3,125	18,215	18,068	1,598	1,677	19,860	20,350

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

Notes: See Glossary for definitions. Values for 2020 are preliminary. Values for 2019 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.

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Table 1 16 A Utility Scale Facility Net Generation from Geothermal
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
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	371	363	2.1%	12	10	325	323	34	30	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	7	8	-13.2%	0	0	7	8	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	330	323	2.3%	0	0	297	293	34	30	0	0
New Mexico	4	5	-25.6%	0	0	4	5	0	0	0	0
Utah	29	27	8.8%	12	10	18	17	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,003	1,005	-0.2%	59	64	944	941	0	0	0	0
California	990	988	0.2%	59	64	931	924	0	0	0	0
Oregon	13	17	22.0%	0	0	13	17	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	0	--	0	0	NM	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	0	--	0	0	NM	0	0	0	0	0
U.S. Total	1,390	1,368	1.7%	71	74	1,286	1,264	34	30	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 2020 are preliminary. Values for 2019 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.

11/20/2020 4:00:20 PM

Table 1 16 B Utility Scale Facility Net Generation from Geothermal

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 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	3,420	3,326	2.8%	104	90	2,990	2,918	326	319	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	65	74	-12.7%	0	0	65	74	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	3,055	2,966	3.0%	0	0	2,730	2,647	326	319	0	0
New Mexico	37	44	-17.3%	0	0	37	44	0	0	0	0
Utah	263	242	8.9%	104	90	159	152	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,996	8,839	1.8%	546	542	8,450	8,297	0	0	0	0
California	8,879	8,693	2.1%	546	542	8,333	8,150	0	0	0	0
Oregon	116	146	-20.4%	0	0	116	146	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	155	0	--	0	0	155	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	155	0	--	0	0	155	0	0	0	0	0
U.S. Total	12,571	12,165	3.3%	650	632	11,595	11,214	326	319	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 2020 are preliminary. Values for 2019 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.

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Table 117 A. Net Generation from Solar Photovoltaic
by State, by Sector, September 2020 and 2019 (Thousand Megawatt-hours)

Census Division and State	All Sectors										Electric Power Sector				Commercial Sector				Industrial Sector				Residential Sector			
	Estimated Generation From Utility and Small Scale Facilities			Generation at Utility Scale Facilities		Estimated Small Scale Generation			Electric Utilities		Independent Power Producers		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation			
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020		
New England	552	460	20.0%	179	154	373	306	16	13	162	139	NM	163	NM	163	NM	17	NM	0	15	12	153	133			
Connecticut	87	71	23.1%	19	14	67	57	0	0	19	13	NM	21	NM	0	25	21	NM	3	NM	0	4	3	36	34	
Maine	11	8	33.5%	3	1	6	7	0	0	0	3	1	3	3	0	0	3	3	0	0	0	0	0	5	4	
Massachusetts	364	314	16.0%	126	117	238	198	10	7	115	109	NM	117	NM	1	145	116	NM	9	NM	0	10	8	83	73	
New Hampshire	14	12	16.2%	0	0	14	17	0	0	0	0	5	4	0	0	5	4	1	1	0	0	1	1	9	8	
Rhode Island	42	24	74.6%	15	6	28	18	0	0	15	6	20	13	0	0	20	13	0	0	0	0	0	0	7	5	
Vermont	33	30	9.4%	17	16	17	15	6	5	11	11	6	5	0	0	0	0	0	0	0	0	0	0	10	8	
Middle Atlantic	728	586	24.1%	246	171	487	415	7	7	221	147	241	193	15	15	225	178	27	23	0	25	21	232	216		
New Jersey	352	307	14.6%	134	111	219	196	7	7	112	90	115	102	14	13	102	89	NM	15	NM	1	17	14	100	93	
New York	302	226	33.6%	92	52	211	174	0	0	90	51	NM	75	NM	1	106	74	NM	2	NM	1	2	2	103	98	
Pennsylvania	73	53	36.4%	20	8	53	45	0	0	19	7	NM	15	NM	0	17	15	NM	6	NM	1	6	6	30	25	
East North Central	201	140	43.7%	84	65	117	75	31	21	51	43	NM	40	NM	1	60	39	6	5	0	6	5	51	31		
Illinois	57	27	115.0%	8	0	49	21	0	0	0	5	NM	12	NM	0	28	12	NM	0	0	0	NM	0	21	9	
Indiana	54	42	28.5%	38	29	16	13	20	13	17	16	NM	7	NM	0	8	7	1	0	0	0	1	0	7	6	
Michigan	30	24	25.1%	14	12	16	11	9	8	5	5	NM	5	NM	0	7	5	0	0	0	0	0	NM	9	6	
Ohio	40	33	20.6%	16	14	23	19	NM	1	15	13	NM	12	NM	0	13	11	3	3	0	0	3	3	8	5	
Wisconsin	20	14	38.7%	7	4	13	10	NM	0	6	4	NM	4	NM	0	5	4	2	2	0	0	2	2	6	5	
West North Central	244	186	31.2%	170	126	74	60	3	3	167	123	33	29	0	0	33	28	3	2	0	0	3	2	38	29	
Iowa	23	18	29.1%	2	2	21	16	NM	1	NM	1	12	10	0	0	12	10	1	1	0	0	1	1	7	6	
Kansas	10	4	127.6%	6	1	5	4	NM	0	5	1	2	1	0	0	2	1	0	0	0	0	0	0	3	2	
Minnesota	162	121	33.6%	149	111	13	10	NM	0	149	111	2	3	0	0	2	3	2	1	0	0	2	1	8	5	
Missouri	42	38	13.2%	9	9	34	29	1	1	8	8	15	14	0	0	14	13	1	1	0	0	1	1	18	15	
Nebraska	6	4	32.9%	4	3	2	1	NM	1	3	2	1	1	0	0	1	1	0	0	0	0	0	0	3	1	
North Dakota	0	0	10.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
South Dakota	NM	0	NM	NM	0	0	0	0	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
South Atlantic	2 253	1 731	30.1%	1 946	1 478	307	253	601	422	1 331	1 042	81	77	12	13	69	64	NM	28	NM	1	29	27	209	162	
Delaware	16	16	1.2%	5	5	10	11	NM	1	5	4	2	3	0	0	2	3	1	1	0	0	1	1	7	7	
District of Columbia	NM	9	NM	NM	1	10	8	0	0	0	NM	1	5	4	0	0	5	4	0	0	0	0	0	0	4	
Florida	635	430	47.8%	541	372	94	57	464	324	715	47	NM	12	NM	1	13	11	NM	1	NM	0	1	1	80	48	
Georgia	NM	223	NM	340	198	NM	NM	33	31	308	167	NM	4	NM	0	4	4	NM	NM	0	0	NM	NM	NM	NM	
Maryland	134	133	1.1%	51	46	83	87	NM	1	49	44	NM	24	NM	2	21	22	7	3	0	0	2	3	60	61	
North Carolina	750	707	6.2%	720	683	30	23	48	39	663	634	20	20	9	10	11	10	1	1	0	0	1	1	18	13	
South Carolina	195	113	72.1%	164	85	31	28	NM	0	162	84	6	6	0	0	6	6	NM	3	NM	0	3	2	21	20	
Virginia	142	100	42.9%	123	89	20	12	54	25	68	62	NM	4	NM	0	6	3	0	0	0	0	0	0	14	8	
West Virginia	1	1	18.9%	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
East South Central	115	127	9.3%	99	112	16	14	6	7	92	104	NM	10	NM	0	10	9	NM	1	NM	1	0	0	6	5	
Alabama	NM	42	NM	31	40	NM	NM	2	2	20	38	NM	NM	0	0	NM	NM	0	0	0	0	0	0	NM	NM	
Kentucky	9	8	4.0%	4	5	5	4	4	5	NM	0	2	2	0	0	2	2	0	0	0	0	0	0	2	2	
Mississippi	36	32	12.3%	35	31	1	1	0	0	35	31	1	1	0	0	1	1	NM	NM	0	0	NM	NM	1	0	
Tennessee	38	44	14.1%	29	36	9	8	NM	0	28	35	NM	6	NM	0	6	6	NM	NM	NM	1	NM	NM	3	2	
West South Central	1 048	539	94.5%	870	423	178	116	9	6	859	415	34	25	2	2	37	23	3	1	0	0	3	1	143	97	
Arkansas	36	28	41.0%	28	22	6	3	NM	0	26	21	4	2	0	0	1	2	0	0	0	0	0	0	4	2	
Louisiana	26	20	26.6%	4	0	22	20	NM	0	4	0	2	1	0	0	2	1	0	0	0	0	0	0	20	19	
Oklahoma	10	7	45.0%	7	5	3	2	7	5	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	1	
Texas	977	486	100.9%	831	390	145	91	NM	1	829	395	NM	21	NM	0	28	21	NM	0	0	0	0	NM	0	117	70
Mountain	1 899	1 812	4.8%	1 417	1 389	482	424	111	114	1 296	1 266	131	170	9	9	122	111	NM	6	NM	0	6	6	354	306	
Arizona	670	627	6.8%	424	404	246	222	62	66	361	337	NM	66	NM	1	72	64	1	1	0	0	1	1	173	157	
Colorado	185	172	13.0%	131	113	64	58	NM	0	128	111	23	21	2	1	21	20	0	0	0	0	0	0	43	39	
Idaho	57	57	0.3%	48	51	9	5	0	0	48	50	1	1	0	0	1	1	NM	1	NM	0	1	0	8	5	
Montana	6	5	19.4%	3	3	4	2	0	0	3	3	1	1	0	0	3	1	0	0	0	0	0	0	3	2	
Nevada	534	529	1.1%	459	466	76	63	17	10	436	443	16	16	6	6	10	10	4	4	0	0	3	3	62	50	
New Mexico	177	153	15.6%	146	127	31	26	31	32	115	95	8	8	0	0	8	6	0	0	0	0	0	0	23	19	
Utah	243	252	-3.5%	192	209	51	43	0	0	192	209	9	8	0	0	9	8	1	1	0	0	1	1	41	34	
Wyoming	16	18	8.6%	15	17	1	1	0	0	15	17	0	0	0	0	0	0	0	0	0	0	0	0	3	1	
Pacific Contiguous	4 060	4 024	0.7%	2 429	2 580	1 621	1 444	47	45	2 366	2 518	401	356	14	14	387	341	243	210	7	4	236	206	999	890	
California	3 896	3 911	-0.4%	2 328	2 513	1 567	1 398	47	44	2 266	2 451	387	344	14	14	373	329	241	208	7	4	234	204	961	864	
Oregon	124	86	44.0%	97	63	27	24	NM	1	97	62	10	9	0	0	10	9	2	2	0	0	2	2	15	13	
Washington	31	26	16.1%	4	4	27	22	0	0	4	4	4	3	0	0	4	3	0	0	0	0	0	0	23	19	
Pacific Noncontiguous	155	124	25.0%	49	26	107	98	8	2	41	24	41	38	0	0	41	38	0	0	0	0	0	0	65	60	
Alaska	1	0	54.0%	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
Hawaii	155	124	25.0%	49	26	106	97	8	2	41	24	41	38	0	0	41	38	0	0	0	0	0	0	65	60	
U.S. Total																										

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 2020 are preliminary. Values for 2019 are final. See Technical Notes for

	All Sectors
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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 2020 are preliminary. Values for 2019 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, Solar Plant Operations Report.

Estimates of small-scale solar photovoltaic generation and small-scale solar hydroelectric capacity are based on data from Form EIA 861M, Form EIA 861 and from estimation methods described in the technical notes.

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Table 1 18 A. Utility Scale Facility Net Generation from Solar Thermal
by State, by Sector, September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
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	NM	0	--	0	0	NM	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	NM	0	--	0	0	NM	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	2	-28.3%	2	2	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	2	2	-28.3%	2	2	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	79	82	-3.5%	0	0	79	82	0	0	0	0
Arizona	69	71	-3.1%	0	0	69	71	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	10	10	6.6%	0	0	10	10	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	189	210	-10.0%	0	0	189	210	0	0	0	0
California	189	210	-10.0%	0	0	189	210	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	270	294	-8.2%	2	2	268	292	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 2020 are preliminary. Values for 2019 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.

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Table 1 18.B Utility Scale Facility Net Generation from Solar Thermal

by State, by Sector, Year-to-Date through September 2020 and 2019 (Thousand Megawatthours)

Census Division and State	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	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 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	148	0	--	0	0	148	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	148	0	--	0	0	148	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	4	0	--	0	0	4	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	4	0	--	0	0	4	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	28	26	10 3%	28	26	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	28	26	10 3%	28	26	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	738	816	-9 5%	0	0	738	816	0	0	0	0
Arizona	645	670	-3 8%	0	0	645	670	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	94	146	-35 8%	0	0	94	146	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	1,853	1,867	-0 8%	0	0	1,853	1,867	0	0	0	0
California	1,853	1,867	-0 8%	0	0	1,853	1,867	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	2,772	2,709	2 3%	28	26	2,744	2,683	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 2020 are preliminary. Values for 2019 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.

Chapter 2

Consumption of Fossil Fuels

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Table 2.1.A. Coal Consumption for Electricity Generation,
by Sector, 2010-September 2020 (Thousand Tons)

by Sector, 2010-September 2020 (Thousands Tons)					
		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	739,594	539,506	195,927	163	3,999
2016	677,371	496,192	178,047	111	3,021
2017	663,911	484,389	176,643	95	2,783
2018	636,213	473,617	159,976	87	2,534
2019	537,616	399,541	135,838	76	2,161
Year 2018					
January	64,845	47,762	16,817	11	255
February	45,793	34,002	11,552	9	230
March	44,474	32,312	11,930	8	224
April	40,515	30,350	9,965	7	193
May	47,293	35,261	11,815	6	211
June	56,078	42,502	13,360	6	210
July	63,818	48,277	15,322	6	212
August	63,737	47,866	15,660	7	204
Sept	53,914	40,293	13,415	7	199
October	48,422	35,547	12,695	6	173
November	51,702	37,956	13,537	7	202
December	55,624	41,488	13,908	7	221
Year 2019					
January	55,834	41,306	14,305	8	214
February	45,025	33,349	11,471	8	197
March	43,974	31,664	12,133	9	168
April	33,353	24,495	8,691	6	161
May	40,015	30,285	9,547	6	178
June	44,218	33,558	10,482	4	174
July	55,863	42,319	13,345	5	193
August	52,348	39,741	12,412	5	190
Sept	47,188	35,453	11,554	6	175
October	37,431	27,149	10,119	6	157
November	41,907	30,453	11,274	6	173
December	40,461	29,769	10,505	7	180
Year 2020					
January	36,767	27,293	9,282	5	187
February	32,039	23,652	8,201	9	177
March	28,988	21,679	7,134	6	168
April	23,622	17,006	6,469	4	144
May	26,849	19,805	6,898	4	142
June	36,637	27,742	8,759	5	130
July	49,838	38,279	11,411	5	143
August	50,430	38,888	11,398	4	140
Sept	38,701	29,619	8,927	7	149
Year to Date					
2018	480,466	358,626	119,836	67	1,938
2019	417,818	312,170	103,940	57	1,651
2020	323,871	243,963	78,478	51	1,379
Rolling 12 Months Ending in September					
2019	573,565	427,161	144,081	76	2,247
2020	443,669	331,334	110,376	71	1,889

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 2019 and prior years are final. Values for 2020 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.

