

**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 - March 2023

	2022				2023				2024				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024
<b>United States</b>															
Natural Gas .....	336.4	365.3	509.3	375.2	350.4	348.9	488.1	370.2	348.1	336.4	471.2	366.2	1,586.2	1,557.7	1,521.9
Coal .....	217.6	189.1	234.6	182.1	167.5	164.0	212.1	151.5	177.7	154.0	211.7	150.6	823.4	695.1	694.1
Nuclear .....	195.6	184.4	201.5	190.1	195.0	187.1	206.6	195.5	201.4	193.0	209.1	190.4	771.5	784.2	793.9
Renewable Energy Sources: .....	233.0	245.1	197.8	207.2	239.3	271.2	215.2	226.1	264.9	294.3	240.0	244.7	883.1	951.8	1,043.9
Conventional Hydropower .....	74.2	69.2	62.4	55.0	65.0	78.3	63.7	58.5	71.5	80.0	64.6	59.6	260.8	265.5	275.7
Wind .....	119.0	121.0	80.6	113.9	128.5	127.6	85.3	119.9	134.8	130.7	87.9	125.7	434.5	461.4	479.1
Solar (a) .....	29.2	44.4	43.4	27.6	35.0	55.3	55.2	37.3	48.2	74.5	76.4	48.9	144.6	182.9	248.0
Biomass .....	6.6	6.5	7.1	6.5	6.4	6.1	6.7	6.2	6.6	6.3	6.9	6.3	26.7	25.5	26.0
Geothermal .....	4.1	3.9	4.2	4.2	4.3	3.8	4.3	4.2	3.8	2.9	4.3	4.1	16.5	16.6	15.1
Pumped Storage Hydropower .....	-1.2	-1.3	-2.0	-1.5	-1.0	-1.2	-1.8	-1.3	-1.1	-1.4	-2.0	-1.4	-6.0	-5.4	-6.0
Petroleum (b) .....	6.4	4.1	4.5	7.4	5.3	3.8	4.4	5.2	5.5	3.7	4.4	5.5	22.4	18.7	19.2
Other Gases .....	0.8	0.9	1.0	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.9	0.8	3.5	3.3	3.4
Other Nonrenewable Fuels (c) .....	1.6	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.1	1.0	1.0	6.2	5.5	4.5
Total Generation .....	990.0	989.3	1,148.2	962.7	958.7	975.9	1,126.9	949.4	998.6	982.1	1,136.3	957.9	4,090.3	4,010.9	4,074.9
<b>New England (ISO-NE)</b>															
Natural Gas .....	12.1	12.6	17.4	11.4	15.1	13.3	16.2	12.6	13.4	11.4	14.4	11.7	53.4	57.1	50.9
Coal .....	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.3	0.3	0.4
Nuclear .....	7.1	5.6	7.3	7.4	7.2	5.7	7.3	6.2	7.2	7.2	7.3	5.7	27.4	26.3	27.4
Conventional hydropower .....	1.7	1.5	1.0	1.3	1.9	2.2	1.2	1.7	2.0	2.2	1.2	1.7	5.5	7.0	7.1
Nonhydro renewables (d) .....	3.2	3.2	3.0	3.0	3.0	3.2	3.1	3.0	3.3	3.8	3.6	3.8	12.4	12.3	14.4
Other energy sources (e) .....	1.4	0.3	0.3	0.8	1.0	0.3	0.2	0.4	1.0	0.3	0.2	0.5	2.8	2.0	2.0
Total generation .....	25.7	23.1	29.2	23.9	28.3	24.6	28.0	24.0	27.1	24.9	26.7	23.5	101.8	104.9	102.2
Net energy for load (f) .....	30.2	26.0	33.0	27.5	29.2	27.7	32.0	28.6	30.9	28.0	32.4	28.9	116.6	117.6	120.1
<b>New York (NYISO)</b>															
Natural Gas .....	14.1	15.5	21.2	14.3	10.0	13.3	13.3	13.0	15.0	15.3	15.9	14.2	65.0	49.5	60.4
Coal .....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nuclear .....	6.4	7.0	6.4	7.0	6.8	6.5	7.0	7.0	6.3	7.0	6.9	6.4	26.8	27.3	26.6
Conventional hydropower .....	7.3	6.9	6.6	6.6	6.7	6.8	6.8	7.0	6.9	6.9	6.9	7.1	27.4	27.4	27.8
Nonhydro renewables (d) .....	2.2	2.1	1.8	2.2	2.5	2.6	2.1	2.8	3.1	3.3	2.6	3.3	8.2	10.0	12.3
