

**Table 7d part 1. U.S. Regional Electricity Generation, Electric Power Sector (billion kilowatthours), continues on Table 7d part 2**

U.S. Energy Information Administration | Short-Term Energy Outlook - November 2020

	2019				2020				2021				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2019	2020	2021
<b>United States</b>															
Natural Gas .....	323.2	333.2	467.8	352.8	354.7	342.5	476.9	326.2	267.2	283.2	410.3	313.3	1,477.0	1,500.3	1,273.9
Coal .....	257.5	208.9	279.0	213.4	170.3	151.1	252.4	206.7	230.4	226.4	283.6	222.3	958.7	780.4	962.7
Nuclear .....	203.5	196.5	210.2	199.2	204.1	190.7	204.1	195.4	197.9	188.7	205.2	188.0	809.4	794.4	779.7
Renewable Energy Sources: .....	170.3	196.6	166.2	162.6	189.1	206.5	179.8	187.6	213.8	227.7	197.0	201.0	695.7	762.9	839.5
Conventional Hydropower .....	73.6	87.5	65.8	59.7	74.9	81.3	70.0	63.1	74.1	77.1	64.9	60.7	286.7	289.3	276.7
Wind .....	72.4	76.9	66.4	79.0	86.4	87.2	70.3	95.5	105.8	103.6	83.5	105.9	294.6	339.4	398.8
Solar (a) .....	13.2	21.7	22.6	13.8	16.7	27.1	28.3	18.2	21.8	35.2	36.5	23.4	71.3	90.2	116.9
Biomass .....	7.1	6.7	7.4	6.9	7.2	6.7	7.1	7.3	8.4	7.6	7.8	7.6	28.1	28.2	31.4
Geothermal .....	4.0	3.8	4.0	3.2	3.9	4.2	4.2	3.4	3.7	4.2	4.3	3.4	15.0	15.7	15.6
Pumped Storage Hydropower .....	-1.1	-0.9	-1.9	-1.4	-1.0	-1.2	-2.1	-1.4	-1.0	-1.2	-2.2	-1.4	-5.3	-5.6	-5.9
Petroleum (b) .....	4.9	4.1	4.7	3.6	4.0	4.0	4.7	3.5	5.4	3.8	4.6	2.9	17.3	16.2	16.7
Other Gases .....	1.1	1.0	1.1	0.9	1.0	0.4	0.6	0.8	0.9	0.4	0.7	0.7	4.0	2.9	2.6
Other Nonrenewable Fuels (c) .....	1.8	1.9	2.0	1.9	1.9	1.8	2.0	1.9	1.7	1.8	1.7	1.9	7.7	7.6	7.2
Total Generation .....	961.3	941.4	1,129.3	933.1	924.1	895.8	1,118.4	920.7	916.3	930.7	1,100.8	928.6	3,965.1	3,859.0	3,876.4
<b>New England (ISO-NE)</b>															
Natural Gas .....	10.3	9.8	15.3	11.3	10.8	10.0	16.4	12.9	8.1	9.0	16.2	14.5	46.7	50.1	47.8
Coal .....	0.3	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	0.1	0.4
Nuclear .....	8.6	6.8	7.3	7.1	7.3	4.9	7.3	6.4	7.0	7.1	7.2	5.6	29.8	25.9	27.0
Conventional hydropower .....	2.5	2.5	0.9	1.7	2.2	2.1	1.6	1.6	2.1	2.1	1.5	1.6	7.6	7.5	7.2
Nonhydro renewables (d) .....	2.7	2.3	2.2	2.5	2.6	2.7	2.5	2.9	3.5	3.0	2.6	3.0	9.8	10.7	12.0
Other energy sources (e) .....	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.4	1.1	0.4	0.3	0.4	1.4	1.5	2.2
Total generation .....	24.7	21.8	26.1	23.2	23.3	20.1	28.2	24.3	22.1	21.6	27.9	25.1	95.7	95.8	96.7
Net energy for load (f) .....	29.7	25.9	31.6	28.1	27.8	25.3	32.6	28.4	29.0	26.9	31.9	28.5	115.2	114.1	116.4
<b>New York (NYISO)</b>															
Natural Gas .....	11.9	10.7	17.8	12.0	12.4	11.4	21.4	14.7	13.1	14.2	22.3	17.5	52.4	59.8	67.0
Coal .....	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0
Nuclear .....	10.4	10.8	11.8	11.8	10.7	9.2	9.1	9.4	8.8	7.5	7.1	6.8	44.9	38.3	30.2
Conventional hydropower .....	7.4	7.4	7.9	7.8	8.0	8.0	7.9	7.3	7.9	7.9	7.4	7.0	30.5	31.1	30.2