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Table 2.1.B. Coal Consumption for Useful Thermal Output,
by Sector, 2010-September 2020 (Thousand Tons)

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
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	
2015	16,632	1,032	1,980	635	12,985	
2016	16,586	2,979	1,336	572	11,700	
2017	14,667	2,802	1,158	515	10,192	
2018	13,813	2,268	1,356	490	9,700	
2019	12,397	2,062	1,161	443	8,731	
Year 2018						
January	1,434	237	144	65	987	
February	1,285	216	126	51	892	
March	1,254	202	119	49	885	
April	1,095	188	100	40	767	
May	1,081	173	106	33	769	
June	1,081	184	107	30	759	
July	1,078	189	105	34	750	
August	1,064	181	103	35	745	
Sept	1,061	183	97	38	743	
October	984	159	72	35	718	
November	1,167	173	141	40	813	
December	1,229	182	135	40	872	
Year 2019						
January	1,312	198	158	51	905	
February	1,158	189	114	47	808	
March	1,112	189	110	49	764	
April	1,009	141	102	34	732	
May	941	123	90	33	695	
June	950	161	95	23	671	
July	950	171	97	30	653	
August	974	190	88	32	664	
Sept	914	168	73	34	640	
October	985	174	81	31	699	
November	1,019	174	76	38	731	
December	1,072	184	76	42	770	
Year 2020						
January	1,058	156	70	35	796	
February	1,016	144	69	40	763	
March	917	108	56	34	719	
April	803	90	59	25	630	
May	803	115	53	28	608	
June	772	124	49	29	569	
July	870	166	55	30	618	
August	855	171	56	33	594	
Sept	848	132	55	34	626	
Year to Date						
2018	10,433	1,755	1,008	374	7,297	
2019	9,321	1,531	928	331	6,531	
2020	7,942	1,208	523	289	5,922	
Rolling 12 Months Ending in September						
2019	12,701	2,044	1,276	447	8,933	
2020	11,018	1,740	756	400	8,123	

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 2019 and prior years are final. Values for 2020 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.

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Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output,
by Sector, 2010-September 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	756,226	540,538	197,906	798	16,984
2016	693,958	499,172	179,383	683	14,720
2017	678,578	487,192	177,801	610	12,975
2018	650,027	475,885	161,332	577	12,233
2019	550,013	401,603	136,998	519	10,892
Year 2018					
January	66,279	47,999	16,961	76	1,242
February	47,079	34,219	11,679	59	1,122
March	45,728	32,513	12,049	57	1,109
April	41,610	30,538	10,065	47	960
May	48,374	35,435	11,921	39	979
June	57,159	42,687	13,467	36	969
July	64,895	48,467	15,427	40	962
August	64,801	48,047	15,753	42	949
Sept	54,975	40,475	13,512	45	943
October	49,406	35,706	12,768	42	891
November	52,868	38,129	13,677	47	1,015
December	56,853	41,670	14,043	47	1,093
Year 2019					
January	57,146	41,504	14,463	59	1,119
February	46,183	33,539	11,586	54	1,005
March	45,086	31,853	12,243	58	932
April	34,362	24,636	8,793	40	893
May	40,956	30,408	9,637	38	873
June	45,168	33,720	10,577	27	845
July	56,813	42,490	13,442	35	846
August	53,322	39,931	12,500	37	854
Sept	48,102	35,621	11,628	40	814
October	38,416	27,323	10,200	37	856
November	42,925	30,627	11,350	44	904
December	41,533	29,952	10,581	49	950
Year 2020					
January	37,825	27,449	9,352	41	984
February	33,055	23,796	8,270	49	939
March	29,905	21,788	7,190	41	886
April	24,425	17,096	6,527	29	773
May	27,652	19,920	6,951	32	749
June	37,409	27,867	8,808	35	699
July	50,708	38,446	11,467	35	761
August	51,285	39,059	11,454	37	735
Sept	39,549	29,751	8,982	41	775
Year to Date					
2018	490,899	360,380	120,843	441	9,235
2019	427,138	313,701	104,868	388	8,182
2020	331,813	245,171	79,001	340	7,302
Rolling 12 Months Ending in September					
2019	586,266	429,206	145,356	524	11,180
2020	454,687	333,073	111,131	471	10,012

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 2019 and prior years are final. Values for 2020 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.

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Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation,
by Sector, 2010-September 2020 (Thousand Barrels)

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
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	
2015	28,925	18,562	9,473	249	641	
2016	22,405	16,137	5,624	108	536	
2017	21,696	15,567	5,461	191	476	
2018	28,614	18,345	9,467	269	534	
2019	20,836	15,677	4,464	251	444	
Year 2018						
January	9,468	4,469	4,861	66	72	
February	1,451	1,118	270	14	49	
March	1,497	1,096	348	12	42	
April	1,601	1,169	383	15	34	
May	1,863	1,340	463	18	43	
June	1,895	1,378	464	18	35	
July	1,753	1,216	454	27	56	
August	1,870	1,295	516	24	35	
Sept	1,863	1,401	411	18	33	
October	1,814	1,368	390	16	40	
November	1,799	1,281	452	22	45	
December	1,740	1,216	455	20	49	
Year 2019						
January	2,506	1,672	755	32	46	
February	1,482	1,099	327	15	42	
March	1,476	1,159	263	16	38	
April	1,417	1,046	313	15	44	
May	1,702	1,305	346	17	33	
June	1,747	1,369	328	17	33	
July	1,818	1,328	436	24	30	
August	1,868	1,473	340	21	34	
Sept	1,669	1,305	302	27	35	
October	1,709	1,305	347	23	34	
November	1,626	1,228	339	23	37	
December	1,816	1,388	369	22	37	
Year 2020						
January	1,777	1,484	237	22	34	
February	1,444	1,187	210	12	35	
March	1,369	1,012	309	17	31	
April	1,185	923	222	12	28	
May	1,288	1,010	227	20	31	
June	1,569	1,232	287	20	30	
July	1,747	1,343	348	25	31	
August	1,674	1,316	311	24	23	
Sept	1,411	1,129	233	23	27	
Year to Date						
2018	23,261	14,479	8,170	212	400	
2019	15,685	11,757	3,410	182	336	
2020	13,463	10,635	2,384	176	269	
Rolling 12 Months Ending in September						
2019	21,038	15,622	4,706	239	470	
2020	18,614	14,554	3,439	244	377	

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 2019 and prior years are final Values for 2020 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

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Table 2.2.B. Petroleum Liquids Consumption for Useful Thermal Output,
by Sector, 2010-September 2020 (Thousand Barrels)

by Sector, 2010-September 2020 (Thousands Barrels)		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	3,142	62	1,155	282	1,643
2016	2,277	68	245	245	1,719
2017	2,012	72	220	238	1,482
2018	2,614	103	354	350	1,807
2019	2,162	71	226	419	1,446
Year 2018					
January	701	58	132	109	402
February	179	4	12	25	138
March	156	3	13	21	118
April	136	3	12	17	104
May	147	4	18	16	109
June	162	5	14	15	128
July	156	3	11	28	114
August	143	4	12	23	104
Sept	130	7	15	15	93
October	190	5	16	16	153
November	228	3	20	30	174
December	287	3	80	35	169
Year 2019					
January	404	18	42	58	287
February	195	9	22	30	135
March	160	5	18	29	108
April	143	4	16	17	106
May	228	5	16	120	86
June	115	3	16	12	83
July	110	3	12	24	71
August	124	5	11	23	84
Sept	138	5	20	28	86
October	140	5	18	21	96
November	249	4	17	32	195
December	157	5	16	26	109
Year 2020					
January	134	4	9	26	94
February	121	4	10	17	90
March	113	3	12	20	78
April	102	6	14	12	70
May	120	3	13	22	81
June	121	4	13	18	86
July	129	3	15	27	84
August	140	3	15	33	88
Sept	121	3	16	23	80
Year to Date					
2018	1,910	91	238	269	1,311
2019	1,617	57	174	340	1,046
2020	1,101	34	118	198	751
Rolling 12 Months Ending in September					
2019	2,321	69	289	422	1,542
2020	1,646	47	170	277	1,151

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 2019 and prior years are final. Values for 2020 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.

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Table 2.2.C. Petroleum Liquids, Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-September 2020 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	32,067	18,624	10,629	531	2,283
2016	24,682	16,205	5,869	352	2,255
2017	23,708	15,640	5,681	429	1,958
2018	31,228	18,448	9,820	619	2,341
2019	22,998	15,748	4,690	670	1,890
Year 2018					
January	10,169	4,527	4,993	175	474
February	1,630	1,122	282	39	187
March	1,653	1,099	361	33	160
April	1,738	1,172	395	32	138
May	2,010	1,343	480	34	152
June	2,057	1,383	478	33	164
July	1,909	1,219	465	55	170
August	2,012	1,298	528	46	140
Sept	1,993	1,407	426	34	127
October	2,003	1,373	406	31	193
November	2,027	1,284	472	52	219
December	2,027	1,220	534	55	218
Year 2019					
January	2,911	1,691	797	90	333
February	1,678	1,108	349	44	177
March	1,635	1,164	281	44	145
April	1,560	1,049	329	32	150
May	1,929	1,311	362	137	119
June	1,862	1,372	344	29	117
July	1,928	1,332	448	48	101
August	1,992	1,478	352	44	118
Sept	1,807	1,310	321	54	121
October	1,848	1,309	365	44	130
November	1,875	1,231	356	55	232
December	1,972	1,393	385	48	146
Year 2020					
January	1,911	1,489	246	48	128
February	1,565	1,191	220	30	124
March	1,482	1,015	321	37	109
April	1,286	928	236	24	98
May	1,408	1,013	240	42	113
June	1,690	1,236	300	38	116
July	1,876	1,346	363	53	115
August	1,814	1,319	326	57	111
Sept	1,532	1,132	249	45	106
Year to Date					
2018	25,171	14,571	8,408	481	1,711
2019	17,302	11,814	3,583	522	1,382
2020	14,564	10,669	2,502	374	1,020
Rolling 12 Months Ending in September					
2019	23,360	15,691	4,995	661	2,012
2020	20,260	14,602	3,609	521	1,528

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 2019 and prior years are final. Values for 2020 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.

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Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2010-September 2020 (Thousand Tons)

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
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	
2015	4,044	3,120	669	2	253	
2016	4,253	3,427	591	2	233	
2017	3,490	2,731	542	3	214	
2018	3,623	2,740	704	2	177	
2019	2,724	2,067	478	1	177	
Year 2018						
January	377	296	67	0	14	
February	305	234	60	0	11	
March	255	198	43	0	13	
April	271	193	63	0	15	
May	212	140	58	0	14	
June	338	269	51	0	18	
July	367	284	66	0	17	
August	352	272	66	0	15	
Sept	325	259	50	0	15	
October	229	158	54	0	16	
November	271	196	63	0	13	
December	321	241	65	0	16	
Year 2019						
January	326	258	54	0	13	
February	272	222	39	0	11	
March	235	193	28	0	13	
April	155	107	32	0	16	
May	294	219	60	0	14	
June	216	151	51	0	14	
July	309	227	58	0	24	
August	276	203	58	0	15	
Sept	231	183	33	0	15	
October	83	64	3	0	15	
November	129	101	15	0	14	
December	197	137	46	0	14	
Year 2020						
January	261	204	42	0	15	
February	190	147	31	0	12	
March	262	210	39	0	13	
April	221	179	33	0	9	
May	231	183	35	0	13	
June	308	258	36	0	14	
July	356	298	43	0	15	
August	305	245	44	0	16	
Sept	159	116	31	0	13	
Year to Date						
2018	2,802	2,146	522	1	133	
2019	2,315	1,765	414	1	134	
2020	2,292	1,839	333	1	119	
Rolling 12 Months Ending in September						
2019	3,136	2,360	595	2	178	
2020	2,701	2,141	397	1	162	

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.

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Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases. See the Technical Notes for fuel conversion factors.

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

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

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report, Form EIA-920, Combined Heat and Power Plant Report.

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Table 2.3 B. Petroleum Coke, Consumption for Useful Thermal Output,
by Sector, 2010-September 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	1,144	9	109	16	1,010
2016	1,099	6	113	9	971
2017	977	11	115	15	836
2018	929	12	93	10	814
2019	839	17	93	6	724
Year 2018					
January	88	1	9	2	76
February	78	1	8	2	67
March	72	1	9	1	61
April	83	1	10	1	71
May	70	1	6	0	63
June	75	1	1	0	73
July	81	1	9	0	71
August	77	1	9	0	66
Sept	74	1	7	1	65
October	77	0	9	1	67
November	71	1	8	2	61
December	83	1	8	2	72
Year 2019					
January	73	1	8	2	62
February	66	1	8	1	55
March	73	1	9	1	62
April	71	2	9	1	59
May	70	1	9	0	61
June	70	1	7	0	62
July	76	2	8	0	65
August	69	0	8	0	61
Sept	79	2	7	0	69
October	64	1	2	0	61
November	57	2	9	0	46
December	72	2	9	1	60
Year 2020					
January	75	1	9	2	62
February	49	1	9	1	37
March	39	1	9	0	30
April	31	3	8	0	21
May	59	3	8	0	48
June	71	1	6	0	64
July	69	1	7	0	62
August	79	4	8	0	67
Sept	69	1	9	0	60
Year to Date					
2018	698	10	68	6	614
2019	647	12	72	5	557
2020	541	16	73	3	449
Rolling 12 Months Ending in September					
2019	878	15	97	9	757
2020	733	20	93	4	616

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

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Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases. See the Technical Notes for fuel conversion factors.

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

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

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report, Form EIA-920, Combined Heat and Power Plant Report.

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Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-September 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	5,188	3,128	779	18	1,263
2016	5,352	3,433	705	10	1,204
2017	4,467	2,742	657	17	1,050
2018	4,552	2,752	797	12	991
2019	3,563	2,083	571	7	900
Year 2018					
January	466	297	76	2	90
February	382	235	68	2	78
March	327	199	52	2	74
April	354	195	72	1	86
May	281	141	63	0	77
June	413	270	52	0	91
July	448	285	75	0	88
August	429	273	75	0	81
Sept	399	260	58	1	80
October	306	159	63	1	83
November	342	196	70	2	74
December	404	242	73	2	88
Year 2019					
January	399	260	62	2	75
February	338	224	47	1	66
March	308	194	37	2	75
April	227	110	41	1	74
May	364	220	69	0	75
June	287	152	58	0	76
July	385	230	66	0	89
August	346	203	66	0	76
Sept	310	185	40	0	84
October	146	65	5	0	76
November	186	102	24	0	60
December	269	139	55	1	74
Year 2020					
January	336	205	51	2	77
February	239	148	40	1	49
March	301	211	47	0	43
April	252	182	40	0	29
May	290	187	43	0	61
June	379	258	43	0	78
July	425	298	50	0	77
August	383	249	52	0	83
Sept	228	117	40	0	72
Year to Date					
2018	3,500	2,155	591	8	746
2019	2,962	1,778	487	7	691
2020	2,833	1,855	406	4	568
Rolling 12 Months Ending in September					
2019	4,014	2,374	693	11	935
2020	3,434	2,161	491	5	778

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.

