

Table 8.9 Number of establishments by designation of representative(s) responsible for energy management, 2022

Level: National data
Row: NAICS codes
Column: Participation and percentage of job responsibilities dedicated to energy management
Unit: Establishment counts

NAICS code ^a	Subsector and industry	Percentage of job responsibilities dedicated to energy management							
		No participation	Participation ^b	Don't know	Less than 25	25 to 49	50 to 74	75 or greater	Don't know
	Total United States								
311	Food	10,283	3,190	4,906	2,400	339	Q	126	Q
3112	Grain and Oilseed Milling	222	311	128	232	D	D	60	0
311221	Wet Corn Milling and Starch Manufacturing	12	40	3	24	3	0	13	0
31131	Sugar Manufacturing	40	17	7	D	D	0	D	0
3114	Fruit and Vegetable Preserving and Specialty Food	499	267	343	194	58	4	12	0
3115	Dairy Product Manufacturing	442	317	328	242	44	22	5	Q
3116	Animal Slaughtering and Processing	941	459	623	343	81	22	Q	0
312	Beverage and Tobacco Products	3,856	981	1,153	836	55	Q	Q	0
3121	Beverages	3,816	954	1,136	810	55	Q	Q	0
3122	Tobacco	41	26	17	26	0	0	0	0
313	Textile Mills	565	225	307	216	0	9	0	0
314	Textile Product Mills	2,534	Q	821	Q	3	0	0	0
315	Apparel	2,146	66	1,024	64	Q	0	0	0
316	Leather and Allied Products	336	Q	Q	Q	9	0	0	0
321	Wood Products	5,737	1,599	2,622	1,369	39	Q	95	0
321113	Sawmills	1,256	212	508	D	15	D	12	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	741	127	305	D	9	D	3	0
321219	Reconstituted Wood Products	62	35	22	D	0	D	0	0
3219	Other Wood Products	3,574	1,235	1,722	1,057	7	Q	Q	0
322	Paper	1,389	1,025	643	840	90	D	40	D
322110	Pulp Mills	5	21	6	13	4	D	D	0
322120	Paper Mills	36	86	15	36	31	8	11	0
322130	Paperboard Mills	31	94	38	47	21	D	D	D
323	Printing and Related Support	9,038	1,318	2,033	1,263	Q	Q	Q	0
324	Petroleum and Coal Products	712	474	628	283	70	49	60	Q
324110	Petroleum Refineries	16	105	9	37	24	D	D	D
324121	Asphalt Paving Mixture and Block	528	230	518	128	33	D	30	D
324122	Asphalt Shingle and Coating Materials	58	49	35	40	D	D	D	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	87	67	61	56	D	0	D	0
324199	All Other Petroleum and Coal Products Manufacturing	22	22	6	22	0	0	0	0
325	Chemicals	4,709	2,661	2,674	1,939	331	64	318	Q
325110	Petrochemicals	33	20	7	D	6	D	D	0
325120	Industrial Gases	Q	406	188	D	Q	15	177	D
325180	Other Basic Inorganic Chemical Manufacturing	387	108	92	90	10	D	D	0
325193	Ethyl Alcohol	72	64	71	44	9	0	11	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	19	32	12	32	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	255	261	74	235	15	4	7	0
325211	Plastics Materials and Resins	510	414	113	232	D	10	39	D
325212	Synthetic Rubber	Q	21	20	18	D	D	D	0
325220	Artificial and Synthetic Fibers and Filaments	37	41	11	37	4	0	0	0
325311	Nitrogenous Fertilizers	94	26	41	D	0	0	D	0
325312	Phosphatic Fertilizers	42	11	26	D	0	D	0	0
3254	Pharmaceuticals and Medicines	457	566	448	417	70	10	Q	0
325412	Pharmaceutical Preparation	216	315	156	222	23	6	Q	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	31	23	15	17	D	D	0	0