Nonhydro renewables (d) .....	1.8	1.6	1.4	1.8	2.0	2.0	1.6	1.9	2.2	2.2	2.0	2.7	6.5	7.5	9.0
Other energy sources (e) .....	0.5	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.9	0.6	0.7
Total generation .....	32.5	30.6	39.1	33.5	33.4	30.7	40.1	33.3	32.2	31.9	38.9	34.1	135.6	137.5	137.1
Net energy for load (f) .....	37.7	34.4	42.8	35.8	35.2	32.6	43.4	36.2	36.5	36.0	43.3	36.6	150.6	147.4	152.4
<b>Mid-Atlantic (PJM)</b>															
Natural Gas .....	70.1	65.0	90.6	70.9	78.4	69.9	97.8	65.3	66.0	64.6	89.2	65.2	296.6	311.3	285.0
Coal .....	53.3	39.7	51.6	38.6	33.7	29.6	46.6	38.2	52.7	47.7	48.6	40.4	183.3	148.1	189.3
Nuclear .....	69.6	68.5	71.7	68.1	68.9	67.1	70.7	69.3	67.5	65.7	72.3	62.3	277.9	276.0	267.8
Conventional hydropower .....	3.2	2.9	2.0	2.1	3.1	2.9	2.0	2.2	3.2	3.1	1.8	2.1	10.2	10.1	10.3
Nonhydro renewables (d) .....	9.6	9.2	6.6	9.3	10.3	10.2	7.7	11.0	11.8	11.9	9.0	12.0	34.7	39.3	44.7
Other energy sources (e) .....	0.7	0.6	0.5	0.4	0.6	0.5	0.3	0.5	0.8	0.5	0.2	0.4	2.3	2.0	1.9
Total generation .....	206.5	186.0	223.0	189.5	195.0	180.2	225.1	186.5	202.1	193.4	221.2	182.4	805.0	786.8	799.1
Net energy for load (f) .....	196.6	173.4	210.0	181.0	182.2	164.2	211.7	178.7	189.5	175.1	207.8	181.5	760.9	736.9	753.9
<b>Southeast (SERC)</b>															
Natural Gas .....	57.5	59.1	75.9	59.8	61.9	59.1	75.1	56.6	52.7	53.3	68.7	57.4	252.4	252.7	232.2
Coal .....	35.1	38.0	53.3	33.5	23.8	22.1	43.8	32.7	33.3	33.1	51.0	34.7	159.8	122.4	152.2
Nuclear .....	52.3	52.8	53.7	52.2	53.0	50.5	54.2	52.0	52.0	52.1	55.2	53.4	211.0	209.7	212.7
Conventional hydropower .....	10.8	10.8	7.5	7.9	11.1	10.2	8.0	8.0	11.2	10.4	7.1	7.7	37.0	37.3	36.4
Nonhydro renewables (d) .....	2.7	3.8	3.9	3.0	3.5	5.0	4.9	3.5	4.0	5.9	6.0	4.1	13.4	16.8	20.0
Other energy sources (e) .....	0.0	-0.2	-0.6	-0.4	-0.1	-0.3	-0.6	-0.4	-0.1	-0.4	-0.8	-0.4	-1.3	-1.4	-1.6
Total generation .....	158.4	164.3	193.6	155.9	153.2	146.7	185.4	152.4	153.1	154.6	187.3	156.8	672.3	637.6	651.8
Net energy for load (f) .....	159.7	163.2	194.2	157.8	158.4	149.1	185.2	153.0	159.1	158.0	188.4	155.8	674.9	645.6	661.3
<b>Florida (FRCC)</b>															
Natural Gas .....	35.7	46.7	52.6	40.0	40.0	45.7	53.3	37.1	31.6	36.2	44.7	36.1	174.9	176.1	148.5
Coal .....	3.7	4.8	5.3	4.8	2.1	3.5	5.8	7.2	8.1	10.4	10.0	7.1	18.6	18.6	35.6
Nuclear .....	7.6	6.4	7.7	7.3	7.3	7.6	7.6	7.4	7.8	6.9	7.8	6.7	29.1	29.8	29.2
Conventional hydropower .....	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2
Nonhydro renewables (d) .....	1.5	1.7	1.6	1.4	1.8	2.4	2.4	2.0	2.8	3.5	3.2	2.7	6.1	8.6	12.2
Other energy sources (e) .....	0.8	0.9	0.8	0.7	0.9	0.8	0.9	0.7	0.9	0.7	0.9	0.7	3.1	3.3	3.1
Total generation .....	49.4	60.5	68.1	54.2	52.1	60.0	70.1	54.5	51.2	57.7	66.6	53.3	232.1	236.7	228.8
Net energy for load (f) .....	46.8	60.1	68.1	53.3	47.9	59.9	70.6	53.6	47.4	57.9	67.2	52.3	228.4	232.1	224.9