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Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases. See the Technical Notes for fuel conversion factors.

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

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

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report, Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.A. Natural Gas: Consumption for Electricity Generation,
by Sector, 2010-September 2020 (Million Cubic Feet)

by Sector, 2010-September 2020 (million cubic feet)					
		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	10,016,576	4,745,255	4,576,683	70,092	624,545
2016	10,170,110	5,018,894	4,571,375	46,304	533,537
2017	9,508,062	4,754,893	4,161,984	50,060	541,126
2018	10,833,043	5,551,181	4,663,935	52,650	565,276
2019	11,600,558	5,968,380	4,958,798	55,575	617,805
Year 2018					
January	805,929	425,891	327,351	4,145	48,542
February	706,517	363,824	296,296	3,886	42,511
March	772,448	395,826	329,151	4,071	43,400
April	722,667	372,401	303,383	3,616	43,268
May	868,518	459,568	359,038	4,201	45,712
June	973,956	520,305	402,054	4,633	46,963
July	1,245,648	639,299	549,546	5,518	51,285
August	1,208,900	605,610	546,123	5,593	51,575
Sept	1,051,922	530,570	468,776	4,838	47,737
October	909,338	457,374	400,338	4,290	47,335
November	784,673	395,480	337,321	3,760	48,112
December	782,527	385,034	344,559	4,098	48,836
Year 2019					
January	873,247	441,597	373,529	4,566	53,555
February	801,042	411,828	338,638	4,217	46,359
March	835,654	431,525	350,686	4,516	48,926
April	762,539	398,908	313,343	4,173	46,115
May	863,102	458,692	350,386	4,217	49,806
June	1,016,432	538,784	422,755	4,619	50,274
July	1,283,523	657,262	566,007	5,625	54,630
August	1,305,852	676,156	568,683	5,493	55,519
Sept	1,108,866	572,573	478,814	4,824	52,654
October	964,472	493,737	414,452	4,356	51,926
November	846,545	423,023	366,212	4,253	53,057
December	939,284	464,296	415,293	4,715	54,981
Year 2020					
January	957,988	488,493	409,190	4,702	55,603
February	901,967	466,047	381,213	4,216	50,491
March	901,984	472,779	374,003	4,084	51,119
April	783,043	414,915	319,418	3,516	45,194
May	853,523	456,172	346,972	3,804	46,574
June	1,067,619	556,783	457,006	4,249	49,581
July	1,396,437	715,032	623,770	5,046	52,588
August	1,304,306	665,469	580,958	4,980	52,899
Sept	1,058,029	536,040	469,587	4,484	47,918
Year to Date					
2018	8,356,505	4,313,293	3,581,718	40,502	420,993
2019	8,850,257	4,587,324	3,762,841	42,252	457,840
2020	9,224,896	4,771,730	3,962,118	39,080	451,968
Rolling 12 Months Ending in September					
2019	11,326,795	5,825,212	4,845,058	54,400	602,124
2020	11,975,197	6,152,786	5,158,075	52,404	611,932

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 2019 and prior years are final. Values for 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report, Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4 B Natural Gas Consumption for Useful Thermal Output,
by Sector, 2010-September 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	935,098	8,060	283,372	46,287	597,379
2016	1,151,866	38,096	356,905	80,943	675,922
2017	1,168,544	38,740	309,949	104,324	715,532
2018	1,205,962	43,156	331,952	81,856	748,997
2019	1,196,025	42,645	317,231	79,734	756,415
Year 2018					
January	107,213	3,929	28,934	7,417	66,933
February	94,793	3,366	26,629	6,706	58,093
March	100,213	3,557	28,088	6,844	61,724
April	92,932	2,942	25,265	6,133	58,592
May	94,707	3,306	26,238	6,099	59,064
June	97,016	3,642	26,642	6,537	60,196
July	107,003	4,484	30,339	7,649	64,531
August	105,929	4,079	29,861	7,691	64,297
Sept	99,289	3,479	27,089	6,581	62,140
October	99,045	3,013	27,218	6,411	62,402
November	101,846	3,185	27,080	6,829	64,751
December	105,976	4,174	28,570	6,959	66,273
Year 2019					
January	108,272	3,951	29,369	7,409	67,543
February	97,224	3,804	24,972	6,793	61,656
March	101,583	3,690	27,549	6,684	63,661
April	91,878	2,748	24,623	6,027	58,480
May	94,224	2,863	24,079	5,727	61,556
June	95,837	3,342	25,592	6,130	60,772
July	102,404	3,983	27,280	7,354	63,786
August	104,051	4,098	28,829	6,950	64,175
Sept	97,399	3,762	25,526	6,377	61,734
October	96,976	2,931	25,473	6,171	62,402
November	100,030	3,527	26,036	6,628	63,839
December	106,147	3,946	27,902	7,486	66,812
Year 2020					
January	110,376	3,952	29,591	7,417	69,416
February	101,476	3,765	27,602	6,840	63,269
March	102,945	3,868	28,178	6,673	64,226
April	97,212	3,744	25,879	5,909	61,679
May	97,962	3,618	26,933	5,895	61,516
June	98,138	3,829	27,774	6,026	60,510
July	104,421	4,633	29,468	6,621	63,700
August	104,386	4,407	29,712	6,633	63,634
Sept	97,282	3,623	28,066	6,124	59,469
Year to Date					
2018	899,096	32,784	249,084	61,657	555,571
2019	892,872	32,241	237,819	59,449	563,363
2020	914,199	35,439	253,204	58,138	567,418
Rolling 12 Months Ending in September					
2019	1,199,739	42,614	320,687	79,649	756,790
2020	1,217,352	45,843	332,616	78,423	760,471

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 2019 and prior years are final. Values for 2020 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.

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Table 2.4 C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-September 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	10,951,674	4,753,315	4,860,055	116,380	1,221,924
2016	11,321,975	5,056,990	4,928,280	127,246	1,209,459
2017	10,676,606	4,793,632	4,471,933	154,383	1,256,658
2018	12,039,005	5,594,338	4,995,888	134,507	1,314,273
2019	12,796,583	6,011,024	5,276,029	135,310	1,374,220
Year 2018					
January	913,142	429,820	356,285	11,562	115,475
February	801,310	367,190	322,924	10,592	100,604
March	872,661	399,383	357,239	10,914	105,124
April	815,600	375,343	328,647	9,750	101,860
May	963,226	462,873	385,276	10,300	104,776
June	1,070,972	523,947	428,696	11,170	107,159
July	1,352,652	643,783	579,885	13,167	115,816
August	1,314,829	609,689	575,984	13,285	115,872
Sept	1,151,210	534,049	495,866	11,419	109,877
October	1,008,383	460,387	427,556	10,702	109,738
November	886,519	398,665	364,401	10,589	112,863
December	888,503	389,208	373,128	11,058	115,109
Year 2019					
January	981,519	445,548	402,898	11,975	121,099
February	898,267	415,631	363,610	11,010	108,015
March	937,238	435,215	378,235	11,200	112,587
April	854,417	401,656	337,966	10,200	104,595
May	957,326	461,555	374,465	9,944	111,362
June	1,112,268	542,126	448,347	10,749	111,046
July	1,385,927	661,245	593,287	12,979	118,416
August	1,409,903	680,254	597,512	12,443	119,694
Sept	1,206,264	576,335	504,340	11,201	114,389
October	1,061,448	496,668	439,925	10,527	114,328
November	946,575	426,550	392,248	10,881	116,896
December	1,045,431	468,241	443,195	12,201	121,793
Year 2020					
January	1,068,364	492,445	438,782	12,119	125,018
February	1,003,444	469,812	408,815	11,057	113,760
March	1,004,930	476,647	402,181	10,756	115,345
April	880,255	418,659	345,297	9,425	106,874
May	951,485	459,790	373,906	9,699	108,090
June	1,165,757	560,612	484,779	10,275	110,091
July	1,500,857	719,665	653,238	11,667	116,288
August	1,408,692	669,876	610,670	11,612	116,533
Sept	1,155,312	539,663	497,654	10,608	107,387
Year to Date					
2018	9,255,601	4,346,077	3,830,802	102,158	976,563
2019	9,743,129	4,619,566	4,000,660	101,700	1,021,203
2020	10,139,095	4,807,170	4,215,322	97,218	1,019,386
Rolling 12 Months Ending in September					
2019	12,526,534	5,867,826	5,165,746	134,049	1,358,913
2020	13,192,550	6,198,628	5,490,691	130,827	1,372,403

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 2019 and prior years are final. Values for 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report, U.S. Energy Information Administration, Form EIA-920

Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report, Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.A. Landfill Gas: Consumption for Electricity Generation,
by Sector, 2010-September 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	282,530	25,257	227,381	25,250	4,642
2016	273,557	24,280	224,993	20,445	3,839
2017	278,112	25,074	229,050	20,121	3,866
2018	270,235	23,580	223,513	19,790	3,352
2019	257,494	22,726	214,819	16,874	3,075
Year 2018					
January	23,568	2,389	19,205	1,673	301
February	22,069	2,186	17,993	1,576	314
March	23,672	2,377	19,280	1,692	324
April	22,281	2,159	18,159	1,633	330
May	22,748	2,125	18,722	1,609	291
June	21,854	1,777	18,189	1,607	281
July	22,507	1,817	18,773	1,651	266
August	23,061	1,739	19,377	1,696	249
Sept	20,472	1,604	17,004	1,643	222
October	22,360	1,779	18,634	1,687	259
November	22,405	1,812	18,708	1,630	255
December	23,237	1,815	19,468	1,695	259
Year 2019					
January	22,792	2,043	18,790	1,704	255
February	20,542	1,803	16,998	1,508	233
March	22,380	2,008	18,459	1,642	271
April	20,457	1,890	17,249	1,057	261
May	20,947	1,952	17,959	778	258
June	21,359	1,857	17,889	1,360	254
July	21,932	1,873	18,326	1,493	240
August	21,963	1,898	18,295	1,518	253
Sept	20,789	1,811	17,246	1,477	256
October	21,252	1,843	17,705	1,436	268
November	20,712	1,807	17,237	1,419	248
December	22,369	1,942	18,665	1,482	280
Year 2020					
January	22,311	1,938	18,576	1,528	269
February	20,640	1,829	17,098	1,469	245
March	22,387	2,004	18,602	1,545	236
April	21,190	1,936	17,788	1,284	183
May	21,603	1,977	18,123	1,341	162
June	19,659	1,817	16,381	1,285	176
July	20,610	1,919	17,123	1,384	184
August	21,068	1,975	17,544	1,381	169
Sept	20,346	1,940	16,913	1,334	158
Year to Date					
2018	202,233	18,173	166,703	14,778	2,579
2019	193,161	17,134	161,212	12,537	2,279
2020	189,815	17,334	158,148	12,551	1,782
Rolling 12 Months Ending in September					
2019	261,163	22,541	218,022	17,548	3,052
2020	254,148	22,926	211,756	16,888	2,578

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 2019 and prior years are final. Values for 2020 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.

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Table 2.5 B. Landfill Gas: Consumption for Useful Thermal Output,
by Sector, 2010-September 2020 (Million Cubic Feet)

Period		Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
			Electric Utilities	Independent Power Producers		
Annual Totals						
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	
2015	1,522	2	644	515	362	
2016	4,163	3	2,339	1,034	788	
2017	3,940	2	1,948	1,099	891	
2018	3,621	0	1,867	911	843	
2019	3,570	5	1,933	820	812	
Year 2018						
January	321	0	176	68	77	
February	320	0	165	79	77	
March	340	0	175	82	83	
April	335	0	164	85	86	
May	285	0	140	71	74	
June	259	0	146	46	68	
July	278	0	139	76	64	
August	302	0	157	82	63	
Sept	290	0	150	82	58	
October	334	0	170	95	69	
November	276	0	134	73	68	
December	280	0	152	71	57	
Year 2019						
January	331	0	181	84	66	
February	301	0	175	67	58	
March	357	0	203	80	73	
April	362	0	184	102	75	
May	250	0	112	64	74	
June	283	0	146	77	59	
July	282	0	166	42	73	
August	267	0	128	73	65	
Sept	264	0	125	74	65	
October	317	0	168	77	71	
November	284	0	155	59	70	
December	273	0	190	21	62	
Year 2020						
January	392	0	278	36	78	
February	392	0	253	65	73	
March	318	0	176	73	69	
April	195	0	65	70	60	
May	252	0	143	54	55	
June	275	0	150	65	60	
July	300	0	167	76	57	
August	291	0	163	74	53	
Sept	294	0	166	74	54	
Year to Date						
2018	2,732	0	1,411	671	649	
2019	2,696	3	1,420	663	609	
2020	2,711	2	1,562	587	560	
Rolling 12 Months Ending in September						
2019	3,585	3	1,876	903	803	
2020	3,585	3	2,075	744	763	

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 2019 and prior years are final. Values for 2020 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.

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Table 2.5 C. Landfill Gas Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-September 2020 (Million Cubic Feet)

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
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	
2015	284,052	25,259	228,024	25,765	5,004	
2016	277,720	24,283	227,332	21,479	4,626	
2017	282,051	25,076	230,998	21,220	4,757	
2018	273,856	23,580	225,380	20,701	4,196	
2019	261,064	22,731	216,753	17,694	3,887	
Year 2018						
January	23,890	2,389	19,382	1,741	378	
February	22,390	2,186	18,158	1,655	390	
March	24,012	2,377	19,455	1,774	407	
April	22,616	2,159	18,323	1,718	416	
May	23,033	2,125	18,862	1,680	366	
June	22,113	1,777	18,335	1,652	349	
July	22,785	1,817	18,912	1,726	330	
August	23,363	1,739	19,534	1,778	313	
Sept	20,763	1,604	17,154	1,725	280	
October	22,694	1,779	18,804	1,783	328	
November	22,681	1,812	18,842	1,703	324	
December	23,516	1,815	19,620	1,766	316	
Year 2019						
January	23,123	2,043	18,971	1,788	321	
February	20,843	1,804	17,173	1,576	291	
March	22,737	2,008	18,662	1,722	344	
April	20,819	1,891	17,433	1,159	336	
May	21,197	1,952	18,072	842	332	
June	21,642	1,857	18,035	1,438	313	
July	22,214	1,874	18,492	1,535	313	
August	22,230	1,898	18,423	1,591	317	
Sept	21,053	1,811	17,371	1,550	321	
October	21,569	1,843	17,873	1,514	339	
November	20,996	1,807	17,392	1,478	319	
December	22,642	1,942	18,855	1,503	342	
Year 2020						
January	22,703	1,938	18,854	1,565	347	
February	21,032	1,829	17,352	1,534	317	
March	22,705	2,004	18,777	1,618	306	
April	21,386	1,936	17,853	1,354	243	
May	21,856	1,977	18,267	1,394	218	
June	19,934	1,817	16,531	1,350	236	
July	20,910	1,919	17,290	1,460	241	
August	21,360	1,975	17,707	1,455	222	
Sept	20,641	1,940	17,079	1,408	212	
Year to Date						
2018	204,964	18,173	168,114	15,449	3,228	
2019	195,857	17,138	162,632	13,200	2,888	
2020	192,526	17,336	159,710	13,138	2,342	
Rolling 12 Months Ending in September						
2019	264,749	22,545	219,898	18,451	3,855	
2020	257,733	22,929	213,831	17,632	3,341	

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed. The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

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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.