326	Plastics and Rubber Products	4,277	1,560	2,652	1,114	335	0	Q	0
327	Nonmetallic Mineral Products	6,972	1,452	3,868	1,152	68	0	Q	3
327120	Clay Building Material and Refractories	149	98	118	94	3	0	0	0
327211	Flat Glass	27	25	41	21	D	0	D	0
327212	Other Pressed and Blown Glass and Glassware	121	26	9	19	7	0	0	0
327213	Glass Containers	7	35	12	16	4	0	15	0
327215	Glass Products from Purchased Glass	268	133	198	112	21	0	0	0
327310	Cements	72	51	36	30	D	0	D	0
327410	Lime	19	12	63	D	D	0	0	0
327420	Gypsum	34	59	Q	D	D	0	40	3
327993	Mineral Wool	44	59	Q	54	5	0	0	0
331	Primary Metals	1,167	789	723	657	63	22	36	11
331110	Iron and Steel Mills and Ferroalloys	38	92	35	61	11	D	D	D
3312	Steel Products from Purchased Steel	182	145	237	130	7	3	5	0
3313	Alumina and Aluminum Production and Processing	129	138	86	114	17	D	D	D
331314	Secondary Smelting and Alloying of Aluminum	30	49	11	38	11	0	0	0
331315	Aluminum Sheet, Plate and Foils	D	D	D	19	6	0	D	0
331318	Other Aluminum Rolling, Drawing and Extruding	89	50	43	D	0	D	0	D
3314	Nonferrous Metal (except Aluminum) Production and Processing	256	155	108	140	5	D	D	D
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	41	23	11	D	D	0	0	0
3315	Foundries	562	260	257	212	24	8	13	Q
331511	Iron Foundries	126	84	49	74	D	0	D	0
331523	Nonferrous Metal Die-Casting Foundries	98	72	47	50	9	5	7	0
331524	Aluminum Foundries, except Die-Casting	142	30	76	26	D	0	D	0
332	Fabricated Metal Products	26,160	4,269	7,824	3,953	Q	Q	Q	0
333	Machinery	8,575	2,883	2,604	2,525	207	Q	Q	0
334	Computer and Electronic Products	3,174	1,716	1,735	1,206	242	Q	Q	0
334413	Semiconductors and Related Devices	32	137	206	122	D	D	0	0
335	Electrical Equipment, Appliances, and Components	1,755	737	808	583	D	0	D	0
336	Transportation Equipment	3,615	2,562	1,423	1,941	306	Q	Q	Q
336110	Automobile and Light Duty Motor Vehicle Manufacturing	Q	55	31	15	16	5	18	0
3364	Aerospace Product and Parts	588	443	196	337	69	10	20	Q
336411	Aircraft	D	38	D	22	7	D	D	0
337	Furniture and Related Products	6,113	809	1,601	644	Q	0	0	0
339	Miscellaneous	8,106	1,903	3,045	1,619	D	Q	D	0
	Total	111,218	30,577	43,320	24,947	2,794	D	1,423	D

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 *participation* column includes those units which reported any of the four listed percentages of job responsibilities dedicated to energy management at any time in 2022, plus those units where the percentage of job responsibilities dedicated to energy management was 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

-- 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).

RSE Table 8.9 Relative standard errors for Table 8.9

Unit: Percentage

NAICS code ^a	Subsector and industry	Percentage of job responsibilities dedicated to energy management							
		No participation	Participation ^b	Don't know	Less than 25	25 to 49	50 to 74	75 or greater	Don't know
Total United States									
311	Food	8.2	10.9	12.1	12.8	17.3	50.2	25.9	79.5
3112	Grain and Oilseed Milling	19.6	8.6	23.5	8.2	D	D	31.0	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	0.0	0.0	0.0	X	0.0	X
31131	Sugar Manufacturing	0.0	0.0	0.0	D	D	X	D	X
3114	Fruit and Vegetable Preserving and Specialty Food	22.2	10.8	27.8	14.0	20.2	0.0	18.7	X
3115	Dairy Product Manufacturing	22.0	10.2	25.3	12.9	23.2	11.5	19.0	79.5
3116	Animal Slaughtering and Processing	12.6	13.5	16.0	17.7	10.9	31.5	90.4	X
312	Beverage and Tobacco Products	8.8	15.7	15.9	17.4	11.1	71.8	77.4	X
3121	Beverages	8.9	16.1	16.1	18.0	11.1	71.8	77.4	X
3122	Tobacco	0.0	0.0	0.0	0.0	X	X	X	X
313	Textile Mills	19.4	21.1	47.3	22.0	X	24.0	X	X
314	Textile Product Mills	26.9	85.8	45.6	86.7	0.0	X	X	X
315	Apparel	24.1	36.1	35.4	37.6	64.1	X	X	X
316	Leather and Allied Products	23.9	52.8	53.9	60.3	4.1	X	X	X
321	Wood Products	8.3	16.7	12.4	18.2	9.1	92.7	48.3	X
321113	Sawmills	10.9	11.2	13.6	D	16.9	D	47.8	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	13.0	29.1	23.1	D	0.0	D	20.7	X
321219	Reconstituted Wood Products	34.9	7.5	13.5	D	X	D	X	X
3219	Other Wood Products	12.6	21.3	17.9	23.2	28.2	97.0	57.0	X
322	Paper	17.1	22.1	23.3	26.9	26.7	D	6.1	D
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	D	D	X
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	D	D	D
323	Printing and Related Support	9.2	25.2	20.4	26.3	73.0	75.0	77.7	X
324	Petroleum and Coal Products	5.3	4.7	6.1	5.0	17.0	21.4	5.8	56.6
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	D	D	D
324121	Asphalt Paving Mixture and Block	6.0	8.4	6.7	8.0	32.3	D	11.4	D
324122	Asphalt Shingle and Coating Materials	27.6	3.6	28.5	4.2	D	D	D	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	12.9	16.7	19.9	17.4	D	X	D	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	0.0	0.0	X	X	X	X
325	Chemicals	9.6	10.4	14.0	12.3	39.8	16.4	20.0	64.1
325110	Petrochemicals	0.0	0.0	0.0	D	0.0	D	D	X
325120	Industrial Gases	90.6	30.4	28.2	D	93.6	5.8	17.5	D
325180	Other Basic Inorganic Chemical Manufacturing	33.4	16.6	41.5	19.8	6.3	D	D	X
325193	Ethyl Alcohol	10.0	11.2	4.8	12.5	45.3	X	30.6	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	0.0	X	X	X	X
325199	All Other Basic Organic Chemical Manufacturing	23.0	23.1	23.3	25.6	21.9	0.0	0.0	X
325211	Plastics Materials and Resins	26.0	28.2	16.7	21.9	D	40.2	32.2	D
325212	Synthetic Rubber	51.3	0.0	0.0	0.0	D	D	D	X
325220	Artificial and Synthetic Fibers and Filaments	15.9	0.0	0.0	0.0	0.0	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	D	X	X	D	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	D	X	D	X	X
3254	Pharmaceuticals and Medicines	18.9	17.5	22.3	19.9	18.6	0.0	79.0	X