Other energy sources (e) .....	1.1	0.1	0.1	0.8	0.5	0.1	0.2	0.4	0.7	0.1	0.2	0.4	2.2	1.2	1.4
Total generation .....	31.0	31.6	36.1	30.9	26.4	29.3	29.4	30.3	32.0	32.6	32.5	31.4	129.6	115.4	128.5
Net energy for load (f) .....	37.6	34.0	43.3	35.0	36.2	35.6	41.8	35.2	37.3	35.4	41.8	35.2	149.9	148.8	149.7
<b>Mid-Atlantic (PJM)</b>															
Natural Gas .....	76.8	74.3	103.8	79.9	83.1	75.4	103.8	80.4	81.0	75.1	103.0	80.8	334.8	342.7	340.0
Coal .....	48.6	35.3	42.2	30.7	32.7	33.1	40.6	26.1	38.0	34.0	42.5	27.4	156.8	132.5	142.0
Nuclear .....	69.0	65.1	69.7	66.8	67.2	67.2	71.9	68.6	69.0	64.8	71.9	68.5	270.6	274.9	274.1
Conventional hydropower .....	2.7	2.4	1.4	2.0	2.7	2.6	1.7	2.1	2.7	2.6	1.7	2.1	8.6	9.1	9.0
Nonhydro renewables (d) .....	13.2	13.0	9.7	12.5	14.4	13.7	11.2	13.7	16.1	16.3	14.0	15.8	48.4	53.0	62.1
Other energy sources (e) .....	0.7	0.4	0.2	1.3	0.7	0.4	0.3	0.9	0.7	0.4	0.4	1.0	2.6	2.3	2.4
Total generation .....	211.1	190.3	227.1	193.3	200.8	192.3	229.6	191.7	207.5	193.2	233.5	195.6	821.8	814.5	829.7
Net energy for load (f) .....	200.9	180.3	213.2	186.2	191.8	184.2	210.7	184.6	204.4	183.7	211.0	185.1	780.7	771.4	784.1
<b>Southeast (SERC)</b>															
Natural Gas .....	63.0	66.9	86.2	64.5	60.5	64.1	89.6	71.8	72.8	61.8	87.1	73.0	280.6	286.0	294.6
Coal .....	32.3	32.8	32.0	28.1	22.0	25.2	30.1	21.5	27.0	25.3	31.2	20.2	125.1	98.8	103.7
Nuclear .....	51.4	51.1	55.4	51.1	52.2	52.2	57.4	56.6	57.6	57.7	60.2	55.1	209.0	218.4	230.6
Conventional hydropower .....	10.3	8.3	6.1	8.0	11.4	9.0	8.1	9.1	11.5	9.0	8.1	9.1	32.7	37.6	37.7
Nonhydro renewables (d) .....	5.0	7.0	6.6	4.7	5.5	7.6	7.1	5.3	6.4	8.5	7.9	5.9	23.3	25.6	28.8
Other energy sources (e) .....	-0.2	-0.3	-0.6	-0.1	-0.3	-0.3	-0.7	-0.2	-0.2	-0.4	-0.8	-0.2	-1.2	-1.5	-1.7
Total generation .....	161.8	165.8	185.7	156.3	151.3	157.8	191.6	164.2	175.0	161.9	193.5	163.2	669.6	664.9	693.6
Net energy for load (f) .....	164.3	169.9	184.4	155.5	149.2	158.6	187.6	158.6	172.6	168.0	195.5	164.6	674.1	654.0	700.7
<b>Florida (FRCC)</b>															
Natural Gas .....	38.7	47.8	57.3	41.3	37.1	42.0	56.6	40.3	44.8	49.2	62.2	45.4	185.0	176.0	201.6
Coal .....	3.5	4.2	3.7	4.1	2.4	3.3	3.0	3.0	1.8	3.0	2.7	2.9	15.5	11.7	10.4
Nuclear .....	7.3	7.9	7.5	8.1	7.1	7.0	7.5	7.7	7.2	7.8	7.9	6.4	30.8	29.4	29.3
Conventional hydropower .....	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.2
Nonhydro renewables (d) .....	2.9	3.8	3.5	2.7	3.8	5.3	4.5	3.5	5.1	6.8	5.7	4.3	12.9	17.1	21.9
Other energy sources (e) .....	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.6	0.8	0.6	0.7	0.6	2.6	2.7	2.7
Total generation .....	53.2	64.2	72.7	56.8	51.2	58.3	72.4	55.2	59.7	67.6	79.2	59.7	247.0	237.0	266.2
Net energy for load (f) .....	53.2	66.4	74.1	58.5	53.9	61.8	69.7	54.3	52.3	61.4	69.9	54.6	252.2	239.7	238.2

(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.