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Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2010-September 2020 (Thousand Tons)

		Electric Power Sector				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals						
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
2015	16,631	452	13,797	2,375		8
2016	16,994	464	13,953	2,566		11
2017	16,348	422	13,381	2,537		8
2018	16,783	467	13,859	2,448		9
2019	15,559	297	12,941	2,310		10
Year 2018						
January	1,370	28	1,147	195		0
February	1,297	26	1,090	180		1
March	1,398	40	1,153	204		1
April	1,356	38	1,117	200		1
May	1,419	43	1,158	217		1
June	1,476	42	1,218	214		1
July	1,479	48	1,224	207		1
August	1,483	47	1,220	215		1
Sept	1,334	36	1,097	199		1
October	1,387	43	1,140	205		0
November	1,369	39	1,127	202		0
December	1,416	37	1,169	210		0
Year 2019						
January	1,322	30	1,092	199		1
February	1,158	20	961	177		1
March	1,255	20	1,046	188		1
April	1,235	28	1,014	193		1
May	1,337	26	1,112	198		1
June	1,323	25	1,098	200		1
July	1,369	27	1,146	194		1
August	1,396	29	1,167	200		1
Sept	1,288	21	1,076	191		1
October	1,271	28	1,056	187		1
November	1,270	25	1,062	183		1
December	1,333	20	1,112	201		1
Year 2020						
January	1,287	19	1,079	188		1
February	1,183	14	1,002	166		1
March	1,309	26	1,096	186		1
April	1,246	25	1,049	171		1
May	1,289	24	1,081	183		1
June	1,210	25	1,005	178		1
July	1,337	26	1,120	190		1
August	1,357	26	1,145	185		1
Sept	1,253	23	1,059	171		1
Year to Date						
2018	12,611	348	10,424	1,832		8
2019	11,684	225	9,712	1,739		7
2020	11,470	209	9,636	1,617		8
Rolling 12 Months Ending in September						
2019	15,856	344	13,147	2,356		8
2020	15,345	281	12,866	2,187		11

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 2019 and prior years are final. Values for 2020 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.

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Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2010-September 2020 (Thousand Tons)

by Sector, 2010 September 2020 (Thousand kWh)					
Electric Power Sector					
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	1,986	0	655	1,127	203
2016	2,232	0	885	1,134	213
2017	2,124	0	814	1,102	208
2018	2,050	0	752	1,109	189
2019	1,667	0	743	737	187
Year 2018					
January	182	0	64	102	17
February	163	0	60	91	12
March	169	0	64	93	12
April	160	0	54	90	16
May	176	0	59	101	16
June	177	0	65	95	18
July	180	0	65	98	17
August	183	0	66	95	21
Sept	144	0	58	68	17
October	160	0	61	83	16
November	173	0	66	93	14
December	182	0	70	100	13
Year 2019					
January	173	0	66	92	15
February	155	0	63	77	15
March	153	0	67	70	16
April	115	0	56	43	17
May	127	0	64	52	12
June	137	0	64	59	15
July	136	0	67	53	16
August	139	0	62	56	21
Sept	124	0	53	56	15
October	130	0	57	58	15
November	139	0	63	61	15
December	139	0	61	62	15
Year 2020					
January	139	0	73	53	13
February	133	0	69	47	16
March	131	0	62	54	15
April	131	0	61	54	16
May	140	0	67	57	16
June	123	0	67	43	13
July	128	0	59	54	15
August	141	0	64	56	21
Sept	115	0	51	48	15
Year to Date					
2018	1,534	0	555	833	146
2019	1,259	0	562	555	142
2020	1,181	0	574	466	141
Rolling 12 Months Ending in September					
2019	1,775	0	759	832	185
2020	1,589	0	754	648	187

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 2019 and prior years are final. Values for 2020 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.

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Table 2.6.C. Biogenic Municipal Solid Waste Consumption for Electricity Generation and

Useful Thermal Output, by Sector, 2010-September 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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
2015	18,617	452	14,452	3,502	211
2016	19,226	464	14,838	3,700	224
2017	18,473	422	14,195	3,639	216
2018	18,833	467	14,611	3,557	197
2019	17,225	297	13,684	3,047	197
Year 2018					
January	1,552	28	1,211	296	17
February	1,459	26	1,150	271	13
March	1,567	40	1,217	297	13
April	1,516	38	1,171	290	17
May	1,595	43	1,217	319	17
June	1,653	42	1,283	309	19
July	1,659	48	1,288	305	18
August	1,666	47	1,286	311	22
Sept	1,478	36	1,156	268	18
October	1,547	43	1,201	288	16
November	1,542	39	1,193	295	14
December	1,598	37	1,238	310	13
Year 2019					
January	1,495	30	1,158	291	16
February	1,313	20	1,024	254	16
March	1,408	20	1,114	258	17
April	1,350	28	1,069	235	18
May	1,465	26	1,176	249	13
June	1,461	25	1,162	258	15
July	1,504	27	1,213	247	17
August	1,535	29	1,229	256	22
Sept	1,412	21	1,129	246	16
October	1,401	28	1,113	245	16
November	1,409	25	1,125	244	15
December	1,472	20	1,173	263	16
Year 2020					
January	1,426	19	1,152	240	14
February	1,316	14	1,071	214	17
March	1,439	26	1,158	240	16
April	1,377	25	1,110	224	17
May	1,429	24	1,148	239	17
June	1,333	25	1,072	221	14
July	1,465	26	1,179	245	16
August	1,498	26	1,209	241	22
Sept	1,368	23	1,110	219	16
Year to Date					
2018	14,145	348	10,979	2,665	154
2019	12,943	225	10,273	2,295	149
2020	12,651	209	10,210	2,083	150
Rolling 12 Months Ending in September					
2019	17,631	344	13,906	3,188	193
2020	16,934	281	13,620	2,835	198

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 2019 and prior years are final Values for 2020 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. Wood / Wood Waste Biomass. Consumption for Electricity Generation, by Sector, 2010-September 2020 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2010	349,530	40,167	137,072	274	172,016
2011	347,623	35,474	130,108	482	181,559
2012	390,342	32,723	138,217	478	218,924
2013	397,929	43,363	143,721	536	210,308
2014	431,285	45,643	174,513	961	210,167
2015	406,650	43,919	171,387	504	190,840
2016	359,983	41,036	149,516	473	168,959
2017	363,646	42,806	151,877	460	168,503
2018	361,703	45,856	143,288	520	172,039
2019	338,317	42,240	128,980	583	166,514
Year 2018					
January	33,136	4,713	13,790	63	14,571
February	28,906	3,689	12,141	42	13,033
March	31,435	4,501	12,243	36	14,655
April	26,860	2,966	10,597	16	13,280
May	29,530	3,196	11,683	32	14,619
June	31,205	3,909	12,733	53	14,509
July	33,490	4,670	13,260	59	15,501
August	32,186	4,427	12,624	69	15,067
Sept	28,704	3,340	11,278	52	14,034
October	27,972	3,376	10,642	27	13,927
November	28,539	3,741	10,733	20	14,044
December	29,741	3,326	11,563	51	14,801
Year 2019					
January	31,330	4,132	12,533	52	14,613
February	26,761	3,408	10,117	57	13,179
March	28,083	3,232	10,362	72	14,418
April	23,804	2,677	8,499	24	12,604
May	26,723	3,451	10,257	18	12,997
June	27,518	2,894	10,815	31	13,778
July	31,373	4,740	11,694	101	14,838
August	31,913	5,205	11,694	63	14,951
Sept	28,163	3,594	11,078	51	13,440
October	26,246	2,962	9,729	42	13,513
November	26,964	2,194	11,052	35	13,684
December	29,438	3,751	11,151	37	14,500
Year 2020					
January	28,388	3,247	10,789	48	14,305
February	27,087	3,138	10,527	41	13,381
March	26,785	2,514	10,151	32	14,089
April	24,389	2,091	9,026	8	13,264
May	26,080	2,346	10,272	29	13,433
June	25,037	2,338	9,927	54	12,719
July	26,684	3,012	10,347	88	13,237
August	29,300	4,169	11,575	89	13,467
Sept	23,986	1,725	9,257	45	12,960
Year to Date					
2018	275,451	35,412	110,350	422	129,267
2019	255,669	33,333	97,048	470	124,818
2020	237,737	24,580	91,870	434	120,853
Rolling 12 Months Ending in September					
2019	341,920	43,776	129,986	567	167,590
2020	320,385	33,488	123,801	547	162,549

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 2019 and prior years are final. Values for 2020 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.B Wood / Wood Waste Biomass. Consumption for Useful Thermal Output,
by Sector, 2010-September 2020 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2010	876,041	0	18,357	1,064	856,620
2011	893,314	0	16,577	1,022	875,716
2012	883,158	0	19,251	949	862,958
2013	919,631	0	20,342	950	898,339
2014	946,344	8,835	22,262	3,766	911,481
2015	943,962	9,351	19,200	3,714	911,697
2016	969,841	10,950	22,905	4,520	931,465
2017	939,633	11,656	22,986	4,522	900,469
2018	929,365	10,297	21,623	4,806	892,639
2019	907,420	3,564	25,740	4,969	873,147
Year 2018					
January	81,175	844	2,115	454	77,762
February	73,007	878	2,141	474	69,514
March	78,989	948	1,966	493	75,583
April	73,967	869	1,533	339	71,225
May	77,198	673	1,679	319	74,528
June	75,544	655	1,683	402	72,805
July	80,237	991	1,899	382	76,964
August	79,868	854	1,930	417	76,667
Sept	73,254	655	1,676	336	70,587
October	76,266	1,005	1,607	329	73,326
November	76,373	891	1,635	343	73,503
December	83,486	1,033	1,759	518	80,175
Year 2019					
January	81,039	449	2,361	544	77,685
February	73,341	412	2,142	478	70,309
March	77,242	410	2,134	436	74,262
April	72,647	421	2,095	344	69,788
May	74,589	127	2,256	356	71,850
June	73,406	186	2,365	342	70,512
July	76,941	286	2,031	403	74,220
August	77,355	190	2,179	398	74,588
Sept	72,370	117	2,067	394	69,791
October	74,506	233	1,711	423	72,140
November	75,571	346	2,122	442	72,662
December	78,415	386	2,277	410	75,342
Year 2020					
January	77,233	288	2,427	484	74,034
February	73,399	272	2,523	454	70,149
March	74,478	266	2,582	353	71,277
April	72,387	224	1,976	238	69,948
May	76,448	244	2,594	322	73,289
June	68,307	252	2,057	395	65,605
July	71,066	280	2,033	251	68,503
August	69,907	285	2,528	245	66,850
Sept	70,804	224	2,239	166	68,174
Year to Date					
2018	693,240	7,367	16,622	3,616	665,635
2019	678,928	2,599	19,630	3,695	653,004
2020	654,029	2,336	20,960	2,906	627,828
Rolling 12 Months Ending in September					
2019	915,053	5,529	24,630	4,885	880,009
2020	882,522	3,301	27,070	4,180	847,971

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.

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Table 2.7.C. Wood / Wood Waste Biomass: Consumption for Electricity Generation and

Useful Thermal Output, by Sector, 2010-September 2020 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2010	1,225,571	40,167	155,429	1,338	1,028,637
2011	1,240,937	35,474	146,684	1,504	1,057,275
2012	1,273,500	32,723	157,468	1,427	1,081,882
2013	1,317,560	43,363	164,063	1,486	1,108,647
2014	1,377,629	54,478	196,775	4,727	1,121,648
2015	1,350,612	53,269	190,587	4,219	1,102,537
2016	1,329,824	51,986	172,421	4,993	1,100,424
2017	1,303,279	54,462	174,862	4,982	1,068,972
2018	1,291,068	56,153	164,911	5,326	1,064,678
2019	1,245,737	45,804	154,720	5,552	1,039,661
Year 2018					
January	114,312	5,557	15,905	517	92,333
February	101,913	4,567	14,282	516	82,547
March	110,425	5,449	14,209	528	90,238
April	100,826	3,835	12,131	356	84,505
May	106,728	3,869	13,362	351	89,146
June	106,749	4,564	14,416	455	87,314
July	113,727	5,661	15,160	441	92,465
August	112,054	5,281	14,554	486	91,733
Sept	101,958	3,995	12,954	388	84,621
October	104,238	4,381	12,248	356	87,253
November	104,912	4,633	12,368	363	87,548
December	113,227	4,360	13,322	569	94,976
Year 2019					
January	112,369	4,581	14,894	596	92,297
February	100,102	3,820	12,259	535	83,488
March	105,325	3,641	12,496	508	88,680
April	96,451	3,098	10,594	368	82,392
May	101,311	3,578	12,513	374	84,847
June	100,924	3,081	13,179	373	84,291
July	108,314	5,026	13,725	505	89,058
August	109,267	5,395	13,873	461	89,539
Sept	100,533	3,712	13,145	446	83,230
October	100,752	3,195	11,441	464	85,652
November	102,536	2,540	13,174	477	86,345
December	107,853	4,138	13,428	447	89,841
Year 2020					
January	105,622	3,535	13,216	532	88,338
February	100,485	3,411	13,050	495	83,530
March	101,264	2,780	12,733	385	85,365
April	96,775	2,315	11,003	246	83,212
May	102,528	2,590	12,865	351	86,721
June	93,345	2,589	11,984	448	78,324
July	97,750	3,292	12,379	339	81,740
August	99,208	4,454	14,103	334	80,316
Sept	94,790	1,950	11,496	210	81,134
Year to Date					
2018	968,691	42,779	126,972	4,038	794,902
2019	934,596	35,931	116,678	4,164	777,822
2020	891,766	26,916	112,830	3,339	748,681
Rolling 12 Months Ending in September					
2019	1,256,973	49,305	154,617	5,452	1,047,599
2020	1,202,907	36,789	150,871	4,727	1,010,520

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.

