

Released: May 2021

Next MECS will be fielded in 2023.

Table 11.2 Electricity: Components of Net Demand, 2018;

Level: National and Regional Data;

Row: Values of Shipments and Employment Sizes;

Column: Electricity Components;

Unit: Million Kilowatthours.

Economic Characteristic(a)	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
Total United States					
Value of Shipments and Receipts (million dollars)					
Under 20	94,778	Q	3,381	1,515	97,111
20-49	78,647	10	579	126	79,110
50-99	118,197	17	7,753	1,202	124,764
100-249	151,367	69	9,922	2,526	158,833
250-499	100,921	1,987	24,803	2,723	124,987
500 and Over	234,486	4,468	89,749	19,033	309,670
Total	778,396	7,017	136,187	27,125	894,476
Employment Size					
Under 50	93,832	Q	5,987	1,970	98,319
50-99	81,701	24	1,745	846	82,624
100-249	188,634	1,757	14,639	2,263	202,768
250-499	173,944	478	34,204	5,808	202,818
500-999	135,999	1,774	32,600	3,095	167,278
1000 and Over	104,288	2,514	47,011	13,143	140,670
Total	778,396	7,017	136,187	27,125	894,476
Northeast Census Region					
Value of Shipments and Receipts (million dollars)					
Under 20	13,167	Q	149	20	13,640
20-49	10,999	10	116	22	11,102
50-99	15,798	5	377	66	16,114
100-249	13,445	0	1,356	656	14,144
250-499	7,270	0	2,112	835	8,547
500 and Over	13,613	Q	3,895	177	17,333
Total	74,291	Q	8,004	1,777	80,879
Employment Size					
Under 50	11,065	Q	133	25	11,516
50-99	10,066	*	121	51	10,136
100-249	22,714	12	577	41	23,262
250-499	11,625	2	1,870	1,099	12,399
500-999	9,403	0	2,910	399	11,915
1000 and Over	9,418	Q	2,393	162	11,651
Total	74,291	Q	8,004	1,777	80,879
Midwest Census Region					
Value of Shipments and Receipts (million dollars)					
Under 20	34,210	*	35	*	34,245
20-49	26,104	0	Q	Q	26,166
50-99	37,990	0	3,895	26	41,859
100-249	49,976	28	1,994	429	51,568
250-499	27,781	247	3,247	78	31,196
500 and Over	68,609	166	10,813	576	79,013
Total	244,669	441	20,067	1,129	264,048
Employment Size					
Under 50	32,206	25	178	Q	32,390
50-99	33,349	0	887	390	33,846
100-249	49,586	0	673	86	50,173
250-499	53,652	416	9,196	238	63,026
500-999	42,327	0	2,512	99	44,740
1000 and Over	33,550	0	6,620	298	39,872
Total	244,669	441	20,067	1,129	264,048
South Census Region					
Value of Shipments and Receipts (million dollars)					

Under 20	32,570	37	2,777	1,464	33,920
20-49	32,118	0	111	13	32,216
50-99	41,378	Q	2,888	771	43,501
100-249	68,608	42	4,354	620	72,384
250-499	46,461	1,740	18,083	1,311	64,973
500 and Over	128,388	3,260	67,508	15,553	183,604
Total	349,522	5,084	95,722	19,732	430,596

Employment Size

Under 50	35,665	Q	5,101	1,913	38,866
50-99	30,788	24	679	388	31,103
100-249	82,913	1,746	10,345	1,238	93,766
250-499	81,521	42	17,697	1,870	97,390
500-999	68,245	748	24,313	1,969	91,338
1000 and Over	50,391	2,511	37,586	12,355	78,133
Total	349,522	5,084	95,722	19,732	430,596

West Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	14,832	Q	419	Q	15,307
20-49	9,427	0	270	71	9,626
50-99	23,031	Q	593	339	23,291
100-249	19,339	0	2,219	820	20,737
250-499	19,409	*	1,360	499	20,271
500 and Over	23,877	1,039	7,532	2,728	29,720
Total	109,914	1,132	12,394	4,487	118,953

Employment Size

Under 50	14,896	Q	575	14	15,546
50-99	7,498	0	58	Q	7,539
100-249	33,422	0	3,043	898	35,567
250-499	27,146	18	5,441	2,602	30,002
500-999	16,024	1,026	2,864	628	19,285
1000 and Over	10,929	0	412	328	11,013
Total	109,914	1,132	12,394	4,487	118,953

(a) *Value of Shipments and Receipts* and *Employment Size* categories were supplied by the Bureau of the Census.

(b) *Transfers In* include quantities delivered from any other establishment(s) in the company, quantities transferred from other establishments of the company for which payment was not made, quantities purchased centrally within the company but separate from the reporting establishment, and quantities for which payment was made in-kind.

(c) *Total Onsite Generation* includes cogeneration, generation by renewable energy sources, and conventional generation by combustible fuels.

(d) *Net Demand* is the sum of purchases, transfers in, and total onsite generation, minus sales and transfers offsite. It is the total amount of electricity used. It is not comparable to net electricity which excludes electricity generated onsite by combustible energy sources.

* 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 11.2 Relative Standard Errors for Table 11.2;
 Unit: Percents.

