

Released: May 2021

Next MECS will be fielded in 2023.

Table 11.4 Electricity: Components of Onsite Generation, 2018;

Level: National and Regional Data;

Row: Values of Shipments and Employment Sizes;

Column: Onsite-Generation Components;

Unit: Million Kilowatthours.

Economic Characteristic(a)	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
Total United States				
Value of Shipments and Receipts (million dollars)				
Under 20	3,381	2,871	408	Q
20-49	579	212	103	Q
50-99	7,753	7,575	85	93
100-249	9,922	9,383	321	218
250-499	24,803	24,585	191	27
500 and Over	89,749	86,066	116	3,567
Total	136,187	130,692	1,223	4,272
Employment Size				
Under 50	5,987	5,308	Q	295
50-99	1,745	1,621	83	Q
100-249	14,639	14,292	149	198
250-499	34,204	33,210	338	656
500-999	32,600	30,663	168	1,769
1000 and Over	47,011	45,598	99	1,314
Total	136,187	130,692	1,223	4,272
Northeast Census Region				
Value of Shipments and Receipts (million dollars)				
Under 20	149	68	80	1
20-49	116	89	23	Q
50-99	377	328	22	28
100-249	1,356	1,199	153	4
250-499	2,112	2,092	15	5
500 and Over	3,895	3,192	14	689
Total	8,004	6,967	307	731
Employment Size				
Under 50	133	60	69	Q
50-99	121	83	Q	*
100-249	577	508	37	32
250-499	1,870	1,736	133	1
500-999	2,910	2,830	11	69
1000 and Over	2,393	1,750	18	624
Total	8,004	6,967	307	731
Midwest Census Region				
Value of Shipments and Receipts (million dollars)				
Under 20	35	Q	Q	Q
20-49	Q	2	15	Q
50-99	3,895	3,874	9	12
100-249	1,994	1,841	112	41
250-499	3,247	3,125	121	2
500 and Over	10,813	10,482	46	286
Total	20,067	19,337	322	408
Employment Size				
Under 50	178	130	Q	29
50-99	887	878	7	3

100-249	673	578	20	Q
250-499	9,196	9,066	109	22
500-999	2,512	2,380	121	11
1000 and Over	6,620	6,305	Q	269
Total	20,067	19,337	322	408

South Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	2,777	2,748	Q	8
20-49	111	Q	Q	Q
50-99	2,888	2,859	2	27
100-249	4,354	4,307	31	Q
250-499	18,083	18,042	25	17
500 and Over	67,508	65,310	13	2,186
Total	95,722	93,295	142	2,285

Employment Size

Under 50	5,101	5,051	Q	Q
50-99	679	650	13	16
100-249	10,345	10,280	30	36
250-499	17,697	17,053	Q	607
500-999	24,313	22,762	27	1,524
1000 and Over	37,586	37,498	16	71
Total	95,722	93,295	142	2,285

West Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	419	41	Q	Q
20-49	270	93	14	Q
50-99	593	515	52	Q
100-249	2,219	2,037	25	157
250-499	1,360	1,327	30	4
500 and Over	7,532	7,082	43	407
Total	12,394	11,094	452	848

Employment Size

Under 50	575	66	Q	Q
50-99	58	10	Q	Q
100-249	3,043	2,927	62	Q
250-499	5,441	5,355	59	Q
500-999	2,864	2,691	8	165
1000 and Over	412	45	19	349
Total	12,394	11,094	452	848

- (a) *Value of Shipments and Receipts* and *Employment Size* categories were supplied by the Bureau of the Census.
- (b) *Cogeneration* is the production of electrical energy and another form of useful energy, such as heat or steam, through the sequential use of energy. Cogeneration includes electricity generated from fossil fuels, such as natural gas, fuel oils, and coal; wood; and other biomass.
- (c) *Renewable Energy* is energy obtained from essentially inexhaustible sources. Noncombustible sources include solar power, wind power, hydropower, and geothermal power.
- (d) *Other* is that electricity obtained from a generator fueled by combustible energy sources, such as diesel fuels and other fuel oils.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

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

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, 2018 *Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the 2018 *Annual Survey of Manufactures*.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).

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RSE Table 11.4 Relative Standard Errors for Table 11.4;

Unit: Percents.