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Table 2.8 A. Consumption of Coal for Electricity Generation by State, by Sector,
September 2020 and September 2019 (Thousand Tons)

Census Division and State				Electric Power Sector									
	All Sectors			Electric Utilities		Independent Power Producers				Commercial Sector		Industrial Sector	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	1	8	-84.0%	0	6	1	1	0	0	NM	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0	0	0
Maine	1	1	-21.0%	0	0	1	1	0	0	NM	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	6	-100.0%	0	6	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0	0	0
Middle Atlantic	921	1,283	-28.0%	0	0	919	1,282	0	0	0	1	1	1
New Jersey	38	37	0.8%	0	0	38	37	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0	0	0
Pennsylvania	883	1,246	-29.0%	0	0	882	1,245	0	0	1	1	1	1
East North Central	7,366	9,429	-22.0%	4,722	5,439	2,595	3,944	1	1	48	45	45	45
Illinois	1,213	2,463	-51.0%	70	155	1,104	2,268	0	0	39	40	40	40
Indiana	2,142	2,323	-7.8%	1,957	2,131	184	190	1	1	0	0	0	0
Michigan	1,384	1,812	-24.0%	1,371	1,794	13	18	0	0	0	1	1	1
Ohio	1,494	1,705	-12.0%	200	237	1,294	1,468	0	0	0	0	0	0
Wisconsin	1,133	1,126	0.5%	1,124	1,122	0	0	0	0	9	4	4	4
West North Central	7,560	8,184	-7.6%	7,494	8,093	0	0	2	2	65	90	90	90
Iowa	689	968	-29.0%	651	926	0	0	2	2	36	41	41	41
Kansas	1,069	1,071	-0.2%	1,069	1,071	0	0	0	0	0	0	0	0
Minnesota	737	761	-3.1%	734	751	0	0	0	0	3	10	10	10
Missouri	2,554	2,483	2.9%	2,554	2,483	0	0	0	0	0	0	0	0
Nebraska	880	1,210	-27.0%	858	1,174	0	0	0	0	22	36	36	36
North Dakota	1,571	1,570	0.0%	1,567	1,566	0	0	0	0	3	4	4	4
South Dakota	61	121	-50.0%	61	121	0	0	0	0	0	0	0	0
South Atlantic	4,988	6,664	-25.0%	4,403	5,881	575	770	1	1	9	13	13	13
Delaware	5	0	--	0	0	5	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0	0	0
Florida	856	873	-1.9%	856	872	0	0	0	0	1	1	1	1
Georgia	961	1,439	-33.0%	958	1,437	0	0	0	0	3	2	2	2
Maryland	140	300	-53.0%	0	0	140	300	0	0	0	0	0	0
North Carolina	785	1,429	-45.0%	779	1,424	4	2	1	1	2	2	2	2
South Carolina	497	631	-21.0%	494	628	3	3	0	0	0	0	0	0
Virginia	69	91	-23.0%	63	82	2	2	0	0	4	7	7	7
West Virginia	1,675	1,902	-12.0%	1,254	1,439	421	463	0	0	0	0	0	0
East South Central	4,186	5,376	-22.0%	3,989	5,234	190	134	0	0	7	8	8	8
Alabama	1,220	1,304	-6.4%	1,220	1,304	0	0	0	0	0	0	0	0
Kentucky	1,753	2,392	-27.0%	1,753	2,392	0	0	0	0	0	0	0	0
Mississippi	379	325	17.0%	189	191	190	134	0	0	0	0	0	0
Tennessee	834	1,355	-38.0%	826	1,347	0	0	0	0	7	8	8	8
West South Central	7,000	8,270	-15.0%	3,409	4,477	3,586	3,786	0	0	5	6	6	6
Arkansas	951	1,471	-35.0%	778	1,256	173	214	0	0	0	1	1	1
Louisiana	323	673	-52.0%	312	593	10	80	0	0	0	0	0	0
Oklahoma	492	562	-13.0%	487	557	0	0	0	0	5	6	6	6
Texas	5,234	5,564	-5.9%	1,831	2,072	3,403	3,492	0	0	0	0	0	0
Mountain	5,841	7,182	-19.0%	5,359	6,124	474	1,050	0	0	8	8	8	8
Arizona	884	1,232	-28.0%	884	1,232	0	0	0	0	0	0	0	0
Colorado	939	1,156	-19.0%	939	1,156	0	0	0	0	0	0	0	0
Idaho	NM	1	NM	0	0	0	0	0	0	NM	1	1	1
Montana	377	938	-60.0%	13	23	364	915	0	0	0	0	0	0
Nevada	124	146	-15.0%	88	92	36	54	0	0	0	0	0	0
New Mexico	809	789	2.5%	809	789	0	0	0	0	0	0	0	0
Utah	1,075	1,002	7.4%	1,045	966	30	36	0	0	0	0	0	0
Wyoming	1,632	1,919	-15.0%	1,581	1,866	44	46	0	0	7	7	7	7
Pacific Contiguous	734	689	6.6%	208	173	521	512	0	0	5	3	3	3
California	4	3	53.0%	0	0	0	0	0	0	4	3	3	3
Oregon	208	173	20.0%	208	173	0	0	0	0	0	0	0	0
Washington	521	513	1.7%	0	0	521	512	0	0	1	0	0	0
Pacific Noncontiguous	104	104	-0.1%	NM	26	65	75	3	2	0	0	0	0
Alaska	52	42	23.0%	NM	26	13	13	3	2	0	0	0	0
Hawaii	52	62	-16.0%	0	0	52	62	0	0	0	0	0	0
U S Total	38,701	47,188	-18.0%	29,619	35,453	8,927	11,554	7	6	149	175	175	175

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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.

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Table 2.8.B. Consumption of Coal for Electricity Generation by State, by Sector,
Year-to-Date through September 2020 and September 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	September 2020 YTD	September 2019 YTD	Percentage Change	Electric Utilities		Independent Power Producers		September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
				September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD				
New England	37	182	-80.0%	25	123	10	57	0	0	2	3
Connecticut	2	48	-96.0%	0	0	2	48	0	0	0	0
Maine	10	12	-18.0%	0	0	8	9	0	0	2	3
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	25	123	-80.0%	25	123	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	10,401	15,376	-32.0%	0	0	10,391	15,357	0	0	10	19
New Jersey	312	335	-7.1%	0	0	312	335	0	0	0	0
New York	64	187	-66.0%	0	0	64	187	0	0	0	0
Pennsylvania	10,025	14,854	-33.0%	0	0	10,015	14,835	0	0	10	19
East North Central	65,495	91,534	-28.0%	39,404	54,382	25,651	36,685	6	11	435	456
Illinois	13,236	23,184	-43.0%	770	1,533	12,106	21,293	2	4	357	355
Indiana	17,671	24,329	-27.0%	16,006	22,856	1,661	1,466	3	7	0	0
Michigan	11,046	16,862	-34.0%	10,906	16,717	139	136	0	0	0	8
Ohio	13,270	15,621	-15.0%	1,525	1,831	11,744	13,790	0	0	0	0
Wisconsin	10,273	11,538	-11.0%	10,196	11,445	0	0	0	0	77	93
West North Central	68,025	79,359	-14.0%	67,392	78,537	0	0	11	15	622	807
Iowa	6,556	10,388	-37.0%	6,206	9,998	0	0	10	13	340	377
Kansas	8,691	8,881	-2.1%	8,691	8,881	0	0	0	0	0	0
Minnesota	5,864	8,122	-28.0%	5,830	7,982	0	0	0	1	34	140
Missouri	22,029	25,238	-13.0%	22,028	25,236	0	0	1	1	0	0
Nebraska	9,042	10,235	-12.0%	8,826	9,972	0	0	0	0	216	263
North Dakota	15,094	15,242	-1.0%	15,062	15,215	0	0	0	0	31	27
South Dakota	749	1,253	-40.0%	749	1,253	0	0	0	0	0	0
South Atlantic	40,208	55,390	-27.0%	35,783	49,544	4,328	5,712	6	8	91	126
Delaware	50	81	-38.0%	0	0	50	81	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	5,474	7,145	-23.0%	5,470	7,137	0	0	0	0	4	8
Georgia	5,370	11,189	-52.0%	5,342	11,160	0	0	0	0	27	30
Maryland	1,236	2,063	-40.0%	0	0	1,236	2,055	0	0	0	8
North Carolina	6,673	9,735	-31.0%	6,622	9,684	27	23	6	7	18	20
South Carolina	4,022	4,982	-19.0%	3,991	4,945	30	35	0	0	1	2
Virginia	1,466	1,536	-4.5%	1,409	1,434	16	42	0	1	41	59
West Virginia	15,916	18,660	-15.0%	12,948	15,184	2,968	3,476	0	0	0	0
East South Central	33,594	41,365	-19.0%	31,258	39,087	2,272	2,199	0	0	64	79
Alabama	8,694	10,695	-19.0%	8,694	10,690	0	0	0	0	0	5
Kentucky	15,926	19,835	-20.0%	15,926	19,835	0	0	0	0	0	0
Mississippi	3,346	3,342	0.1%	1,074	1,143	2,272	2,199	0	0	0	0
Tennessee	5,628	7,492	-25.0%	5,564	7,418	0	0	0	0	64	74
West South Central	53,773	69,216	-22.0%	25,699	36,840	28,038	32,321	0	0	37	55
Arkansas	7,227	10,656	-32.0%	5,902	9,054	1,320	1,596	0	0	5	6
Louisiana	2,329	4,417	-47.0%	2,192	3,501	136	916	0	0	0	0
Oklahoma	3,018	4,700	-36.0%	2,986	4,650	0	0	0	0	32	50
Texas	41,199	49,444	-17.0%	14,618	19,635	26,581	29,809	0	0	0	0
Mountain	48,634	60,232	-19.0%	43,226	52,351	5,336	7,814	0	0	72	67
Arizona	5,969	10,378	-42.0%	5,969	10,378	0	0	0	0	0	0
Colorado	8,648	10,648	-19.0%	8,648	10,647	0	0	0	0	0	1
Idaho	3	3	17.0%	0	0	0	0	0	0	3	3
Montana	4,437	6,890	-36.0%	157	214	4,277	6,673	0	0	3	3
Nevada	870	1,189	-27.0%	427	751	444	438	0	0	0	0
New Mexico	5,866	6,085	-3.6%	5,866	6,085	0	0	0	0	0	0
Utah	7,714	8,679	-11.0%	7,487	8,370	226	309	0	0	0	0
Wyoming	15,127	16,360	-7.5%	14,672	15,905	389	394	0	0	66	61
Pacific Contiguous	2,808	4,227	-34.0%	911	1,032	1,850	3,158	0	0	47	38
California	42	33	28.0%	0	0	0	0	0	0	42	33
Oregon	911	1,032	-12.0%	911	1,032	0	0	0	0	0	0
Washington	1,856	3,163	-41.0%	0	0	1,850	3,158	0	0	5	5
Pacific Noncontiguous	897	936	-4.2%	266	275	603	638	28	23	0	0
Alaska	416	408	2.0%	266	275	122	110	28	23	0	0
Hawaii	481	528	-8.9%	0	0	481	528	0	0	0	0
U.S. Total	323,871	417,818	-22.0%	243,963	312,170	78,478	103,940	51	57	1,379	1,651

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

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Table 2.9.A Consumption of Petroleum Liquids for Electricity Generation by State, by Sector,
September 2020 and September 2019 (Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	10	10	0.6%	3	2	5	6	2	1	0	0
Connecticut	4	3	25.0%	1	1	3	2	0	0	0	0
Maine	2	3	-31.0%	0	0	1	2	1	1	0	0
Massachusetts	3	3	-9.9%	NM	0	NM	2	0	0	0	0
New Hampshire	1	1	-17.0%	0	1	NM	0	0	1	0	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	NM	0
Vermont	NM	0	NM	NM	0	0	0	0	0	0	0
Middle Atlantic	26	24	4.9%	12	2	10	20	2	0	2	2
New Jersey	NM	2	NM	0	0	NM	2	NM	0	0	0
New York	17	6	191.0%	12	2	4	3	NM	0	0	0
Pennsylvania	7	17	-57.0%	0	0	4	15	1	0	2	2
East North Central	38	77	-51.0%	25	56	12	19	NM	0	1	1
Illinois	5	8	-40.0%	NM	1	4	6	NM	0	0	0
Indiana	8	19	-58.0%	8	18	0	0	0	0	0	1
Michigan	11	19	-43.0%	11	19	0	0	NM	0	0	0
Ohio	10	24	-58.0%	1	11	9	13	0	0	0	0
Wisconsin	NM	7	NM	NM	7	0	0	NM	0	0	0
West North Central	42	58	-27.0%	41	56	NM	2	0	0	0	0
Iowa	11	7	47.0%	10	7	NM	1	0	0	0	0
Kansas	10	21	-54.0%	10	21	0	0	0	0	0	0
Minnesota	4	9	-51.0%	NM	7	NM	1	NM	0	0	0
Missouri	11	13	-15.0%	11	13	0	0	0	0	0	0
Nebraska	NM	3	NM	NM	3	0	0	0	0	0	0
North Dakota	4	3	25.0%	4	3	0	0	0	0	0	0
South Dakota	NM	2	NM	NM	2	0	0	NM	0	0	0
South Atlantic	166	154	7.6%	116	103	27	25	17	22	6	5
Delaware	2	0	869.0%	0	0	2	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	37	38	-1.4%	34	36	1	1	0	0	2	1
Georgia	8	13	-40.0%	5	9	NM	0	0	1	3	3
Maryland	12	15	-22.0%	2	0	10	14	NM	1	0	0
North Carolina	12	18	-34.0%	10	17	NM	0	NM	0	1	1
South Carolina	8	13	-35.0%	7	11	1	1	NM	0	0	1
Virginia	62	37	69.0%	32	9	13	7	17	20	NM	0
West Virginia	25	20	20.0%	25	20	0	0	0	0	0	0
East South Central	20	32	-38.0%	19	31	NM	0	0	0	0	1
Alabama	1	2	-63.0%	NM	2	NM	0	0	0	NM	0
Kentucky	7	12	-38.0%	7	12	0	0	0	0	0	0
Mississippi	0	2	-85.0%	0	2	0	0	0	0	0	0
Tennessee	11	16	-30.0%	11	16	0	0	0	0	0	0
West South Central	19	14	35.0%	17	12	NM	1	0	0	0	1
Arkansas	4	3	23.0%	4	2	0	1	0	0	NM	0
Louisiana	NM	2	NM	NM	2	0	0	0	0	0	0
Oklahoma	3	3	1.5%	3	3	0	0	0	0	0	0
Texas	9	5	73.0%	8	5	NM	0	0	0	0	0
Mountain	57	82	-30.0%	54	81	3	1	NM	0	0	0
Arizona	9	8	11.0%	9	8	0	0	NM	0	0	0
Colorado	NM	3	NM	NM	3	0	0	0	0	0	0
Idaho	0	0	-100.0%	0	0	0	0	0	0	0	0
Montana	2	1	76.0%	NM	0	2	1	0	0	0	0
Nevada	1	2	-42.0%	1	2	0	0	0	0	0	0
New Mexico	27	56	-51.0%	27	56	0	0	0	0	0	0
Utah	8	6	41.0%	7	6	1	0	0	0	0	0
Wyoming	9	6	32.0%	9	6	0	0	0	0	0	0
Pacific Contiguous	11	9	23.0%	8	6	2	2	NM	0	1	0
California	8	6	21.0%	5	6	2	1	0	0	1	0
Oregon	NM	1	NM	NM	1	0	0	NM	0	0	0
Washington	3	2	41.0%	2	0	NM	1	0	0	1	0
Pacific Noncontiguous	1,023	1,210	-15.0%	835	956	171	226	1	3	16	25
Alaska	127	159	-20.0%	121	152	NM	1	NM	0	6	7
Hawaii	896	1,050	-15.0%	714	804	171	226	1	2	10	18
U.S. Total	1,411	1,669	-15.0%	1,129	1,305	233	302	23	27	27	35

