

Released: December 2025

Next MECS will be fielded in 2027

**Table 8.12 Number of establishments by purchase of electricity produced from renewable sources, 2022**

Level: National data

Row: NAICS codes

Column: Purchase of electricity produced from renewable sources

Unit: Establishment counts

NAICS code <sup>a</sup>	Subsector and industry	Did not purchase electricity produced from renewable sources	Purchased electricity produced from renewable sources <sup>b</sup>	Don't know
Total United States				
311	Food	10,407	960	7,012
3112	Grain and Oilseed Milling	416	53	192
311221	Wet Corn Milling and Starch Manufacturing	29	6	20
31131	Sugar Manufacturing	46	D	D
3114	Fruit and Vegetable Preserving and Specialty Food	761	53	296
3115	Dairy Product Manufacturing	579	122	385
3116	Animal Slaughtering and Processing	1,083	107	832
312	Beverage and Tobacco Products	3,154	588	2,248
3121	Beverages	3,104	580	2,223
3122	Tobacco	50	9	25
313	Textile Mills	526	36	534
314	Textile Product Mills	2,869	241	528
315	Apparel	1,907	56	1,273
316	Leather and Allied Products	343	22	271
321	Wood Products	6,365	332	3,260
32113	Sawmills	1,318	21	636
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	618	122	432
32129	Reconstituted Wood Products	85	7	27
3219	Other Wood Products	4,311	182	2,038
322	Paper	1,910	262	885
322110	Pulp Mills	25	3	5
322120	Paper Mills	73	28	37
322130	Paperboard Mills	81	17	66
323	Printing and Related Support	8,940	358	3,091
324	Petroleum and Coal Products	896	107	811
324110	Petroleum Refineries	68	27	36
324121	Asphalt Paving Mixture and Block	569	51	656
324122	Asphalt Shingle and Coating Materials	110	D	D
324191	Petroleum Lubricating Oil and Grease Manufacturing	121	24	70
324199	All Other Petroleum and Coal Products Manufacturing	28	D	D
325	Chemicals	4,703	723	4,618
325110	Petrochemicals	44	6	10
325120	Industrial Gases	169	17	426
325180	Other Basic Inorganic Chemical Manufacturing	342	40	205
325193	Ethyl Alcohol	111	14	82
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	20	3	39

325199	All Other Basic Organic Chemical Manufacturing	377	48	164
325211	Plastics Materials and Resins	495	137	405
325212	Synthetic Rubber	58	7	33
325220	Artificial and Synthetic Fibers and Filaments	53	5	30
325311	Nitrogenous Fertilizers	105	11	45
325312	Phosphatic Fertilizers	50	7	21
3254	Pharmaceuticals and Medicines	759	191	521
325412	Pharmaceutical Preparation	405	52	229
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	28	11	30
326	Plastics and Rubber Products	4,314	294	3,882
327	Nonmetallic Mineral Products	7,670	219	4,403
327120	Clay Building Material and Refractories	236	18	110
327211	Flat Glass	75	4	14
327212	Other Pressed and Blown Glass and Glassware	80	24	52
327213	Glass Containers	38	D	D
327215	Glass Products from Purchased Glass	413	41	146
327310	Cements	87	11	61
327410	Lime	37	D	D
327420	Gypsum	85	D	D
327993	Mineral Wool	58	8	120
331	Primary Metals	1,521	193	965
331110	Iron and Steel Mills and Ferroalloys	83	27	55
3312	Steel Products from Purchased Steel	290	36	237
3313	Alumina and Aluminum Production and Processing	163	22	168
331314	Secondary Smelting and Alloying of Aluminum	52	D	D
331315	Aluminum Sheet, Plate and Foils	23	7	37
331318	Other Aluminum Rolling, Drawing and Extruding	76	12	94
3314	Nonferrous Metal (except Aluminum) Production and Processing	295	59	165
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	43	8	23
3315	Foundries	690	49	339
331511	Iron Foundries	179	15	65
331523	Nonferrous Metal Die-Casting Foundries	105	9	103
331524	Aluminum Foundries, except Die-Casting	149	5	93
332	Fabricated Metal Products	23,843	969	13,441
333	Machinery	9,455	866	3,740
334	Computer and Electronic Products	3,158	563	2,905
334413	Semiconductors and Related Devices	140	37	198
335	Electrical Equipment, Appliances, and Components	1,699	365	1,237
336	Transportation Equipment	4,222	327	3,051
336110	Automobile and Light Duty Motor Vehicle Manufacturing	45	22	143
3364	Aerospace Product and Parts	666	167	394
336411	Aircraft	137	118	31
337	Furniture and Related Products	5,336	222	2,965
339	Miscellaneous	7,706	260	5,089
	Total	110,943	7,964	66,208

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2022 Manufacturing Energy Consumption Survey

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

<sup>a</sup> The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

<sup>b</sup> The *purchased electricity produced from renewable sources* column includes those establishments which reported purchasing electricity produced from renewable sources and purchasing electricity with renewable energy credits, plus those establishments where purchases of electricity produced from renewable sources were not ascertained.

