

Released: December 2025

Next MECS will be fielded in 2027

Table 8.5 Number of establishments by management decision-making process, 2022

Level: National data

Row: NAICS codes

Column: Participation of management decision-making process

Unit: Establishment counts

NAICS code ^a	Subsector and industry	Establishments ^b	Management decision-making process			Don't know
			Energy consumption becoming higher priority for establishment	Management sometimes supports projects to improve energy consumption	Energy consumption are rarely a part of management decision-making	
Total United States						
311	Food	18,379	5,639	5,399	6,157	1,184
3112	Grain and Oilseed Milling	661	477	103	53	28
311221	Wet Corn Milling and Starch Manufacturing	55	47	3	5	0
31131	Sugar Manufacturing	64	48	13	4	0
3114	Fruit and Vegetable Preserving and Specialty Food	1,109	504	425	105	75
3115	Dairy Product Manufacturing	1,087	557	420	64	46
3116	Animal Slaughtering and Processing	2,022	711	597	455	259
312	Beverage and Tobacco Products	5,990	1,620	2,365	1,579	426
3121	Beverages	5,906	1,584	2,349	1,551	422
3122	Tobacco	84	37	16	28	3
313	Textile Mills	1,096	320	361	337	78
314	Textile Product Mills	3,638	197	1,379	1,786	Q
315	Apparel	3,236	Q	Q	2,060	Q
316	Leather and Allied Products	636	181	151	277	Q
321	Wood Products	9,957	2,288	3,035	3,322	1,312
321113	Sawmills	1,976	460	547	754	215
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1,173	242	431	365	135
321219	Reconstituted Wood Products	119	43	61	Q	6
3219	Other Wood Products	6,531	1,526	1,962	2,121	922
322	Paper	3,057	971	1,373	475	238
322110	Pulp Mills	33	25	D	3	D
322120	Paper Mills	138	89	19	27	3
322130	Paperboard Mills	164	116	29	5	13
323	Printing and Related Support	12,389	1,879	4,626	5,133	752
324	Petroleum and Coal Products	1,814	921	546	184	163
324110	Petroleum Refineries	131	105	22	D	D
324121	Asphalt Paving Mixture and Block	1,276	643	339	144	150
324122	Asphalt Shingle and Coating Materials	142	52	67	D	D
324191	Petroleum Lubricating Oil and Grease Manufacturing	215	102	92	15	7
324199	All Other Petroleum and Coal Products Manufacturing	50	20	26	D	D
325	Chemicals	10,044	3,484	3,654	2,267	639
325110	Petrochemicals	60	30	25	D	D
325120	Industrial Gases	612	346	Q	Q	142
325180	Other Basic Inorganic Chemical Manufacturing	587	250	300	9	28
325193	Ethyl Alcohol	207	144	56	0	7
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	62	40	18	4	0
325199	All Other Basic Organic Chemical Manufacturing	590	345	194	Q	15
325211	Plastics Materials and Resins	1,037	482	395	135	25
325212	Synthetic Rubber	98	26	29	Q	3
325220	Artificial and Synthetic Fibers and Filaments	88	46	29	D	D
325311	Nitrogenous Fertilizers	161	63	39	44	14
325312	Phosphatic Fertilizers	79	15	29	24	11
3254	Pharmaceuticals and Medicines	1,471	693	447	229	102
325412	Pharmaceutical Preparation	687	336	274	34	43
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	69	19	23	21	7
326	Plastics and Rubber Products	8,490	2,477	3,344	2,238	432
327	Nonmetallic Mineral Products	12,292	3,047	5,011	3,294	940
327120	Clay Building Material and Refractories	364	142	129	82	11
327211	Flat Glass	93	52	29	8	4
327212	Other Pressed and Blown Glass and Glassware	156	34	Q	D	D
327213	Glass Containers	54	33	14	D	D
327215	Glass Products from Purchased Glass	599	188	213	175	23
327310	Cements	159	83	18	Q	Q