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

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Table 2.9 B Consumption of Petroleum Liquids for Electricity Generation by State, by Sector,
Year-to-Date through September 2020 and September 2019 (Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	177	279	-37.0%	33	38	121	202	16	29	7	10
Connecticut	52	58	-9.5%	7	6	45	47	0	3	0	2
Maine	35	41	-15.0%	0	0	25	28	3	6	6	7
Massachusetts	59	137	-57.0%	10	9	44	117	5	10	0	1
New Hampshire	21	32	-33.0%	13	21	NM	2	7	9	0	0
Rhode Island	7	10	-31.0%	0	0	NM	8	0	1	NM	0
Vermont	3	3	2.4%	3	3	0	0	0	0	0	0
Middle Atlantic	564	1,240	-55.0%	181	403	347	786	16	21	19	30
New Jersey	39	88	-55.0%	0	3	38	83	0	2	0	1
New York	367	807	-55.0%	180	400	175	382	8	13	4	12
Pennsylvania	158	345	-54.0%	0	0	134	320	8	7	15	17
East North Central	619	740	-16.0%	423	486	191	242	1	3	4	9
Illinois	57	73	-22.0%	10	12	47	61	0	0	0	0
Indiana	166	192	-14.0%	165	187	0	0	0	NM	1	5
Michigan	158	148	6.5%	156	146	0	0	0	2	1	1
Ohio	161	239	-33.0%	19	61	141	175	0	0	1	2
Wisconsin	77	88	-13.0%	73	81	3	6	NM	1	0	0
West North Central	516	598	-14.0%	502	580	9	14	3	2	1	1
Iowa	100	104	-4.4%	96	99	4	5	0	0	0	0
Kansas	124	127	-2.3%	124	127	0	0	0	0	0	0
Minnesota	64	69	-6.3%	54	57	NM	9	3	2	1	1
Missouri	139	187	-25.0%	139	186	0	0	0	0	0	0
Nebraska	25	33	-23.0%	25	33	0	0	0	0	0	0
North Dakota	48	53	-10.0%	48	53	0	0	0	0	0	0
South Dakota	16	25	-36.0%	16	25	0	0	NM	0	0	0
South Atlantic	1,334	1,787	-25.0%	958	1,354	216	277	117	106	44	50
Delaware	18	32	-44.0%	0	0	18	32	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	271	441	-39.0%	251	425	8	5	0	0	11	11
Georgia	94	137	-32.0%	74	102	NM	6	2	7	16	24
Maryland	137	143	-3.7%	3	3	133	137	NM	1	0	1
North Carolina	181	283	-36.0%	169	269	4	7	NM	2	6	6
South Carolina	86	117	-27.0%	80	107	2	4	NM	0	4	5
Virginia	346	460	-25.0%	179	276	48	85	114	96	6	3
West Virginia	201	173	16.0%	201	172	0	2	0	0	0	0
East South Central	280	395	-29.0%	273	383	2	3	0	0	5	8
Alabama	11	26	-57.0%	7	18	2	3	0	0	3	5
Kentucky	99	117	-15.0%	99	117	0	0	0	0	0	0
Mississippi	10	21	-53.0%	9	20	0	0	0	0	1	1
Tennessee	159	231	-31.0%	158	229	0	0	0	0	1	2
West South Central	191	196	-2.8%	149	149	39	40	0	1	2	7
Arkansas	63	55	14.0%	50	36	12	16	0	0	NM	2
Louisiana	22	30	-27.0%	22	30	0	0	0	0	0	0
Oklahoma	31	33	-6.6%	30	31	0	0	0	0	1	2
Texas	76	79	-3.9%	48	53	27	23	0	1	1	2
Mountain	715	769	-7.0%	699	746	16	23	NM	0	0	0
Arizona	56	91	-39.0%	56	91	0	0	NM	0	0	0
Colorado	13	20	-33.0%	13	20	0	0	0	0	0	0
Idaho	0	0	-66.0%	0	0	0	0	0	0	0	0
Montana	12	21	-45.0%	NM	4	11	18	0	0	0	0
Nevada	10	20	-52.0%	8	17	2	3	0	0	0	0
New Mexico	511	508	0.5%	511	508	0	0	0	0	0	0
Utah	53	49	8.3%	50	47	3	2	0	0	0	0
Wyoming	61	59	2.9%	61	59	0	0	0	0	0	0
Pacific Contiguous	105	102	3.0%	63	64	29	20	1	1	12	17
California	70	68	2.2%	47	51	17	6	0	1	5	11
Oregon	7	11	-38.0%	7	11	0	0	NM	0	0	0
Washington	28	22	26.0%	9	2	12	14	0	0	7	6
Pacific Noncontiguous	8,962	9,579	-6.4%	7,354	7,554	1,413	1,803	21	18	174	205
Alaska	1,335	1,129	18.0%	1,283	1,073	3	4	4	5	45	48
Hawaii	7,627	8,450	-9.7%	6,071	6,480	1,410	1,800	17	13	129	157
U.S. Total	13,463	15,685	-14.0%	10,635	11,757	2,384	3,410	176	182	269	336

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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.

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Table 2.10.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector,
September 2020 and September 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers		September 2020	September 2019	September 2020	September 2019
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019				
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	1	1	27.0%	0	0	0	0	0	0	1	1
New Jersey	1	1	31.0%	0	0	0	0	0	0	1	1
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	-100.0%	0	0	0	0	0	0	0	0
East North Central	46	53	-12.0%	22	26	NM	20	0	0	6	7
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	25	29	-16.0%	19	22	0	0	0	0	6	7
Ohio	18	20	-8.7%	0	0	NM	20	0	0	0	0
Wisconsin	4	4	-0.7%	4	4	0	0	0	0	0	0
West North Central	1	0	98.0%	0	0	0	0	0	0	1	0
Iowa	1	0	98.0%	0	0	0	0	0	0	1	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	36	38	-6.3%	34	36	0	0	0	0	NM	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	34	36	-6.5%	34	36	0	0	0	0	0	0
Georgia	NM	2	NM	0	0	0	0	0	0	NM	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	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	63	126	-50.0%	59	121	0	0	0	0	NM	5
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	59	122	-51.0%	59	121	0	0	0	0	0	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	4	NM	0	0	0	0	0	0	NM	4
Mountain	12	13	-5.3%	0	0	12	13	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	12	13	-5.3%	0	0	12	13	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	159	231	-31.0%	116	183	31	33	0	0	13	15

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 2020 are preliminary. Values for 2019 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.

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Table 2.10.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector,
Year-to-Date through September 2020 and September 2019 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 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	4	10	-63.0%	0	0	0	0	0	0	4	10
New Jersey	4	5	-32.0%	0	0	0	0	0	0	4	5
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	5	-100.0%	0	0	0	0	0	0	0	5
East North Central	576	652	-12.0%	317	318	210	285	0	0	50	48
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	335	335	0.0%	286	288	0	0	0	0	50	48
Ohio	210	286	-27.0%	0	0	210	285	0	0	0	0
Wisconsin	31	30	3.3%	31	30	0	0	0	0	0	0
West North Central	8	11	-27.0%	0	0	0	0	1	1	7	10
Iowa	8	11	-27.0%	0	0	0	0	1	1	7	10
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	466	371	26.0%	438	346	0	0	0	0	28	25
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	438	346	27.0%	438	346	0	0	0	0	0	0
Georgia	28	25	12.0%	0	0	0	0	0	0	28	25
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	1,115	1,142	-2.4%	1,084	1,101	0	0	0	0	31	41
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,084	1,103	-1.7%	1,084	1,101	0	0	0	0	0	2
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	31	39	-21.0%	0	0	0	0	0	0	31	39
Mountain	123	129	-4.2%	0	0	123	129	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	123	129	-4.2%	0	0	123	129	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	2,292	2,315	-1.0%	1,839	1,765	333	414	1	1	119	134

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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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.

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Table 2 11.A. Consumption of Natural Gas for Electricity Generation by State, by Sector,
September 2020 and September 2019 (Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	31,742	27,446	16.0%	156	74	30,433	26,152	483	465	670	755
Connecticut	13,715	12,025	14.0%	26	40	13,217	11,453	193	211	279	321
Maine	974	1,057	-7.8%	0	0	778	857	15	14	182	186
Massachusetts	8,241	7,400	11.0%	NM	22	7,819	7,057	245	215	73	107
New Hampshire	3,065	2,286	34.0%	27	12	3,017	2,254	6	3	16	16
Rhode Island	5,745	4,678	23.0%	0	0	5,602	4,530	23	23	120	125
Vermont	1	0	NM	1	0	0	0	0	0	0	0
Middle Atlantic	133,165	117,524	13.0%	8,182	6,144	123,147	109,462	706	749	1,130	1,168
New Jersey	16,933	24,067	-30.0%	NM	177	16,503	23,541	130	154	202	196
New York	37,987	30,692	24.0%	8,084	5,956	29,127	23,916	528	535	247	285
Pennsylvania	78,246	62,765	25.0%	1	11	77,516	62,006	47	61	682	688
East North Central	93,927	97,893	-4.1%	31,440	34,405	59,846	60,769	647	651	1,993	2,069
Illinois	14,389	14,397	-0.1%	1,349	692	12,529	13,276	149	130	362	297
Indiana	17,386	20,122	-14.0%	8,687	9,400	7,864	9,666	93	103	742	954
Michigan	20,009	20,636	-3.0%	6,214	8,963	13,254	11,146	262	258	278	269
Ohio	30,658	30,553	0.3%	5,421	4,822	25,009	25,519	101	113	127	99
Wisconsin	11,485	12,185	-5.7%	9,769	10,528	1,190	1,161	42	47	484	449
West North Central	23,908	25,040	-4.5%	20,336	20,553	3,088	4,006	151	151	334	331
Iowa	4,303	4,793	-10.0%	4,114	4,514	1	0	49	54	140	225
Kansas	1,902	2,799	-32.0%	1,777	2,782	0	0	0	0	125	17
Minnesota	7,158	7,588	-5.7%	5,314	5,360	NM	2,139	36	35	41	53
Missouri	5,840	7,009	-17.0%	4,449	5,071	1,320	1,867	62	62	9	9
Nebraska	2,036	1,060	92.0%	2,032	1,060	0	0	4	0	0	0
North Dakota	NM	1,307	NM	NM	1,298	0	0	0	0	19	9
South Dakota	NM	486	NM	NM	468	0	0	0	0	0	18
South Atlantic	247,720	267,195	-7.3%	203,066	218,544	41,221	45,057	977	1,139	2,457	2,454
Delaware	2,886	2,991	-3.5%	35	25	2,497	2,460	0	0	354	507
District of Columbia	154	149	3.5%	0	0	0	0	154	149	0	0
Florida	123,743	130,664	-5.3%	117,845	123,439	5,240	6,474	11	9	647	741
Georgia	34,471	39,779	-13.0%	27,655	29,755	6,494	9,729	0	0	322	295
Maryland	7,806	8,443	-7.5%	686	826	6,374	6,754	730	842	16	21
North Carolina	24,559	27,653	-11.0%	19,382	21,943	5,032	5,500	81	134	64	76
South Carolina	15,603	17,332	-10.0%	14,914	15,872	593	1,385	0	2	97	73
Virginia	37,194	37,370	-0.5%	22,526	26,080	13,938	10,795	0	3	729	492
West Virginia	1,304	2,814	-54.0%	23	605	1,053	1,961	0	0	228	248
East South Central	84,336	104,431	-19.0%	59,570	76,304	23,046	26,055	89	91	1,632	1,980
Alabama	35,402	42,845	-17.0%	11,942	16,454	22,885	25,503	0	0	575	888
Kentucky	5,847	11,344	-48.0%	5,629	10,739	140	539	0	0	79	66
Mississippi	33,292	37,388	-11.0%	33,062	37,144	6	3	0	0	224	241
Tennessee	9,795	12,853	-24.0%	8,937	11,967	16	10	89	91	753	785
West South Central	250,509	293,588	-15.0%	97,199	109,896	120,542	146,384	450	489	32,318	36,819
Arkansas	8,533	14,157	-40.0%	7,830	13,391	580	621	NM	42	87	104
Louisiana	41,876	45,679	-8.3%	28,725	27,726	1,965	4,558	75	70	11,111	13,325
Oklahoma	28,741	34,532	-17.0%	18,099	21,991	10,384	12,244	0	0	259	297
Texas	171,358	199,220	-14.0%	42,545	46,788	107,613	128,961	338	377	20,862	23,094
Mountain	93,930	84,032	12.0%	76,915	68,028	15,689	14,888	184	192	1,143	925
Arizona	39,058	36,511	7.0%	30,740	27,977	8,261	8,484	57	50	0	0
Colorado	12,126	10,034	21.0%	9,628	8,713	2,469	1,291	1	0	29	30
Idaho	3,209	3,128	2.6%	2,222	1,909	NM	1,145	13	14	64	60
Montana	NM	496	NM	NM	371	NM	124	0	0	1	0
Nevada	20,600	18,101	14.0%	18,891	16,561	1,319	1,302	23	24	367	213
New Mexico	10,043	9,739	3.1%	7,324	7,194	2,674	2,498	45	47	0	0
Utah	7,414	5,450	36.0%	7,081	5,076	0	44	45	56	287	273
Wyoming	1,016	573	77.0%	619	225	1	0	0	0	396	349
Pacific Contiguous	96,621	90,169	7.2%	37,017	37,101	52,576	46,041	798	897	6,231	6,130
California	72,078	62,038	16.0%	23,078	20,524	42,290	34,865	784	877	5,926	5,772
Oregon	13,484	14,949	-9.8%	6,487	7,758	6,941	7,130	14	20	42	41
Washington	11,059	13,182	-16.0%	7,451	8,819	3,345	4,046	0	0	263	317
Pacific Noncontiguous	NM	1,548	NM	NM	1,524	0	0	0	0	10	23
Alaska	NM	1,548	NM	NM	1,524	0	0	0	0	10	23
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,058,029	1,108,866	-4.6%	536,040	572,573	469,587	478,814	4,484	4,824	47,918	52,654

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 2020 are preliminary. Values for 2019 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