Notes: EIA completed modeling and analysis for this report on March 2, 2022.

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.

**Historical data:** Latest data available from U.S. Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

**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 - March 2023

	2022				2023				2024				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024
<b>Midwest (MISO)</b>															
Natural Gas .....	41.5	47.4	59.7	44.0	46.3	52.5	59.3	47.1	42.5	49.9	55.6	44.1	192.7	205.2	192.1
Coal .....	64.5	54.1	68.6	53.4	52.2	50.4	62.9	45.7	52.8	42.6	59.7	46.8	240.6	211.2	201.8
Nuclear .....	23.8	19.6	24.3	23.7	23.4	21.7	24.5	21.0	23.3	22.5	23.9	21.6	91.4	90.6	91.2
Conventional hydropower .....	2.9	2.7	2.5	2.3	2.7	3.0	2.4	2.2	2.5	2.9	2.4	2.2	10.3	10.3	10.0
Nonhydro renewables (d) .....	32.0	28.7	20.3	31.2	33.4	30.6	22.3	33.7	35.6	32.9	25.0	36.0	112.3	120.0	129.6
Other energy sources (e) .....	1.4	1.7	1.3	1.8	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.7	6.2	6.4	6.3
Total generation .....	166.1	154.2	176.8	156.4	159.7	159.8	173.0	151.3	158.4	152.3	168.0	152.4	653.5	643.8	631.1
Net energy for load (f) .....	165.1	159.0	179.5	155.8	158.9	160.5	179.9	156.8	166.0	160.5	180.8	157.9	659.5	656.1	665.3
<b>Central (Southwest Power Pool)</b>															
Natural Gas .....	10.4	13.4	22.3	14.3	13.3	15.3	22.5	15.1	13.3	16.1	21.9	15.0	60.4	66.2	66.4
Coal .....	22.1	20.5	30.1	18.8	16.2	16.4	21.8	13.2	16.7	14.2	22.2	12.8	91.5	67.6	66.0
Nuclear .....	4.3	4.3	3.9	2.1	4.3	4.3	4.3	4.3	4.3	3.0	4.3	3.5	14.6	17.2	15.1
Conventional hydropower .....	4.3	3.9	3.2	3.1	3.9	4.3	3.7	3.1	3.6	4.2	3.7	3.1	14.5	15.0	14.5
Nonhydro renewables (d) .....	28.6	29.6	21.3	27.7	31.0	31.6	22.8	28.9	33.0	32.7	23.9	30.5	107.3	114.3	120.1
Other energy sources (e) .....	0.3	0.4	0.2	0.4	0.3	0.3	0.1	0.3	0.3	0.3	0.2	0.3	1.2	1.0	1.1
Total generation .....	70.0	72.0	81.1	66.4	68.9	72.2	75.3	64.8	71.3	70.5	76.2	65.1	289.5	281.3	283.1
Net energy for load (f) .....	67.5	65.6	81.0	65.5	67.4	65.8	77.5	63.4	67.5	66.0	78.4	64.5	279.7	274.2	276.3
<b>Texas (ERCOT)</b>															
Natural Gas .....	33.4	42.8	64.7	40.9	32.0	33.7	52.4	33.8	26.1	24.3	43.3	28.6	181.9	151.9	122.2
Coal .....	17.7	16.8	20.2	16.6	11.2	13.4	19.1	14.2	12.7	13.9	19.1	13.7	71.2	57.9	59.4
Nuclear .....	11.0	9.9	10.7	10.0	11.0	9.1	11.0	10.1	10.9	9.8	11.0	9.2	41.6	41.2	41.0
Conventional hydropower .....	0.2	0.1	0.0	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.5	0.6	0.6
Nonhydro renewables (d) .....	30.8	39.2	28.1	29.3	36.7	45.5	33.4	33.4	41.2	51.7	42.0	39.5	127.4	149.0	174.3
Other energy sources (e) .....	0.4	0.5	0.4	0.3	0.3	0.4	0.3	0.4	0.2	0.3	0.2	0.2	1.5	1.4	0.9
Total generation .....	93.5	109.3	124.1	97.2	91.3	102.2	116.5	92.0	91.4	100.2	115.7	91.2	424.1	402.0	398.4