327410	Lime	95	45	15	4	31
327420	Gypsum	126	78	9	Q	14
327993	Mineral Wool	185	55	Q	Q	7
331	Primary Metals	2,679	1,078	1,120	313	169
331110	Iron and Steel Mills and Ferroalloys	165	116	35	5	8
3312	Steel Products from Purchased Steel	564	205	256	46	56
3313	Alumina and Aluminum Production and Processing	353	177	139	21	16
331314	Secondary Smelting and Alloying of Aluminum	90	56	29	D	D
331315	Aluminum Sheet, Plate and Foils	67	D	10	D	D
331318	Other Aluminum Rolling, Drawing and Extruding	182	54	100	16	11
3314	Nonferrous Metal (except Aluminum) Production and Processing	519	215	169	119	17
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	74	27	17	D	D
3315	Foundries	1,078	366	521	120	71
331511	Iron Foundries	259	127	109	17	5
331523	Nonferrous Metal Die-Casting Foundries	217	90	83	31	13
331524	Aluminum Foundries, except Die-Casting	247	57	121	43	26
332	Fabricated Metal Products	38,253	5,906	14,409	15,952	1,987
333	Machinery	14,061	3,303	5,886	3,795	1,076
334	Computer and Electronic Products	6,625	1,282	2,636	2,331	377
334413	Semiconductors and Related Devices	375	274	41	Q	25
335	Electrical Equipment, Appliances, and Components	3,301	1,116	666	1,046	472
336	Transportation Equipment	7,600	2,371	2,636	2,301	291
336110	Automobile and Light Duty Motor Vehicle Manufacturing	210	109	17	Q	4
3364	Aerospace Product and Parts	1,227	443	442	304	Q
336411	Aircraft	286	38	Q	Q	0
337	Furniture and Related Products	8,523	1,043	2,818	3,891	771
339	Miscellaneous	13,055	2,210	3,830	5,988	1,026
	Total	185,115	41,735	65,571	64,725	13,083

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.

^a The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

^b The *establishments* column includes those units which reported any of the three listed management decision-making processes in use anytime in 2022, plus those units where management decision-making processes 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

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 8.5 Relative standard errors for Table 8.5