\* Estimate less than 0.5

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D=Withheld to avoid disclosing data for individual establishments

Q=Withheld because relative standard error (RSE) is greater than 50%

NA=Not available

-- Estimation is not applicable

*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).*

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**RSE Table 8.12 Relative standard errors for Table 8.12**

Unit: Percentage

NAICS code <sup>a</sup>	Subsector and industry	Did not purchase electricity produced from renewable sources	Purchased electricity produced from renewable sources <sup>b</sup>	Don't know
Total United States				
311	Food	0.0	0.0	0.0
3112	Grain and Oilseed Milling	0.0	0.0	0.0
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	0.0
31131	Sugar Manufacturing	0.0	D	D
3114	Fruit and Vegetable Preserving and Specialty Food	0.0	0.0	0.0
3115	Dairy Product Manufacturing	0.0	0.0	0.0
3116	Animal Slaughtering and Processing	0.0	0.0	0.0
312	Beverage and Tobacco Products	0.0	0.0	0.0
3121	Beverages	0.0	0.0	0.0
3122	Tobacco	0.0	0.0	0.0
313	Textile Mills	0.0	0.0	0.0
314	Textile Product Mills	0.0	0.0	0.0
315	Apparel	0.0	0.0	0.0
316	Leather and Allied Products	0.0	0.0	0.0
321	Wood Products	0.0	0.0	0.0
32113	Sawmills	0.0	0.0	0.0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	0.0	0.0	0.0
321219	Reconstituted Wood Products	0.0	0.0	0.0
3219	Other Wood Products	0.0	0.0	0.0
322	Paper	0.0	0.0	0.0
322110	Pulp Mills	0.0	0.0	0.0
322120	Paper Mills	0.0	0.0	0.0
322130	Paperboard Mills	0.0	0.0	0.0
323	Printing and Related Support	0.0	0.0	0.0
324	Petroleum and Coal Products	0.0	0.0	0.0
324110	Petroleum Refineries	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	0.0	0.0	0.0
324122	Asphalt Shingle and Coating Materials	0.0	D	D
324191	Petroleum Lubricating Oil and Grease Manufacturing	0.0	0.0	0.0
324199	All Other Petroleum and Coal Products Manufacturing	0.0	D	D
325	Chemicals	0.0	0.0	0.0
325110	Petrochemicals	0.0	0.0	0.0
325120	Industrial Gases	0.0	0.0	0.0
325180	Other Basic Inorganic Chemical Manufacturing	0.0	0.0	0.0
325193	Ethyl Alcohol	0.0	0.0	0.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0
325199	All Other Basic Organic Chemical Manufacturing	0.0	0.0	0.0
325211	Plastics Materials and Resins	0.0	0.0	0.0
325212	Synthetic Rubber	0.0	0.0	0.0

325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	0.0
325312	Phosphatic Fertilizers	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	0.0	0.0	0.0
325412	Pharmaceutical Preparation	0.0	0.0	0.0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0
326	Plastics and Rubber Products	0.0	0.0	0.0
327	Nonmetallic Mineral Products	0.0	0.0	0.0
327120	Clay Building Material and Refractories	0.0	0.0	0.0
327211	Flat Glass	0.0	0.0	0.0
327212	Other Pressed and Blown Glass and Glassware	0.0	0.0	0.0
327213	Glass Containers	0.0	D	D
327215	Glass Products from Purchased Glass	0.0	0.0	0.0
327310	Cements	0.0	0.0	0.0
327410	Lime	0.0	D	D
327420	Gypsum	0.0	D	D
327993	Mineral Wool	0.0	0.0	0.0
331	Primary Metals	0.0	0.0	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	0.0	0.0	0.0
3313	Alumina and Aluminum Production and Processing	0.0	0.0	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	D	D
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	0.0	0.0
3314	Nonferrous Metal (except Aluminum) Production and Processing	0.0	0.0	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	0.0
3315	Foundries	0.0	0.0	0.0
331511	Iron Foundries	0.0	0.0	0.0
331523	Nonferrous Metal Die-Casting Foundries	0.0	0.0	0.0
331524	Aluminum Foundries, except Die-Casting	0.0	0.0	0.0
332	Fabricated Metal Products	0.0	0.0	0.0
333	Machinery	0.0	0.0	0.0
334	Computer and Electronic Products	0.0	0.0	0.0
334413	Semiconductors and Related Devices	0.0	0.0	0.0
335	Electrical Equipment, Appliances, and Components	0.0	0.0	0.0
336	Transportation Equipment	0.0	0.0	0.0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	0.0	0.0
3364	Aerospace Product and Parts	0.0	0.0	0.0
336411	Aircraft	0.0	0.0	0.0
337	Furniture and Related Products	0.0	0.0	0.0
339	Miscellaneous	0.0	0.0	0.0
	Total	0.0	0.0	0.0

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2022 *Manufacturing Energy Consumption Survey*

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

<sup>a</sup> The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

<sup>b</sup> The *purchased electricity produced from renewable sources* column includes those establishments which reported purchasing electricity produced from renewable sources and purchasing electricity with renewable energy credits, plus those establishments where purchases of electricity produced from renewable sources were not ascertained.

\* 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

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-- Estimation is not applicable

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).*