Net energy for load (f) .....	93.5	109.3	124.1	97.2	91.3	102.2	116.5	92.0	91.4	100.2	115.7	91.2	424.1	402.0	398.4
<b>Northwest</b>															
Natural Gas .....	20.2	15.9	27.3	24.6	25.3	11.7	25.9	17.1	17.5	11.6	27.5	18.0	88.1	79.9	74.5
Coal .....	21.7	18.1	26.9	22.1	23.2	15.7	25.1	20.8	20.5	14.3	24.8	19.9	88.8	84.8	79.5
Nuclear .....	2.5	2.3	2.5	2.6	2.5	1.2	2.4	2.4	2.4	2.4	2.4	2.4	9.9	8.6	9.7
Conventional hydropower .....	38.7	35.7	34.0	26.9	28.4	37.4	29.9	27.8	35.2	41.2	30.7	28.2	135.2	123.5	135.3
Nonhydro renewables (d) .....	19.2	20.4	16.0	18.0	21.4	21.9	18.0	19.6	23.2	24.3	20.3	21.0	73.6	80.9	88.8
Other energy sources (e) .....	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.4	0.5
Total generation .....	102.5	92.6	106.9	94.4	100.9	88.0	101.4	87.8	98.9	93.8	105.9	89.7	396.3	378.1	388.3
Net energy for load (f) .....	97.0	89.1	104.9	97.4	98.0	90.7	101.7	92.7	95.7	90.8	101.8	92.9	388.4	383.1	381.1
<b>Southwest</b>															
Natural Gas .....	9.6	12.9	18.6	13.6	12.1	14.9	22.3	14.9	7.5	11.4	18.8	13.0	54.6	64.2	50.6
Coal .....	6.1	6.3	8.1	6.2	5.6	5.1	6.5	4.9	6.1	5.2	6.6	4.7	26.7	22.1	22.6
Nuclear .....	8.2	7.5	8.7	7.6	8.6	7.5	8.6	7.5	8.5	7.4	8.6	7.6	31.9	32.2	32.1
Conventional hydropower .....	1.9	2.1	1.8	1.4	1.4	2.2	2.1	1.4	1.7	2.0	1.8	1.4	7.1	7.1	6.9
Nonhydro renewables (d) .....	4.6	5.7	3.9	4.4	4.4	6.0	3.9	5.0	6.1	7.2	4.8	5.6	18.6	19.3	23.8
Other energy sources (e) .....	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.1
Total generation .....	30.3	34.4	41.1	33.2	32.1	35.8	43.4	33.7	29.9	33.3	40.7	32.2	139.2	145.0	136.1
Net energy for load (f) .....	23.6	28.7	34.0	23.6	24.1	27.9	35.1	23.8	23.2	27.4	34.8	23.5	109.8	111.0	108.9
<b>California</b>															
Natural Gas .....	15.8	15.5	29.9	25.8	15.0	12.2	25.7	23.3	13.4	9.7	20.9	21.7	87.1	76.2	65.7
Coal .....	0.5	0.7	2.4	1.9	1.4	1.1	2.5	1.7	1.3	1.1	2.5	1.7	5.5	6.7	6.6
Nuclear .....	4.6	4.2	5.0	3.8	4.8	4.7	4.6	4.1	4.7	3.6	4.7	3.9	17.6	18.1	16.9
Conventional hydropower .....	3.6	5.3	5.3	2.9	5.2	10.1	7.3	3.5	4.7	8.4	7.7	4.2	17.1	26.1	25.0
Nonhydro renewables (d) .....	16.7	22.8	20.7	16.0	17.9	24.2	22.6	18.2	19.9	26.2	24.9	18.9	76.1	82.9	89.8
Other energy sources (e) .....	0.0	-0.2	0.1	-0.2	-0.1	-0.2	0.0	-0.3	-0.1	-0.5	-0.1	-0.4	-0.2	-0.6	-1.1
Total generation .....	41.2	48.2	63.4	50.2	44.1	52.2	62.7	50.5	44.0	48.4	60.6	50.0	203.1	209.4	203.0
Net energy for load (f) .....	53.5	57.5	72.6	56.9	55.0	57.4	70.7	55.4	53.9	57.3	70.7	55.5	240.4	238.5	237.4

(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.

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

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

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