

Released: August 2021

Next MECS will be fielded in 2023.

Table 8.5 Number of Establishments by Management Decision-Making Process, 2018;

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			
			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	15,842	4,060	6,162	4,213	1,408
3112	Grain and Oilseed Milling	611	256	250	36	Q
311221	Wet Corn Milling	52	39	13	0	0
31131	Sugar Manufacturing	70	35	19	9	8
3114	Fruit and Vegetable Preserving and Specialty Food	1,047	411	345	218	Q
3115	Dairy Product	1,036	430	542	26	39
3116	Animal Slaughtering and Processing	1,842	633	736	313	160
312	Beverage and Tobacco Products	3,938	1,499	1,320	972	146
3121	Beverages	3,853	1,473	1,292	945	142
3122	Tobacco	85	25	28	28	4
313	Textile Mills	1,360	430	484	423	Q
314	Textile Product Mills	4,116	552	1,368	1,820	Q
315	Apparel	3,856	1,059	Q	1,912	Q
316	Leather and Allied Products	655	89	251	238	Q
321	Wood Products	9,435	1,753	3,512	3,204	966
321113	Sawmills	1,787	370	698	604	115
3212	Veneer, Plywood, and Engineered Woods	1,083	266	455	259	104
321219	Reconstituted Wood Products	158	51	61	D	D
3219	Other Wood Products	6,286	1,073	2,201	2,323	689
322	Paper	3,009	1,192	1,347	318	152
322110	Pulp Mills	28	22	6	0	0
322121	Paper Mills, except Newsprint	156	119	33	D	D
322122	Newsprint Mills	11	D	0	D	0
322130	Paperboard Mills	143	107	29	4	3
323	Printing and Related Support	12,614	2,441	4,348	5,153	672
324	Petroleum and Coal Products	1,883	889	699	176	120
324110	Petroleum Refineries	136	81	46	D	D
324121	Asphalt Paving Mixture and Block	1,289	654	478	86	72
324122	Asphalt Shingle and Coating Materials	168	69	51	45	4
324191	Petroleum Lubricating Oil and Grease Products	211	57	88	32	Q
324199	Other Petroleum and Coal Products	79	28	36	D	D
325	Chemicals	8,902	2,833	3,887	1,633	548
325110	Petrochemicals	66	40	20	D	D
325120	Industrial Gases	525	238	138	3	146
325180	Other Basic Inorganic Chemicals	501	213	195	70	22
325193	Ethyl Alcohol	207	161	39	Q	4
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	61	D	36	D	D
325199	Other Basic Organic Chemicals	524	295	166	22	41
325211	Plastics Materials and Resins	813	322	326	91	73
325212	Synthetic Rubber	87	37	30	13	7
325220	Artificial and Synthetic Fibers and Filaments	99	51	32	13	3
325311	Nitrogenous Fertilizers	148	24	97	D	D
325312	Phosphatic Fertilizers	55	13	22	14	6
3254	Pharmaceuticals and Medicines	1,327	350	559	329	90
325412	Pharmaceutical Preparation	717	163	294	214	Q
325992	Photographic Film, Paper, Plate, and Chemicals	108	32	60	12	4
326	Plastics and Rubber Products	8,317	2,514	4,333	1,331	Q
327	Nonmetallic Mineral Products	12,035	2,789	4,841	3,133	1,272
327120	Clay Building Material and Refractories	415	126	172	94	23
327211	Flat Glass	60	24	25	D	D

