

Released: September 2025
Next MECS will be fielded in 2027

Table 11.2 Electricity: components of net demand, 2022

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	98,674	590	1,947	941	100,269
20–49	70,371	364	3,140	1,455	72,420
50–99	109,065	70	6,897	877	115,155
100–249	165,422	20	20,653	3,122	182,973
250–499	105,215	118	24,158	4,436	125,054
500 and over	258,344	3,221	94,571	19,298	336,838
Total	807,089	4,383	151,366	30,129	932,709
Employment size					
Under 50	109,732	95	7,186	2,212	114,801
50–99	88,009	353	5,542	1,264	92,641
100–249	192,493	582	16,156	3,105	206,126
250–499	166,363	118	41,915	7,000	201,396
500–999	140,100	264	33,908	4,532	169,740
1,000 and over	110,392	2,972	46,659	12,016	148,006
Total	807,089	4,383	151,366	30,129	932,709
Northeast Census Region					
Value of shipments and receipts (million dollars)					
Under 20	10,182	Q	300	Q	10,456
20–49	11,679	0	134	10	11,803
50–99	16,498	0	633	24	17,107
100–249	18,869	0	10,918	299	29,488
250–499	11,279	0	2,391	343	13,327
500 and over	13,767	0	3,768	343	17,193
Total	82,274	Q	18,144	1,068	99,373
Employment size					
Under 50	9,992	Q	191	Q	10,159
50–99	14,702	0	380	46	15,036
100–249	18,503	0	906	34	19,374
250–499	19,459	0	11,400	611	30,247
500–999	9,492	0	2,573	187	11,879
1,000 and over	10,126	0	2,695	142	12,679
Total	82,274	Q	18,144	1,068	99,373
Midwest Census Region					
Value of shipments and receipts (million dollars)					
Under 20	30,101	1	Q	Q	30,825
20–49	25,216	Q	286	3	25,634
50–99	25,684	20	2,325	19	28,011
100–249	67,280	20	1,888	Q	68,795
250–499	32,060	0	2,457	808	33,710
500 and over	76,686	0	9,405	427	85,664
Total	257,026	Q	17,085	1,650	272,639
Employment size					
Under 50	35,572	22	3,044	35	38,603
50–99	33,594	Q	970	357	34,341
100–249	61,478	Q	504	330	61,658
250–499	51,245	0	3,913	584	54,574
500–999	35,474	14	3,217	53	38,653
1,000 and over	39,664	0	5,437	291	44,810
Total	257,026	Q	17,085	1,650	272,639
South Census Region					
Value of shipments and receipts					

(million dollars)

Under 20	46,857	0	596	334	47,119
20–49	24,799	228	2,630	1,430	26,227
50–99	50,292	46	2,963	628	52,673
100–249	57,413	0	5,077	1,300	61,189
250–499	47,276	118	17,254	1,106	63,541
500 and over	143,924	3,220	71,429	16,735	201,838
Total	370,561	3,612	99,949	21,533	452,588

Employment size

Under 50	50,884	46	3,159	1,853	52,236
50–99	29,649	218	3,903	834	32,937
100–249	84,075	Q	11,703	1,364	94,424
250–499	74,091	118	20,862	2,814	92,257
500–999	81,566	249	25,472	3,214	104,074
1,000 and over	50,296	2,971	34,849	11,455	76,661
Total	370,561	3,612	99,949	21,533	452,588

West Census Region

Value of shipments and receipts

(million dollars)

Under 20	11,534	567	326	556	11,870
20–49	8,676	0	91	12	8,755
50–99	16,591	4	975	206	17,365
100–249	21,861	0	2,770	1,130	23,501
250–499	14,600	0	2,056	2,180	14,476
500 and over	23,967	1	9,969	1,794	32,143
Total	97,228	572	16,187	5,878	108,109

Employment size

Under 50	13,284	4	792	277	13,804
50–99	10,063	*	289	26	10,327
100–249	28,438	566	3,043	1,378	30,670
250–499	21,568	0	5,740	2,990	24,318
500–999	13,569	0	2,645	1,079	15,135
1,000 and over	10,306	1	3,677	129	13,856
Total	97,228	572	16,187	5,878	108,109

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, *2022 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2022 Economic Census, Manufacturing – Industry Series*

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

^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 establishments 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 (RSE) is greater than 50%

NA=Not available

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).