Economic Characteristic(a)	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
Total United States					
Value of Shipments and Receipts					
(million dollars)					
Under 20	6.2	70.8	6.3	1.3	6.1
20-49	4.9	1.3	24.7	13.9	4.9
50-99	9.2	38.5	0.8	6.0	8.7
100-249	3.2	2.0	0.6	0.5	3.0
250-499	3.7	0.0	0.3	0.2	3.0
500 and Over	1.0	0.1	0.2	0.3	0.8
Total	1.8	4.7	0.2	0.4	1.6
Employment Size					
Under 50	5.1	70.3	4.2	1.0	4.9
50-99	5.8	0.5	2.5	2.1	5.7
100-249	6.0	0.3	1.4	4.2	5.6
250-499	2.7	1.0	0.1	0.1	2.3
500-999	2.2	0.0	0.1	0.1	1.8
1000 and Over	2.2	0.1	0.1	0.1	1.6
Total	1.8	4.7	0.2	0.4	1.6
Northeast Census Region					
Value of Shipments and Receipts					
(million dollars)					
Under 20	8.1	93.5	25.3	31.7	8.1
20-49	13.5	1.3	2.7	14.4	13.3
50-99	18.6	34.6	9.7	0.4	18.2
100-249	10.8	X	1.4	1.4	10.2
250-499	6.3	X	0.1	0.3	5.3
500 and Over	4.5	61.2	0.2	0.0	3.6
Total	5.1	89.1	0.7	0.7	4.7
Employment Size					
Under 50	6.1	93.5	25.4	37.0	6.5
50-99	12.0	69.2	16.4	3.8	11.9
100-249	14.4	13.9	6.8	7.6	14.1
250-499	9.3	0.0	0.3	0.5	8.7
500-999	8.2	X	0.1	0.5	6.5
1000 and Over	5.0	60.3	0.3	1.1	4.0
Total	5.1	89.1	0.7	0.7	4.7
Midwest Census Region					
Value of Shipments and Receipts					
(million dollars)					
Under 20	11.7	99.5	41.8	10.6	11.7
20-49	8.9	X	61.4	81.8	8.9
50-99	7.3	X	1.1	0.0	6.6
100-249	5.1	5.1	0.6	0.7	4.9
250-499	6.1	0.0	2.0	0.1	5.4
500 and Over	2.5	0.0	0.1	0.0	2.1
Total	2.5	0.3	0.5	1.5	2.3
Employment Size					
Under 50	11.9	0.1	25.5	88.6	11.8
50-99	6.6	X	0.9	0.0	6.5
100-249	6.4	X	7.5	0.0	6.3
250-499	4.4	0.3	0.1	1.2	3.7
500-999	4.8	X	0.1	0.1	4.5
1000 and Over	4.6	X	1.0	0.0	3.9
Total	2.5	0.3	0.5	1.5	2.3
South Census Region					
Value of Shipments and Receipts					
(million dollars)					
Under 20	12.8	34.0	0.9	0.4	12.3
20-49	8.3	X	38.7	44.7	8.3
50-99	5.7	78.5	0.1	0.0	5.4

100-249	5.4	0.0	0.3	1.1	5.1
250-499	3.0	0.0	0.1	0.2	2.1
500 and Over	1.3	0.0	0.3	0.4	0.9
Total	1.9	0.3	0.2	0.3	1.6

Employment Size

Under 50	7.6	99.0	0.6	0.3	7.0
50-99	12.9	0.0	3.7	1.5	12.8
100-249	4.2	0.2	1.9	5.0	3.7
250-499	3.0	0.0	0.2	0.2	2.5
500-999	3.1	0.0	0.1	0.1	2.3
1000 and Over	3.2	0.0	0.1	0.1	2.1
Total	1.9	0.3	0.2	0.3	1.6

West Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	6.7	87.4	49.9	58.4	7.0
20-49	9.2	X	46.9	0.0	9.1
50-99	42.9	67.7	4.9	21.1	42.4
100-249	6.7	X	2.5	0.0	6.3
250-499	15.8	0.0	0.5	0.0	15.2
500 and Over	1.3	0.0	0.1	0.1	1.1
Total	9.5	6.7	2.0	1.6	8.8

Employment Size

Under 50	5.6	85.3	42.3	43.2	6.0
50-99	10.9	X	48.3	95.9	10.8
100-249	29.7	X	1.8	8.0	27.9
250-499	11.8	25.8	0.5	0.1	10.7
500-999	3.4	0.0	0.1	0.0	2.8
1000 and Over	2.7	X	1.3	0.4	2.7
Total	9.5	6.7	2.0	1.6	8.8

(a) *Value of Shipments and Receipts* and *Employment Size* categories were supplied by the Bureau of the Census.

(b) *Transfers In* include quantities delivered from any other establishment(s) in the company, quantities transferred from other establishments of the company for which payment was not made, quantities purchased centrally within the company but separate from the reporting establishment, and quantities for which payment was made in-kind.

(c) *Total Onsite Generation* includes cogeneration, generation by renewable energy sources, and conventional generation by combustible fuels.

(d) *Net Demand* is the sum of purchases, transfers in, and total onsite generation, minus sales and transfers offsite. It is the total amount of electricity used. It is not comparable to net electricity which excludes electricity generated onsite by combustible energy sources.

* 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.

X=Not defined because RSE corresponds to a data table value of zero.

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*.

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