327212	Other Pressed and Blown Glass and Glassware	164	52	50	D	D
327213	Glass Containers	57	40	11	0	6
327215	Glass Products from Purchased Glass	686	195	234	201	Q
327310	Cements	187	77	67	Q	15
327410	Lime	86	41	16	0	29
327420	Gypsum	148	80	31	34	3
327993	Mineral Wool	191	93	30	56	Q
331	Primary Metals	3,226	1,100	1,306	615	205
331110	Iron and Steel Mills and Ferroalloys	390	205	125	49	11
3312	Steel Products from Purchased Steel	498	105	275	71	Q
3313	Alumina and Aluminum	399	187	152	46	14
331314	Secondary Smelting and Alloying of Aluminum	109	64	30	D	D
331315	Aluminum Sheet, Plate and Foils	65	39	20	D	D
331318	Other Aluminum Rolling, Drawing and Extruding	191	76	82	26	8
3314	Nonferrous Metals, except Aluminum	651	181	262	159	49
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	107	33	31	38	5
3315	Foundries	1,288	422	492	290	84
331511	Iron Foundries	373	133	83	148	Q
331523	Nonferrous Metal Die-Casting Foundries	257	101	120	27	9
331524	Aluminum Foundries, except Die-Casting	277	62	126	47	Q
332	Fabricated Metal Products	37,949	5,249	15,033	14,627	3,040
333	Machinery	14,919	3,187	6,985	4,338	410
334	Computer and Electronic Products	6,646	1,678	2,583	2,137	Q
334413	Semiconductors and Related Devices	344	104	161	57	Q
335	Electrical Equip., Appliances, and Components	3,295	848	1,405	944	Q
336	Transportation Equipment	7,103	1,891	2,780	2,083	349
336111	Automobiles	71	38	21	9	3
336112	Light Trucks and Utility Vehicles	69	30	15	20	5
3364	Aerospace Product and Parts	1,199	387	381	419	12
336411	Aircraft	347	107	Q	182	5
337	Furniture and Related Products	8,347	947	2,505	4,390	506
339	Miscellaneous	13,679	2,614	4,616	5,523	926
	Total	181,126	39,613	70,196	59,183	12,134

(a) The Bureau of the Census classifies establishments using the 2017 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 2018, 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 is greater than 50 percent.

NA=Not available.

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

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2018 Manufacturing Energy Consumption Survey.

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).

Released: August 2021

Next MECS will be fielded in 2023.

RSE Table 8.5 Relative Standard Errors for Table 8.5;

Unit: Percents.

		Management Decision-Making Process				
NAICS Code(a)	Subsector and Industry	Establishments(b)	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	3.1	4.1	8.6	15.9
3112	Grain and Oilseed Milling	0.0	3.9	8.0	24.8	50.6
311221	Wet Corn Milling	0.0	0.0	0.0	X	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	0.0	12.6	16.0	26.0	51.3
3115	Dairy Product	0.0	10.3	8.5	42.9	46.4
3116	Animal Slaughtering and Processing	0.0	10.6	10.7	22.3	32.8
312	Beverage and Tobacco Products	0.0	5.4	5.5	6.2	17.8
3121	Beverages	0.0	9.6	10.9	14.3	41.0
3122	Tobacco	0.0	0.0	0.0	0.0	0.0
313	Textile Mills	0.0	15.2	15.7	18.5	51.7
314	Textile Product Mills	0.0	46.6	27.0	22.1	66.9
315	Apparel	0.0	34.8	51.2	21.6	61.4
316	Leather and Allied Products	0.0	39.5	22.9	24.6	55.0
321	Wood Products	0.0	9.1	7.0	13.2	20.1
321113	Sawmills	0.0	11.2	8.5	11.3	26.2
3212	Veneer, Plywood, and Engineered Woods	0.0	14.6	13.4	29.9	38.5
321219	Reconstituted Wood Products	0.0	20.0	23.0	D	D
3219	Other Wood Products	0.0	19.5	12.2	12.3	28.0
322	Paper	0.0	1.7	5.6	16.1	36.6
322110	Pulp Mills	0.0	0.0	0.0	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	D	D
322122	Newsprint Mills	0.0	D	X	D	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	0.0	15.4	10.5	9.3	32.8
324	Petroleum and Coal Products	0.0	3.5	5.1	15.5	27.4
324110	Petroleum Refineries	0.0	0.0	0.0	D	D
324121	Asphalt Paving Mixture and Block	0.0	5.7	8.1	22.5	26.2
324122	Asphalt Shingle and Coating Materials	0.0	13.1	13.0	34.4	17.3
324191	Petroleum Lubricating Oil and Grease Products	0.0	16.0	20.1	24.0	55.8
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	D	D
325	Chemicals	0.0	3.1	4.1	8.3	9.1
325110	Petrochemicals	0.0	0.0	0.0	D	D
325120	Industrial Gases	0.0	15.6	31.2	23.7	16.2
325180	Other Basic Inorganic Chemicals	0.0	14.7	17.8	41.5	22.3
325193	Ethyl Alcohol	0.0	2.1	6.6	69.8	4.1
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	D	0.0	D	D
325199	Other Basic Organic Chemicals	0.0	9.6	15.8	28.2	31.0
325211	Plastics Materials and Resins	0.0	13.2	13.2	33.8	43.0
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	0.0
325311	Nitrogenous Fertilizers	0.0	46.6	23.5	D	D
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0
3254	Pharmaceuticals and Medicines	0.0	13.9	12.1	19.4	43.1
325412	Pharmaceutical Preparation	0.0	19.2	16.4	22.8	59.1
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	29.3	17.1	19.5	18.8
326	Plastics and Rubber Products	0.0	12.5	8.1	20.1	56.4
327	Nonmetallic Mineral Products	0.0	4.8	6.1	13.1	8.0
327120	Clay Building Material and Refractories	0.0	11.5	12.8	27.4	31.8
327211	Flat Glass	0.0	0.0	0.0	D	D
327212	Other Pressed and Blown Glass and Glassware	0.0	25.2	32.8	D	D
327213	Glass Containers	0.0	0.0	0.0	X	0.0
327215	Glass Products from Purchased Glass	0.0	18.4	15.6	21.8	59.8
327310	Cements	0.0	20.1	23.0	71.2	15.1