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Data reflect generation supplied by power plants with a combined capacity of at least 1 megawatt operated by electric utilities and independent power producers.

(a) Solar generation from large-scale power plants with more than 1 megawatt of capacity. Excludes generation from small-scale solar photovoltaic systems.

(b) Residual fuel oil, distillate fuel oil, petroleum coke, and other petroleum liquids.

(c) Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, nonrenewable waste, and miscellaneous technologies.

(d) Wind, large-scale solar, biomass, and geothermal

(e) Pumped storage hydroelectric, petroleum, other gases, batteries, and other nonrenewable fuels. See notes (b) and (c).

(f) Regional generation from generating units operated by electric power sector, plus energy receipts from minus energy deliveries to U.S. balancing authorities outside region.

**Historical data:** Latest data available from U.S. Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226;

**Projections:** EIA Regional Short-Term Energy Model.

**Table 7d part 2. U.S. Regional Electricity Generation, Electric Power Sector (billion kilowatthours), continued from Table 7d part 1**  
 U.S. Energy Information Administration | Short-Term Energy Outlook - November 2020

	2019				2020				2021				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2019	2020	2021
<b>Midwest (MISO)</b>															
Natural Gas .....	37.2	42.2	54.7	42.7	43.9	43.2	53.4	38.1	31.2	33.2	48.0	35.4	176.8	178.6	147.7
Coal .....	77.3	61.2	76.1	61.3	51.0	41.1	71.5	60.2	61.1	56.7	76.0	69.0	275.9	223.9	262.9
Nuclear .....	25.3	23.2	27.1	26.7	26.6	22.9	24.4	23.3	24.8	23.3	24.9	24.3	102.3	97.1	97.3
Conventional hydropower .....	2.9	3.1	2.5	2.4	3.1	3.2	2.5	1.8	2.4	2.6	2.1	1.7	10.9	10.5	8.9
Nonhydro renewables (d) .....	16.4	15.9	12.5	18.7	20.3	20.1	15.5	24.1	25.1	24.6	18.8	26.1	63.5	80.0	94.6
Other energy sources (e) .....	2.0	1.5	1.7	1.0	1.5	1.3	1.4	1.1	1.8	1.1	1.4	0.3	6.2	5.2	4.6
Total generation .....	161.0	147.0	174.7	152.8	146.4	131.7	168.7	148.6	146.4	141.5	171.3	156.9	635.5	595.3	616.1
Net energy for load (f) .....	160.8	151.8	178.7	154.3	152.8	140.4	176.4	149.9	150.3	150.7	176.4	154.1	645.6	619.5	631.5
<b>Central (Southwest Power Pool)</b>															
Natural Gas .....	14.4	16.0	24.3	14.7	17.5	16.3	24.1	12.6	10.4	11.4	20.5	12.5	69.4	70.4	54.8
Coal .....	24.7	17.2	24.9	17.2	17.0	15.7	26.2	13.6	18.0	19.0	26.1	13.5	83.9	72.5	76.6