RSE Table 11.2 Relative standard errors for Table 11.2

Unit: Percentage

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	17.2	3.8	22.6	2.7	17.0
20–49	7.6	44.1	3.8	0.4	7.4
50–99	8.2	5.3	6.5	3.4	7.8
100–249	7.9	39.9	3.1	10.0	7.2
250–499	2.6	0.0	1.6	2.6	2.3
500 and over	2.5	0.0	0.2	1.0	1.9
Total	3.0	3.7	0.7	1.3	2.6
Employment size					
Under 50	15.4	23.8	4.5	1.4	14.7
50–99	8.2	45.4	6.5	4.2	7.8
100–249	7.6	1.8	1.7	3.6	7.1
250–499	3.9	0.0	1.0	4.9	3.2
500–999	2.0	2.5	2.0	0.2	1.8
1,000 and over	3.1	0.0	0.4	0.9	2.4
Total	3.0	3.7	0.7	1.3	2.6
Northeast Census Region					
Value of shipments and receipts (million dollars)					
Under 20	9.4	98.6	29.9	50.5	9.3
20–49	34.1	X	16.1	29.7	33.8
50–99	23.1	X	35.6	19.7	22.4
100–249	10.4	X	0.4	5.9	6.7
250–499	10.9	X	13.6	5.2	9.6
500 and over	6.8	X	4.4	0.1	6.1
Total	6.7	98.6	2.4	3.3	5.6
Employment size					
Under 50	8.6	98.6	32.4	53.0	8.5
50–99	30.5	X	17.8	37.4	29.8
100–249	10.6	X	7.6	14.0	10.2
250–499	8.5	X	1.9	2.9	5.6
500–999	11.1	X	12.9	2.2	9.4
1,000 and over	13.0	X	6.2	0.3	11.0
Total	6.7	98.6	2.4	3.3	5.6
Midwest Census Region					
Value of shipments and receipts (million dollars)					
Under 20	11.0	37.6	55.4	51.7	11.0
20–49	10.7	97.9	15.6	1.5	10.6
50–99	9.4	18.3	11.5	0.0	8.8
100–249	18.8	39.9	29.8	72.9	18.4
250–499	4.5	X	6.1	0.3	4.3
500 and over	2.9	X	0.5	0.0	2.6
Total	5.3	75.3	4.4	17.3	5.0
Employment size					
Under 50	8.3	18.1	7.5	24.8	7.7
50–99	14.4	98.8	34.6	0.0	14.2
100–249	19.5	76.0	2.2	0.3	19.5
250–499	5.0	X	6.9	48.9	4.7
500–999	5.1	46.6	17.9	3.2	5.3
1,000 and over	5.8	X	1.1	0.6	5.2
Total	5.3	75.3	4.4	17.3	5.0
South Census Region					
Value of shipments and receipts (million dollars)					
Under 20	35.5	X	22.0	1.0	35.3
20–49	8.7	39.4	3.9	0.1	8.4

50-99	12.9	0.0	3.9	4.0	12.3
100-249	4.7	X	2.4	4.1	4.4
250-499	3.4	0.0	0.6	10.3	2.5
500 and over	4.1	0.0	0.1	1.1	2.9
Total	5.1	2.5	0.3	1.1	4.2

Employment size

Under 50	32.5	0.0	4.2	0.9	31.7
50-99	9.0	40.9	1.6	5.9	8.2
100-249	8.2	96.1	0.5	0.1	7.3
250-499	7.6	0.0	1.0	6.9	6.1
500-999	1.9	0.0	0.2	0.3	1.5
1,000 and over	4.5	0.0	0.1	1.0	2.9
Total	5.1	2.5	0.3	1.1	4.2

West Census Region

Value of shipments and receipts

(million dollars)

Under 20	11.4	0.1	26.3	1.0	11.1
20-49	12.1	X	42.7	42.3	12.0
50-99	25.2	0.0	26.3	7.5	24.2
100-249	6.8	X	9.5	9.8	6.4
250-499	8.9	X	2.2	0.0	9.0
500 and over	3.0	0.0	0.9	0.1	2.3
Total	5.1	0.1	2.4	1.9	4.6

Employment size

Under 50	9.3	8.2	22.9	2.0	9.1
50-99	11.9	72.3	31.2	18.0	11.8
100-249	15.3	0.0	8.4	8.0	14.2
250-499	5.6	X	2.7	0.5	5.0
500-999	8.2	X	5.2	0.0	7.5
1,000 and over	3.7	0.0	1.6	1.4	3.0
Total	5.1	0.1	2.4	1.9	4.6

Data source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, *2022 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2022 Economic Census, Manufacturing – Industry Series*

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

^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 establishments 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 (RSE) is greater than 50%

NA=Not available

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

The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).