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Table 2.11.B. Consumption of Natural Gas for Electricity Generation by State, by Sector,
Year-to-Date through September 2020 and September 2019 (Million Cubic Feet)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	279,825	266,688	4.9%	2,146	1,236	266,856	254,288	4,164	4,449	6,658	6,715
Connecticut	124,613	111,994	11.0%	221	358	119,916	106,980	1,694	1,853	2,782	2,802
Maine	10,178	9,151	11.0%	0	0	8,312	7,371	118	112	1,747	1,668
Massachusetts	78,538	86,717	-9.4%	1,704	809	73,768	82,628	2,134	2,267	932	1,013
New Hampshire	21,381	18,600	15.0%	210	59	21,013	18,364	30	36	129	141
Rhode Island	45,100	40,213	12.0%	0	0	43,848	38,944	185	178	1,067	1,092
Vermont	15	14	12.0%	11	10	0	0	4	4	0	0
Middle Atlantic	1,121,020	996,665	12.0%	75,978	70,619	1,028,340	908,291	6,212	6,756	10,490	10,999
New Jersey	168,852	210,050	-20.0%	1,158	1,234	164,833	205,807	1,072	1,299	1,788	1,710
New York	315,691	284,113	11.0%	74,791	69,354	233,476	207,132	4,662	4,863	2,761	2,765
Pennsylvania	636,478	502,502	27.0%	28	32	630,031	495,352	477	594	5,942	6,524
East North Central	964,855	878,851	9.8%	344,451	302,416	591,859	548,770	5,666	5,791	22,879	21,875
Illinois	164,859	133,013	24.0%	19,054	8,218	141,503	120,755	1,354	1,355	2,948	2,684
Indiana	181,214	167,959	7.9%	85,416	73,403	83,454	82,169	737	772	11,607	11,615
Michigan	206,242	188,449	9.4%	80,372	72,639	120,815	110,836	2,309	2,398	2,747	2,575
Ohio	290,969	279,404	4.1%	50,933	51,356	237,994	226,111	856	897	1,186	1,040
Wisconsin	121,571	110,026	10.0%	108,676	96,799	8,092	8,899	410	368	4,392	3,960
West North Central	207,281	204,924	1.2%	171,013	170,923	32,110	29,705	1,330	1,359	2,829	2,937
Iowa	36,751	37,964	-3.2%	34,897	35,616	NM	0	444	453	1,408	1,895
Kansas	20,355	22,471	-9.4%	19,612	22,132	0	0	0	0	743	339
Minnesota	64,847	64,589	0.4%	47,680	50,350	16,418	13,440	349	357	400	443
Missouri	53,129	51,081	4.0%	36,832	34,220	15,689	16,265	504	515	103	80
Nebraska	11,924	10,578	13.0%	11,891	10,544	0	0	33	34	0	0
North Dakota	11,669	10,728	8.8%	11,494	10,643	0	0	0	0	175	85
South Dakota	8,607	7,513	15.0%	8,607	7,418	0	0	0	0	0	95
South Atlantic	2,245,430	2,168,311	3.6%	1,835,651	1,778,144	377,734	358,242	8,716	9,965	23,329	21,961
Delaware	28,086	28,217	-0.5%	238	279	23,699	23,647	0	0	4,148	4,291
District of Columbia	1,116	1,145	-2.5%	0	0	0	0	1,116	1,145	0	0
Florida	1,054,375	1,024,155	3.0%	1,001,855	973,000	45,959	44,636	99	80	6,461	6,438
Georgia	331,158	323,986	2.2%	250,990	244,721	77,156	76,797	0	1	3,012	2,467
Maryland	80,128	83,439	-4.0%	15,677	21,510	57,603	54,073	6,683	7,600	166	255
North Carolina	236,380	232,976	1.5%	189,163	183,754	45,787	47,545	775	1,082	656	594
South Carolina	142,102	137,862	3.1%	136,957	130,338	4,230	6,888	0	3	915	632
Virginia	354,808	323,735	9.6%	240,002	222,288	108,694	95,991	43	54	6,069	5,402
West Virginia	17,276	12,797	35.0%	769	2,254	14,605	8,662	0	0	1,902	1,881
East South Central	780,624	781,861	-0.2%	568,754	570,694	196,212	194,012	797	715	14,861	16,440
Alabama	306,549	322,541	-5.0%	110,564	124,639	190,740	190,674	0	0	5,246	7,228
Kentucky	81,170	83,047	-2.3%	75,138	79,141	5,310	3,197	0	0	722	709
Mississippi	301,200	277,082	8.7%	299,034	274,968	43	25	0	0	2,122	2,089
Tennessee	91,704	99,191	-7.5%	84,018	91,947	119	114	797	715	6,770	6,414
West South Central	2,229,482	2,240,898	-0.5%	898,733	873,497	1,020,316	1,049,737	3,577	3,795	306,856	313,869
Arkansas	100,288	120,185	-17.0%	93,823	113,238	5,252	5,414	340	367	872	1,166
Louisiana	392,845	393,306	-0.1%	257,329	241,108	22,344	30,456	612	537	112,560	121,205
Oklahoma	280,944	265,446	5.8%	188,825	174,307	89,234	88,583	0	0	2,885	2,556
Texas	1,455,405	1,461,961	-0.4%	358,756	344,844	903,486	925,283	2,624	2,891	190,539	188,942
Mountain	735,501	677,591	8.5%	599,650	552,096	124,724	115,086	1,589	1,690	9,538	8,720
Arizona	295,802	266,931	11.0%	232,822	207,045	62,529	59,432	451	454	0	0
Colorado	111,935	97,474	15.0%	93,070	81,604	18,559	15,601	32	8	274	261
Idaho	24,508	22,913	7.0%	14,981	13,898	8,927	8,469	128	124	473	422
Montana	3,373	4,102	-18.0%	3,029	3,047	331	1,048	0	0	12	7
Nevada	156,150	146,207	6.8%	142,323	132,715	11,422	11,253	188	204	2,217	2,035
New Mexico	81,617	79,569	2.6%	58,449	60,625	22,658	18,491	377	400	133	53
Utah	53,693	55,387	-3.1%	50,233	50,827	283	781	412	499	2,765	3,279
Wyoming	8,423	5,008	68.0%	4,744	2,334	14	11	0	0	3,665	2,663
Pacific Contiguous	641,820	615,895	4.2%	256,486	249,350	323,968	304,711	7,029	7,733	54,338	54,102
California	472,209	434,119	8.8%	156,231	146,869	258,340	228,887	6,827	7,535	50,811	50,828
Oregon	94,919	103,761	-8.5%	47,933	50,848	46,308	52,400	166	168	511	346
Washington	74,692	78,015	-4.3%	52,321	51,632	19,319	23,425	36	30	3,016	2,928
Pacific Noncontiguous	19,058	18,574	2.6%	18,868	18,350	0	0	0	0	190	224
Alaska	19,058	18,574	2.6%	18,868	18,350	0	0	0	0	190	224
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	9,224,896	8,850,257	4.2%	4,771,730	4,587,324	3,962,118	3,762,841	39,080	42,252	451,968	457,840

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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

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Table 2.12.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector,
September 2020 and September 2019 (Million Cubic Feet)

Census Division and State	Electric Power Sector									
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020 September 2019
New England	977	995	-1.8%	87	117	870	857	19	21	0 0
Connecticut	NM	14	NM	0	0	NM	14	0	0	0 0
Maine	56	56	-0.6%	0	0	56	56	0	0	0 0
Massachusetts	300	310	-3.2%	0	0	300	310	0	0	0 0
New Hampshire	108	165	-34.0%	0	0	89	144	19	21	0 0
Rhode Island	391	311	26.0%	0	0	391	311	0	0	0 0
Vermont	107	138	-23.0%	87	117	19	21	0	0	0 0
Middle Atlantic	3,134	3,983	-21.0%	0	0	3,028	3,836	NM	54	49 93
New Jersey	376	495	-24.0%	0	0	360	481	NM	14	0 0
New York	1,301	1,352	-3.8%	0	0	1,301	1,352	0	0	0 0
Pennsylvania	1,458	2,136	-32.0%	0	0	1,367	2,003	NM	40	49 93
East North Central	5,093	4,709	8.2%	910	793	4,132	3,877	33	21	18 18
Illinois	907	874	3.7%	255	248	652	626	0	0	0 0
Indiana	754	640	18.0%	656	545	99	95	0	0	0 0
Michigan	1,761	1,579	12.0%	0	0	1,761	1,579	0	0	0 0
Ohio	862	847	1.7%	0	0	862	847	0	0	0 0
Wisconsin	809	769	5.3%	0	0	758	730	33	21	18 18
West North Central	753	729	3.4%	261	249	492	480	0	0	0 0
Iowa	185	192	-3.8%	0	0	185	192	0	0	0 0
Kansas	124	119	3.9%	0	0	124	119	0	0	0 0
Minnesota	152	129	17.0%	60	51	93	78	0	0	0 0
Missouri	162	162	0.4%	72	71	91	90	0	0	0 0
Nebraska	130	126	3.1%	130	126	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	3,989	4,079	-2.2%	349	311	3,488	3,516	NM	137	NM 115
Delaware	104	104	0.3%	0	0	98	97	0	0	NM 7
District of Columbia	0	0	--	0	0	0	0	0	0	0 0
Florida	826	845	-2.3%	156	134	669	711	0	0	0 0
Georgia	514	489	5.0%	0	0	507	471	0	0	6 18
Maryland	167	180	-7.1%	0	0	119	117	NM	62	0 0
North Carolina	908	922	-1.5%	0	0	908	864	0	59	0 0
South Carolina	285	279	2.2%	186	170	21	19	0	0	NM 90
Virginia	1,185	1,260	-5.9%	7	7	1,165	1,237	NM	16	0 0
West Virginia	0	0	--	0	0	0	0	0	0	0 0
East South Central	450	433	3.8%	176	180	274	253	0	0	0 0
Alabama	89	85	4.2%	0	0	89	85	0	0	0 0
Kentucky	190	193	-1.8%	176	180	14	14	0	0	0 0
Mississippi	22	19	16.0%	0	0	22	19	0	0	0 0
Tennessee	149	136	9.7%	0	0	149	136	0	0	0 0
West South Central	915	842	8.6%	0	0	915	842	0	0	0 0
Arkansas	133	108	24.0%	0	0	133	108	0	0	0 0
Louisiana	0	0	--	0	0	0	0	0	0	0 0
Oklahoma	43	33	31.0%	0	0	43	33	0	0	0 0
Texas	739	702	5.3%	0	0	739	702	0	0	0 0
Mountain	528	561	-5.8%	24	27	441	465	64	69	0 0
Arizona	67	61	11.0%	0	0	67	61	0	0	0 0
Colorado	85	104	-19.0%	0	0	85	104	0	0	0 0
Idaho	68	79	-14.0%	24	27	NM	NM	NM	42	0 0
Montana	0	0	--	0	0	0	0	0	0	0 0
Nevada	153	139	9.7%	0	0	153	139	0	0	0 0
New Mexico	33	33	-1.6%	0	0	33	33	0	0	0 0
Utah	123	145	-15.0%	0	0	94	118	29	27	0 0
Wyoming	0	0	--	0	0	0	0	0	0	0 0
Pacific Contiguous	4,443	4,389	1.2%	132	134	3,273	3,120	1,038	1,106	0 30
California	3,890	3,818	1.9%	NM	9	2,867	2,703	1,014	1,076	0 30
Oregon	467	483	-3.3%	124	125	320	329	NM	29	0 0
Washington	86	88	-2.0%	0	0	86	88	0	0	0 0
Pacific Noncontiguous	63	69	-7.9%	0	0	0	0	63	69	0 0
Alaska	63	69	-7.9%	0	0	0	0	63	69	0 0
Hawaii	0	0	--	0	0	0	0	0	0	0 0
U.S. Total	20,346	20,789	-2.1%	1,940	1,811	16,913	17,246	1,334	1,477	158 256

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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.

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Table 2.12.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector,
Year-to-Date through September 2020 and September 2019 (Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
New England	8,574	9,073	-5.5%	793	1,046	7,635	7,855	147	173	0	0
Connecticut	131	126	4.1%	0	0	131	126	0	0	0	0
Maine	503	519	-3.1%	0	0	503	519	0	0	0	0
Massachusetts	2,718	2,684	1.3%	0	0	2,718	2,684	0	0	0	0
New Hampshire	948	1,463	-35.0%	0	0	802	1,290	147	173	0	0
Rhode Island	3,305	3,045	8.5%	0	0	3,305	3,045	0	0	0	0
Vermont	969	1,236	-22.0%	793	1,046	176	191	0	0	0	0
Middle Atlantic	32,317	36,136	-11.0%	0	0	31,232	34,826	442	500	643	810
New Jersey	3,774	5,240	-28.0%	0	0	3,648	5,104	126	136	0	0
New York	12,099	11,841	2.2%	0	0	12,099	11,841	0	0	0	0
Pennsylvania	16,444	19,055	-14.0%	0	0	15,485	17,880	316	365	643	810
East North Central	46,722	46,868	-0.3%	8,095	7,862	38,215	38,541	236	282	175	183
Illinois	8,263	8,664	-4.6%	2,326	2,433	5,937	6,231	0	0	0	0
Indiana	6,627	6,286	5.4%	5,769	5,429	858	857	0	0	0	0
Michigan	16,375	16,018	2.2%	0	0	16,375	16,018	0	0	0	0
Ohio	7,891	8,306	-5.0%	0	0	7,891	8,306	0	0	0	0
Wisconsin	7,565	7,594	-0.4%	0	0	7,153	7,129	236	282	175	183
West North Central	6,970	6,529	6.7%	2,348	2,268	4,622	4,261	0	0	0	0
Iowa	1,821	1,666	9.3%	0	0	1,821	1,666	0	0	0	0
Kansas	1,132	1,045	8.4%	0	0	1,132	1,045	0	0	0	0
Minnesota	1,351	1,257	7.5%	509	497	842	759	0	0	0	0
Missouri	1,434	1,418	1.1%	606	626	827	791	0	0	0	0
Nebraska	1,232	1,144	7.7%	1,232	1,144	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	37,060	37,657	-1.6%	3,120	2,841	32,276	32,526	701	1,277	964	1,012
Delaware	951	976	-2.5%	0	0	882	912	0	0	69	64
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7,516	7,932	-5.2%	1,432	1,188	6,083	6,744	0	0	0	0
Georgia	4,662	4,566	2.1%	0	0	4,582	4,459	0	0	79	107
Maryland	1,660	1,683	-1.3%	0	0	1,081	1,100	579	583	0	0
North Carolina	8,339	8,533	-2.3%	0	0	8,339	7,982	0	551	0	0
South Carolina	2,643	2,611	1.2%	1,644	1,595	183	174	0	0	816	841
Virginia	11,291	11,357	-0.6%	43	58	11,126	11,156	122	144	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	4,107	4,003	2.6%	1,599	1,653	2,508	2,350	0	0	0	0
Alabama	810	781	3.7%	0	0	810	781	0	0	0	0
Kentucky	1,740	1,799	-3.3%	1,599	1,653	140	146	0	0	0	0
Mississippi	203	176	15.0%	0	0	203	176	0	0	0	0
Tennessee	1,354	1,247	8.6%	0	0	1,354	1,247	0	0	0	0
West South Central	8,384	8,849	-5.3%	0	0	8,384	8,660	0	189	0	0
Arkansas	1,219	1,101	11.0%	0	0	1,219	1,101	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	395	339	16.0%	0	0	395	339	0	0	0	0
Texas	6,770	7,408	-8.6%	0	0	6,770	7,219	0	189	0	0
Mountain	4,872	5,080	-4.1%	216	248	4,084	4,273	572	559	0	0
Arizona	612	558	9.7%	0	0	612	558	0	0	0	0
Colorado	773	958	-19.0%	0	0	773	958	0	0	0	0
Idaho	613	708	-13.0%	216	248	75	82	322	377	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	1,383	1,282	7.9%	0	0	1,383	1,282	0	0	0	0
New Mexico	296	306	-3.1%	0	0	296	306	0	0	0	0
Utah	1,194	1,268	-5.8%	0	0	944	1,086	250	182	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	40,232	38,436	4.7%	1,163	1,216	29,194	27,920	9,876	9,027	0	273
California	35,300	33,426	5.6%	71	82	25,587	24,310	9,642	8,760	0	273
Oregon	4,160	4,213	-1.3%	1,091	1,135	2,834	2,812	235	267	0	0
Washington	773	798	-3.2%	0	0	773	798	0	0	0	0
Pacific Noncontiguous	577	529	8.9%	0	0	0	0	577	529	0	0
Alaska	577	529	8.9%	0	0	0	0	577	529	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	189,815	193,161	-1.7%	17,334	17,134	158,148	161,212	12,551	12,537	1,782	2,279