Nuclear .....	4.4	4.4	4.1	3.4	4.4	4.4	4.2	3.9	3.9	3.3	4.4	4.4	16.2	16.9	16.0
Conventional hydropower .....	5.8	6.7	4.2	3.8	5.9	6.0	4.5	3.1	4.2	4.5	3.6	3.0	20.5	19.4	15.3
Nonhydro renewables (d) .....	18.3	18.8	18.2	22.0	20.3	21.4	17.5	24.9	26.0	26.3	21.9	28.2	77.2	84.0	102.5
Other energy sources (e) .....	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	1.3	0.6	0.5
Total generation .....	68.0	63.6	75.8	61.2	65.1	63.8	76.7	58.2	62.6	64.6	76.7	61.8	268.6	263.9	265.6
Net energy for load (f) .....	63.2	59.1	76.6	61.5	60.9	59.6	74.2	59.1	57.9	60.6	74.8	61.6	260.5	253.8	254.9
<b>Texas (ERCOT)</b>															
Natural Gas .....	35.0	43.4	63.8	39.7	37.2	42.1	57.8	30.3	20.6	27.0	40.4	23.6	181.7	167.4	111.6
Coal .....	17.6	17.8	20.9	16.6	13.1	15.8	21.9	19.4	18.3	23.0	28.6	21.2	72.8	70.3	91.2
Nuclear .....	10.4	9.8	11.0	10.2	10.4	9.7	11.0	10.1	10.7	9.9	10.3	9.6	41.3	41.2	40.5
Conventional hydropower .....	0.3	0.3	0.2	0.1	0.3	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.9	0.9	0.6
Nonhydro renewables (d) .....	18.9	21.0	18.9	20.1	22.5	24.8	21.9	25.0	28.1	31.4	28.2	29.1	78.9	94.2	116.9
Other energy sources (e) .....	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.4	1.6	1.5	1.5
Total generation .....	82.5	92.6	115.2	87.1	84.1	93.0	113.2	85.2	78.3	91.8	108.0	84.0	377.2	375.5	362.2
Net energy for load (f) .....	82.5	92.6	115.2	87.1	84.1	93.0	113.2	85.2	78.3	91.8	108.0	84.0	377.2	375.5	362.2
<b>Northwest</b>															
Natural Gas .....	21.9	16.8	30.2	23.9	23.7	17.1	26.6	20.4	12.3	8.6	17.5	17.8	92.9	87.8	56.1
Coal .....	32.3	20.1	31.9	30.6	22.2	16.1	25.6	26.2	30.5	27.1	30.6	27.9	114.9	90.1	116.0
Nuclear .....	2.5	1.3	2.5	2.6	2.4	2.0	2.5	2.5	2.4	1.2	2.4	2.4	8.9	9.4	8.4
Conventional hydropower .....	30.5	37.1	27.1	26.2	35.0	38.7	32.3	30.9	36.8	36.4	30.8	29.6	120.8	136.9	133.6
Nonhydro renewables (d) .....	9.7	13.1	13.1	10.1	13.7	14.4	13.7	13.4	17.9	17.6	16.6	15.6	46.1	55.2	67.7
Other energy sources (e) .....	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.0	0.6	0.5	0.4
Total generation .....	97.1	88.6	104.9	93.5	97.2	88.5	100.8	93.5	99.9	91.0	98.0	93.4	384.1	379.9	382.3
Net energy for load (f) .....	95.6	84.5	95.6	87.8	88.2	79.0	89.7	86.0	85.3	80.6	89.4	85.5	363.5	342.8	340.9
<b>Southwest</b>															
Natural Gas .....	10.4	12.7	18.9	14.1	11.8	14.7	20.6	12.5	7.4	12.8	16.9	12.0	56.1	59.6	49.0
Coal .....	10.2	8.5	12.4	8.0	5.3	5.3	8.4	6.4	5.5	6.4	9.9	5.5	39.1	25.5	27.2