Economic Characteristic(a)	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
Total United States				
Value of Shipments and Receipts (million dollars)				
Under 20	6.3	1.0	49.2	69.0
20-49	24.7	11.8	28.6	52.1
50-99	0.8	0.8	12.2	22.8
100-249	0.6	0.2	5.6	24.9
250-499	0.3	0.2	13.7	4.1
500 and Over	0.2	0.2	7.4	0.1
Total	0.2	0.2	16.8	3.9
Employment Size				
Under 50	4.2	1.0	51.7	49.1
50-99	2.5	1.6	33.7	51.7
100-249	1.4	1.4	12.6	36.9
250-499	0.1	0.1	8.6	3.5
500-999	0.1	0.1	1.8	0.5
1000 and Over	0.1	0.1	26.5	0.3
Total	0.2	0.2	16.8	3.9
Northeast Census Region				
Value of Shipments and Receipts (million dollars)				
Under 20	25.3	28.6	40.5	48.9
20-49	2.7	0.1	7.3	67.2
50-99	9.7	10.9	32.7	0.1
100-249	1.4	0.6	11.3	1.1
250-499	0.1	0.0	17.5	0.0
500 and Over	0.2	0.0	44.4	0.1
Total	0.7	0.6	12.4	0.4
Employment Size				
Under 50	25.4	32.8	39.3	72.5
50-99	16.4	0.1	52.3	15.3
100-249	6.8	7.1	43.1	0.1
250-499	0.3	0.3	2.2	0.0
500-999	0.1	0.0	17.4	0.0
1000 and Over	0.3	0.0	35.8	0.1
Total	0.7	0.6	12.4	0.4
Midwest Census Region				
Value of Shipments and Receipts (million dollars)				
Under 20	41.8	70.2	58.9	52.4
20-49	61.4	0.0	4.4	76.9
50-99	1.1	1.1	9.3	5.1
100-249	0.6	0.3	0.0	24.2
250-499	2.0	1.9	20.4	37.1
500 and Over	0.1	0.0	10.4	0.1
Total	0.5	0.4	8.6	12.6
Employment Size				
Under 50	25.5	33.7	59.3	5.2
50-99	0.9	0.9	9.6	23.9
100-249	7.5	0.0	0.1	67.0
250-499	0.1	0.1	0.8	45.3
500-999	0.1	0.0	0.8	1.6

1000 and Over	1.0	0.9	54.9	0.1
Total	0.5	0.4	8.6	12.6

South Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	0.9	0.7	78.2	39.6
20-49	38.7	82.7	56.4	67.9
50-99	0.1	0.0	0.0	2.5
100-249	0.3	0.2	15.2	56.0
250-499	0.1	0.0	13.5	5.4
500 and Over	0.3	0.3	3.1	0.1
Total	0.2	0.2	23.7	1.0

Employment Size

Under 50	0.6	0.4	89.9	69.4
50-99	3.7	3.7	44.6	4.4
100-249	1.9	1.9	24.0	4.5
250-499	0.2	0.1	73.7	0.1
500-999	0.1	0.0	7.3	0.6
1000 and Over	0.1	0.1	20.2	0.3
Total	0.2	0.2	23.7	1.0

West Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	49.9	5.3	68.6	77.6
20-49	46.9	7.1	48.1	77.4
50-99	4.9	2.3	14.4	82.5
100-249	2.5	0.7	8.9	33.6
250-499	0.5	0.0	24.6	4.9
500 and Over	0.1	0.0	7.1	1.0
Total	2.0	0.2	43.7	18.3

Employment Size

Under 50	42.3	17.9	70.7	61.8
50-99	48.3	0.0	74.1	93.7
100-249	1.8	0.4	11.1	96.8
250-499	0.5	0.2	15.4	81.6
500-999	0.1	0.1	4.2	0.0
1000 and Over	1.3	0.0	9.8	1.2
Total	2.0	0.2	43.7	18.3

- (a) *Value of Shipments and Receipts* and *Employment Size* categories were supplied by the Bureau of the Census.
- (b) *Cogeneration* is the production of electrical energy and another form of useful energy, such as heat or steam, through the sequential use of energy. Cogeneration includes electricity generated from fossil fuels, such as natural gas, fuel oils, and coal; wood; and other biomass.
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* Estimate less than 0.5.

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

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