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

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Table 2.13.A. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector,
September 2020 and September 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	September 2020	September 2019	Percentage Change	Electric Utilities		Independent Power Producers		September 2020	September 2019	September 2020	September 2019
				September 2020	September 2019	September 2020	September 2019				
New England	263	286	-8.1%	0	0	254	276	9	10	0	0
Connecticut	89	100	-11.0%	0	0	89	100	0	0	0	0
Maine	18	19	-2.4%	0	0	10	9	9	10	0	0
Massachusetts	146	158	-7.3%	0	0	146	158	0	0	0	0
New Hampshire	9	9	-6.3%	0	0	9	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	398	413	-3.7%	0	0	311	317	87	96	0	0
New Jersey	101	102	-1.4%	0	0	73	74	28	28	0	0
New York	143	163	-13.0%	0	0	103	116	39	47	0	0
Pennsylvania	155	148	4.6%	0	0	135	127	20	21	0	0
East North Central	11	14	-19.0%	3	3	0	0	9	11	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	2	2	-2.5%	0	0	0	0	2	2	0	0
Michigan	7	10	-26.0%	0	0	0	0	7	10	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	-2.7%	3	3	0	0	0	0	0	0
West North Central	32	35	-9.3%	20	18	12	16	NM	1	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	32	35	-9.3%	20	18	12	16	NM	1	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	461	441	4.5%	0	0	428	409	33	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	313	300	4.2%	0	0	313	300	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	52	48	8.7%	0	0	52	48	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	96	93	3.3%	0	0	63	61	33	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	1	1	46.0%	0	0	0	0	0	0	1	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	1	46.0%	0	0	0	0	0	0	1	1
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	54	57	-5.9%	0	0	54	57	0	0	0	0
California	33	36	-10.0%	0	0	33	36	0	0	0	0
Oregon	10	10	-1.7%	0	0	10	10	0	0	0	0
Washington	12	11	4.6%	0	0	12	11	0	0	0	0
Pacific Noncontiguous	33	40	-18.0%	0	0	0	0	33	40	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	33	40	-18.0%	0	0	0	0	33	40	0	0
U.S. Total	1,253	1,288	-2.7%	23	21	1,059	1,076	171	191	1	1

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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

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Table 2.13.B. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector,
Year-to-Date through September 2020 and September 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	September 2020 YTD	September 2019 YTD	Percentage Change	Electric Utilities		Independent Power Producers		September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD
				September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD				
New England	2,443	2,515	-2.9%	0	0	2,352	2,409	91	105	0	0
Connecticut	868	858	1.1%	0	0	868	858	0	0	0	0
Maine	174	187	-6.8%	0	0	83	81	91	105	0	0
Massachusetts	1,317	1,383	-4.8%	0	0	1,317	1,383	0	0	0	0
New Hampshire	84	87	-2.7%	0	0	84	87	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	3,789	3,816	-0.7%	0	0	2,998	2,963	791	853	0	0
New Jersey	965	952	1.4%	0	0	713	703	252	249	0	0
New York	1,389	1,450	-4.2%	0	0	1,036	1,027	353	423	0	0
Pennsylvania	1,434	1,414	1.4%	0	0	1,248	1,233	186	181	0	0
East North Central	122	138	-12.0%	23	26	0	0	99	112	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	16	13	16.0%	0	0	0	0	16	13	0	0
Michigan	84	99	-15.0%	0	0	0	0	84	99	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	23	26	-13.0%	23	26	0	0	0	0	0	0
West North Central	349	358	-2.5%	186	199	163	151	0	8	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	349	358	-2.5%	186	199	163	151	0	8	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	3,958	4,018	-1.5%	0	0	3,643	3,700	315	318	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	2,699	2,694	0.2%	0	0	2,699	2,694	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	401	465	-14.0%	0	0	401	465	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	858	859	-0.1%	0	0	543	540	315	318	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	8	7	14.0%	0	0	0	0	0	0	8	7
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	8	7	14.0%	0	0	0	0	0	0	8	7
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	480	488	-1.6%	0	0	480	488	0	0	0	0
California	283	291	-2.9%	0	0	283	291	0	0	0	0
Oregon	84	84	0.7%	0	0	84	84	0	0	0	0
Washington	113	112	1.2%	0	0	113	112	0	0	0	0
Pacific Noncontiguous	321	343	-6.4%	0	0	0	0	321	343	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	321	343	-6.4%	0	0	0	0	321	343	0	0
U.S. Total	11,470	11,684	-1.8%	209	225	9,636	9,712	1,617	1,739	8	7

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

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Table 2.14.A. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector,
September 2020 and September 2019 (Billion Btus)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2020	September 2019	Percentage Change	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019	September 2020	September 2019
New England	2,086	3,088	-32.0%	0	489	1,624	2,126	0	1	462	471
Connecticut	NM	295	NM	0	0	NM	295	0	0	0	0
Maine	1,002	1,145	-13.0%	0	0	540	673	0	0	462	471
Massachusetts	NM	158	NM	0	0	NM	158	0	0	0	0
New Hampshire	NM	1,046	NM	0	191	NM	855	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	NM	444	NM	0	298	NM	144	0	1	0	0
Middle Atlantic	684	716	-4.4%	0	0	485	506	0	0	199	210
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	531	584	-9.1%	0	0	485	506	0	0	NM	78
Pennsylvania	153	132	16.0%	0	0	0	0	0	0	153	132
East North Central	1,427	1,698	-16.0%	NM	265	634	948	0	0	487	484
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	849	1,148	-26.0%	0	0	NM	938	0	0	224	210
Ohio	99	77	29.0%	0	0	9	11	0	0	89	66
Wisconsin	480	473	1.4%	NM	265	0	0	0	0	173	208
West North Central	450	444	1.4%	NM	0	NM	122	34	39	286	283
Iowa	5	6	-24.0%	0	0	0	0	5	6	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	425	405	5.0%	NM	0	NM	122	9	0	286	283
Missouri	20	33	-39.0%	0	0	0	0	20	33	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	9,295	10,684	-13.0%	1,127	2,237	3,052	3,245	10	11	5,106	5,190
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	1,173	1,586	-26.0%	349	740	NM	187	0	0	699	659
Georgia	3,764	3,318	13.0%	0	0	1,674	1,191	0	0	2,090	2,128
Maryland	10	11	-11.0%	0	0	0	0	10	11	0	0
North Carolina	1,150	1,201	-4.3%	0	0	642	734	0	0	508	468
South Carolina	1,254	1,525	-18.0%	0	0	468	704	0	0	787	821
Virginia	1,944	3,041	-36.0%	778	1,497	NM	429	0	0	1,022	1,115
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,449	2,632	-7.0%	0	0	0	0	0	0	2,449	2,632
Alabama	1,613	1,554	3.8%	0	0	0	0	0	0	1,613	1,554
Kentucky	NM	78	NM	0	0	0	0	0	0	NM	78
Mississippi	483	602	-20.0%	0	0	0	0	0	0	483	602
Tennessee	246	398	-38.0%	0	0	0	0	0	0	246	398
West South Central	2,017	2,340	-14.0%	0	147	0	0	0	0	2,017	2,193
Arkansas	382	524	-27.0%	0	0	0	0	0	0	382	524
Louisiana	1,011	1,215	-17.0%	0	0	0	0	0	0	1,011	1,215
Oklahoma	208	71	191.0%	0	0	0	0	0	0	208	71
Texas	417	529	-21.0%	0	147	0	0	0	0	417	382
Mountain	526	547	-3.9%	0	0	352	443	0	0	174	104
Arizona	NM	304	NM	0	0	NM	304	0	0	0	0
Colorado	114	109	4.3%	0	0	114	109	0	0	0	0
Idaho	185	111	66.0%	0	0	32	30	0	0	152	81
Montana	22	23	-2.2%	0	0	0	0	0	0	22	23
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	5,050	6,015	-16.0%	NM	456	3,016	3,687	0	0	1,779	1,872
California	3,722	4,234	-12.0%	0	0	2,853	3,350	0	0	869	884
Oregon	493	686	-28.0%	0	0	NM	337	0	0	330	349
Washington	835	1,095	-24.0%	NM	456	0	0	0	0	580	639
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawai	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	23,986	28,163	-15.0%	1,725	3,594	9,257	11,078	45	51	12,960	13,440

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Table 2.14.B. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector,
Year-to-Date through September 2020 and September 2019 (Billion Btus)

Census Division and State		Electric Power Sector										
		All Sectors			Electric Utilities		Independent Power		Commercial Sector		Industrial Sector	
							Producers					
	September 2020 YTD	September 2019 YTD	Percentage Change	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	September 2020 YTD	September 2019 YTD	
New England	25,636	32,727	-22.0%	2,674	5,699	18,756	22,612	5	8	4,201	4,408	
Connecticut	1,983	2,357	-16.0%	0	0	1,983	2,357	0	0	0	0	
Maine	10,564	12,363	-15.0%	0	0	6,364	7,955	0	0	4,201	4,408	
Massachusetts	1,317	1,434	-8.2%	0	0	1,317	1,434	0	0	0	0	
New Hampshire	8,341	12,359	-33.0%	388	3,159	7,953	9,200	0	0	0	0	
Rhode Island	0	0	--	0	0	0	0	0	0	0	0	
Vermont	3,431	4,214	-19.0%	2,287	2,540	1,140	1,667	5	8	0	0	
Middle Atlantic	6,204	6,293	-1.4%	0	0	4,311	4,210	0	0	1,894	2,083	
New Jersey	0	0	--	0	0	0	0	0	0	0	0	
New York	4,920	4,924	-0.1%	0	0	4,311	4,209	0	0	609	716	
Pennsylvania	1,285	1,369	-6.1%	0	0	0	1	0	0	1,285	1,368	
East North Central	14,916	17,835	-16.0%	3,241	3,656	6,920	9,088	0	0	4,755	5,092	
Illinois	0	0	--	0	0	0	0	0	0	0	0	
Indiana	0	0	--	0	0	0	0	0	0	0	0	
Michigan	9,087	11,547	-21.0%	0	0	6,849	8,987	0	0	2,237	2,560	
Ohio	898	828	8.4%	0	0	71	101	0	0	827	727	
Wisconsin	4,932	5,460	-9.7%	3,241	3,656	0	0	0	0	1,691	1,804	
West North Central	3,653	3,733	-2.1%	324	304	856	901	319	352	2,155	2,176	
Iowa	41	52	-22.0%	0	0	0	0	41	52	0	0	
Kansas	0	0	--	0	0	0	0	0	0	0	0	
Minnesota	3,427	3,501	-2.1%	324	304	856	901	93	120	2,155	2,176	
Missouri	185	180	2.7%	0	0	0	0	185	180	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	89,900	93,190	-3.5%	14,526	19,173	28,036	25,322	110	110	47,228	48,586	
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	12,567	15,182	-17.0%	4,653	6,716	1,427	1,899	0	0	6,487	6,567	
Georgia	33,431	27,977	19.0%	0	0	13,862	8,129	0	0	19,568	19,848	
Maryland	110	367	-70.0%	0	0	0	0	110	110	0	257	
North Carolina	10,266	11,248	-8.7%	0	0	5,605	6,723	0	0	4,661	4,525	
South Carolina	12,413	13,289	-6.6%	0	0	5,498	5,975	0	0	6,915	7,313	
Virginia	21,114	25,129	-16.0%	9,874	12,457	1,644	2,595	0	0	9,596	10,077	
West Virginia	0	0	--	0	0	0	0	0	0	0	0	
East South Central	25,560	24,945	2.5%	0	0	0	0	0	0	25,560	24,945	
Alabama	17,068	16,142	5.7%	0	0	0	0	0	0	17,068	16,142	
Kentucky	957	901	6.2%	0	0	0	0	0	0	957	901	
Mississippi	4,898	4,785	2.4%	0	0	0	0	0	0	4,898	4,785	
Tennessee	2,637	3,117	-15.0%	0	0	0	0	0	0	2,637	3,117	
West South Central	18,880	21,749	-13.0%	904	1,466	0	0	0	0	17,976	20,283	
Arkansas	3,379	5,202	-35.0%	0	0	0	0	0	0	3,379	5,202	
Louisiana	9,241	9,844	-6.1%	0	0	0	0	0	0	9,241	9,844	
Oklahoma	1,425	1,179	21.0%	0	0	0	0	0	0	1,425	1,179	
Texas	4,834	5,525	-13.0%	904	1,466	0	0	0	0	3,930	4,059	
Mountain	4,944	5,113	-3.3%	0	0	3,577	3,764	0	0	1,368	1,349	
Arizona	2,340	2,581	-9.3%	0	0	2,340	2,581	0	0	0	0	
Colorado	990	945	4.8%	0	0	990	945	0	0	0	0	
Idaho	1,422	1,404	1.2%	0	0	246	238	0	0	1,176	1,166	
Montana	192	183	5.0%	0	0	0	0	0	0	192	183	
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	48,043	50,083	-4.1%	2,911	3,036	29,413	31,152	0	0	15,719	15,895	
California	34,788	36,398	-4.4%	0	0	27,549	29,107	0	0	7,240	7,291	
Oregon	4,980	5,114	-2.6%	0	0	1,865	2,044	0	0	3,115	3,070	
Washington	8,275	8,570	-3.4%	2,911	3,036	0	0	0	0	5,364	5,535	
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	237,737	255,669	-7.0%	24,580	33,333	91,870	97,048	434	470	120,853	124,818	

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