Nuclear .....	8.6	7.6	8.6	7.2	8.3	7.6	8.7	7.7	8.4	7.6	8.6	7.7	31.9	32.3	32.3
Conventional hydropower .....	3.0	4.3	4.1	2.6	2.7	4.0	3.7	2.7	2.5	3.8	3.5	2.6	14.0	13.0	12.3
Nonhydro renewables (d) .....	2.1	2.8	2.7	2.5	2.5	3.1	2.7	2.9	3.6	3.9	3.3	3.5	10.1	11.2	14.2
Other energy sources (e) .....	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.2	0.2	0.2
Total generation .....	34.4	35.9	46.7	34.4	30.5	34.8	44.2	32.3	27.4	34.5	42.2	31.2	151.4	141.7	135.4
Net energy for load (f) .....	18.4	23.4	35.1	22.3	21.9	26.5	35.9	23.5	21.9	27.0	34.2	23.3	99.3	107.8	106.3
<b>California</b>															
Natural Gas .....	18.0	10.2	23.1	22.8	16.7	12.6	26.4	23.8	13.1	12.1	25.3	20.6	74.1	79.5	71.0
Coal .....	2.2	1.2	1.9	2.2	1.4	1.2	2.0	2.4	2.3	2.6	2.3	2.4	7.5	7.0	9.6
Nuclear .....	3.8	4.9	4.7	2.8	4.8	4.9	4.5	3.5	4.4	4.1	4.9	4.9	16.2	17.7	18.3
Conventional hydropower .....	6.8	11.7	9.1	4.8	3.1	5.6	6.8	5.1	3.1	5.7	6.5	4.9	32.4	20.6	20.2
Nonhydro renewables (d) .....	12.6	18.7	19.2	11.3	14.3	18.9	18.9	12.3	14.4	19.9	19.9	12.9	61.7	64.4	67.1
Other energy sources (e) .....	-0.2	0.2	0.2	0.0	0.0	0.1	0.1	0.0	-0.1	0.1	0.1	0.0	0.2	0.2	0.1
Total generation .....	43.2	46.9	58.2	43.9	40.3	43.2	58.8	47.1	37.1	44.5	59.0	45.6	192.2	189.4	186.3
Net energy for load (f) .....	60.6	63.5	79.1	61.7	57.9	61.0	78.2	63.4	57.4	62.4	75.6	61.4	265.0	260.5	256.8

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Data reflect generation supplied by power plants with a combined capacity of at least 1 megawatt operated by electric utilities and independent power producers.

(a) Large-scale solar generation from power plants with more than 1 megawatt of capacity. Excludes generation from small-scale solar photovoltaic systems.

(b) Residual fuel oil, distillate fuel oil, petroleum coke, and other petroleum liquids.

(c) Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, nonrenewable waste, and miscellaneous technologies.

(d) Wind, large-scale solar, biomass, and geothermal

(e) Pumped storage hydroelectric, petroleum, other gases, batteries, and other nonrenewable fuels. See notes (b) and (c).

(f) Regional generation from generating units operated by electric power sector, plus energy receipts from minus energy deliveries to U.S. balancing authorities outside region.

**Historical data:** Latest data available from U.S. Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226;

**Projections:** EIA Regional Short-Term Energy Model.