Unit: Percentage

NAICS code ^a	Subsector and industry	Establishments ^b	Management decision-making process			
			Energy consumption becoming higher priority for establishment	Management sometimes supports projects to improve energy consumption	Energy consumption are rarely a part of management decision-making	Don't know
Total United States						
311	Food	0.0	9.1	11.5	12.0	22.3
3112	Grain and Oilseed Milling	0.0	10.1	14.3	49.6	42.9
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	0.0	0.0	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	0.0	17.4	25.6	36.2	50.0
3115	Dairy Product Manufacturing	0.0	17.6	19.9	36.1	20.2
3116	Animal Slaughtering and Processing	0.0	12.1	14.4	22.3	26.4
312	Beverage and Tobacco Products	0.0	12.5	11.6	15.2	27.0
3121	Beverages	0.0	12.8	11.7	15.5	27.2
3122	Tobacco	0.0	0.0	0.0	0.0	0.0
313	Textile Mills	0.0	17.8	25.1	45.1	45.8
314	Textile Product Mills	0.0	49.6	36.1	34.0	88.2
315	Apparel	0.0	54.2	54.2	25.4	50.4
316	Leather and Allied Products	0.0	37.4	36.3	44.7	65.0
321	Wood Products	0.0	13.4	10.4	11.9	20.6
321113	Sawmills	0.0	13.8	10.9	16.6	22.7
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	0.0	16.7	17.4	21.2	45.2
321219	Reconstituted Wood Products	0.0	7.0	37.0	60.4	0.0
3219	Other Wood Products	0.0	19.4	15.3	17.4	28.0
322	Paper	0.0	17.4	19.0	33.8	38.9
322110	Pulp Mills	0.0	0.0	D	0.0	D
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	0.0	20.5	13.8	13.3	36.6
324	Petroleum and Coal Products	0.0	4.1	6.9	7.5	11.2
324110	Petroleum Refineries	0.0	0.0	0.0	D	D
324121	Asphalt Paving Mixture and Block	0.0	5.6	8.5	9.3	12.2
324122	Asphalt Shingle and Coating Materials	0.0	3.4	27.8	D	D
324191	Petroleum Lubricating Oil and Grease Manufacturing	0.0	11.9	16.0	13.9	24.2
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	0.0	D	D
325	Chemicals	0.0	9.9	11.3	15.6	22.3
325110	Petrochemicals	0.0	0.0	0.0	D	D
325120	Industrial Gases	0.0	28.3	93.9	56.6	34.6
325180	Other Basic Inorganic Chemical Manufacturing	0.0	21.7	41.3	32.9	40.4
325193	Ethyl Alcohol	0.0	5.5	10.1	X	21.3
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	0.0	X
325199	All Other Basic Organic Chemical Manufacturing	0.0	20.0	23.7	64.1	20.9
325211	Plastics Materials and Resins	0.0	25.9	29.0	41.0	12.4
325212	Synthetic Rubber	0.0	0.0	0.0	72.4	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	20.2	D	D
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	0.0	17.1	19.3	27.6	32.4
325412	Pharmaceutical Preparation	0.0	23.1	24.0	24.6	20.4
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	0.0	0.0
326	Plastics and Rubber Products	0.0	13.3	12.7	16.0	35.6
327	Nonmetallic Mineral Products	0.0	15.2	12.3	16.4	31.2
327120	Clay Building Material and Refractories	0.0	22.0	15.9	39.0	19.7
327211	Flat Glass	0.0	3.6	9.7	22.8	0.0
327212	Other Pressed and Blown Glass and Glassware	0.0	16.9	51.8	D	D
327213	Glass Containers	0.0	0.0	3.8	D	D
327215	Glass Products from Purchased Glass	0.0	21.2	17.0	27.5	14.7
327310	Cements	0.0	14.4	4.8	65.8	60.4
327410	Lime	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	0.0	5.6	0.0	75.9	46.7
327993	Mineral Wool	0.0	34.6	60.1	50.4	0.0
331	Primary Metals	0.0	4.5	5.7	13.8	11.3

331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	0.0	10.6	13.7	20.4	27.0
3313	Alumina and Aluminum Production and Processing	0.0	9.0	7.6	5.3	11.2
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	D	D
331315	Aluminum Sheet, Plate and Foils	0.0	D	0.0	D	D
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	4.8	10.5	6.9	16.2
3314	Nonferrous Metal (except Aluminum) Production and Processing	0.0	14.4	10.9	31.9	19.6
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	8.8	D	D
3315	Foundries	0.0	7.4	9.3	15.3	15.3
331511	Iron Foundries	0.0	14.3	16.4	44.8	0.0
331523	Nonferrous Metal Die-Casting Foundries	0.0	12.5	6.5	16.3	13.9
331524	Aluminum Foundries, except Die-Casting	0.0	23.7	11.9	26.0	27.2
332	Fabricated Metal Products	0.0	14.3	8.9	8.4	26.5
333	Machinery	0.0	14.0	10.8	13.8	26.1
334	Computer and Electronic Products	0.0	19.0	15.5	17.2	43.1
334413	Semiconductors and Related Devices	0.0	20.7	33.9	93.8	5.0
335	Electrical Equipment, Appliances, and Components	0.0	21.8	31.5	28.6	42.1
336	Transportation Equipment	0.0	14.8	15.7	18.2	48.7
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	45.4	0.0	57.2	0.0
3364	Aerospace Product and Parts	0.0	11.6	27.0	31.4	71.4
336411	Aircraft	0.0	11.7	66.1	72.8	X
337	Furniture and Related Products	0.0	26.4	16.0	13.6	31.4
339	Miscellaneous	0.0	18.4	14.2	11.5	31.4
	Total	0.0	3.8	3.4	3.7	8.0

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.

^a The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

^b The *establishments* column includes those units which reported any of the three listed management decision-making processes in use anytime in 2022, plus those units where management decision-making processes 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

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

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