327410	Lime	0.0	0.0	0.0	X	0.0
327420	Gypsum	0.0	18.4	42.8	48.7	15.0
327993	Mineral Wool	0.0	22.0	23.8	47.8	65.4
331	Primary Metals	0.0	3.4	3.5	10.4	20.5
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	15.3	11.5	41.1	57.1
3313	Alumina and Aluminum	0.0	3.7	4.0	14.9	3.8
331314	Secondary Smelting and Alloying of Aluminum	0.0	9.5	13.7	D	D
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	D	D
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	9.9	12.1	43.6	12.8
3314	Nonferrous Metals, except Aluminum	0.0	13.6	12.4	25.2	48.9
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	18.5	22.2	35.9	18.0
3315	Foundries	0.0	8.0	6.9	16.4	40.3
331511	Iron Foundries	0.0	21.2	24.0	28.5	71.3
331523	Nonferrous Metal Die-Casting Foundries	0.0	11.9	10.1	42.7	39.6
331524	Aluminum Foundries, except Die-Casting	0.0	16.1	14.5	32.9	70.1
332	Fabricated Metal Products	0.0	14.9	7.6	7.8	20.9
333	Machinery	0.0	12.4	7.0	10.3	37.7
334	Computer and Electronic Products	0.0	14.9	12.1	17.9	57.8
334413	Semiconductors and Related Devices	0.0	23.5	19.4	45.0	85.1
335	Electrical Equip., Appliances, and Components	0.0	23.3	17.0	24.9	92.2
336	Transportation Equipment	0.0	5.0	7.7	8.5	12.0
336111	Automobiles	0.0	0.0	0.0	0.0	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	0.0	0.0
3364	Aerospace Product and Parts	0.0	13.1	18.4	14.7	23.0
336411	Aircraft	0.0	20.6	54.4	18.7	31.5
337	Furniture and Related Products	0.0	23.5	13.3	8.4	36.3
339	Miscellaneous	0.0	15.9	11.0	9.6	29.6
	Total	0.0	1.4	1.7	3.2	5.5

(a) The Bureau of the Census classifies establishments using the 2017 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 2018, 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 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.

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2018 Manufacturing Energy Consumption Survey.

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).