325412	Pharmaceutical Preparation	30.1	25.9	13.4	28.2	10.0	0.0	83.6	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	0.0	D	D	X	X
326	Plastics and Rubber Products	10.7	17.7	13.9	21.6	37.7	X	70.9	X
327	Nonmetallic Mineral Products	10.6	18.9	14.1	21.5	14.0	X	52.6	0.0
327120	Clay Building Material and Refractories	22.4	10.8	29.0	11.2	0.0	X	X	X
327211	Flat Glass	0.0	11.2	6.5	13.0	D	X	D	X
327212	Other Pressed and Blown Glass and Glassware	30.9	11.7	20.7	15.9	0.0	X	X	X
327213	Glass Containers	0.0	0.0	4.7	0.0	0.0	X	0.0	X
327215	Glass Products from Purchased Glass	17.6	28.6	19.7	33.0	44.7	X	X	X
327310	Cements	38.8	7.1	31.5	11.9	D	X	D	X
327410	Lime	0.0	0.0	0.0	D	D	X	X	X
327420	Gypsum	19.3	7.6	56.1	D	D	X	11.3	0.0
327993	Mineral Wool	35.9	32.3	60.0	35.2	0.0	X	X	X
331	Primary Metals	6.1	4.0	6.7	4.8	3.1	1.6	4.6	32.9
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	D	D	D
3312	Steel Products from Purchased Steel	12.5	17.0	13.1	18.8	10.5	0.0	0.0	X
3313	Alumina and Aluminum Production and Processing	8.1	2.0	18.7	2.4	0.0	D	D	D
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	0.0	X	X	X
331315	Aluminum Sheet, Plate and Foils	D	D	D	0.0	0.0	X	D	X
331318	Other Aluminum Rolling, Drawing and Extruding	11.8	5.4	8.2	D	X	D	X	D
3314	Nonferrous Metal (except Aluminum) Production and Processing	17.7	8.4	19.5	9.2	0.0	D	D	D
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	35.6	0.0	6.4	D	D	X	X	X
3315	Foundries	8.7	5.9	10.5	7.1	7.7	4.6	12.8	72.4
331511	Iron Foundries	16.2	8.6	28.8	9.7	D	X	D	X
331523	Nonferrous Metal Die-Casting Foundries	6.2	13.8	15.0	19.4	19.3	7.0	23.4	X
331524	Aluminum Foundries, except Die-Casting	11.5	3.6	19.7	4.2	D	X	D	X
332	Fabricated Metal Products	6.0	16.9	12.7	17.6	99.5	96.4	50.4	X
333	Machinery	8.6	14.4	16.8	15.9	44.4	60.4	84.5	X
334	Computer and Electronic Products	14.2	17.8	19.5	22.2	48.5	65.9	56.0	X
334413	Semiconductors and Related Devices	35.5	27.0	28.8	30.2	D	D	X	X
335	Electrical Equipment, Appliances, and Components	20.4	27.3	29.2	30.0	D	X	D	X
336	Transportation Equipment	13.8	14.3	21.8	17.1	37.6	79.0	54.5	54.1
336110	Automobile and Light Duty Motor Vehicle Manufacturing	53.8	4.8	28.8	17.6	0.0	0.0	0.0	X
3364	Aerospace Product and Parts	24.7	11.3	27.1	12.4	43.7	4.3	10.3	54.1
336411	Aircraft	D	9.9	D	16.6	0.0	D	D	X
337	Furniture and Related Products	10.3	29.1	20.8	33.6	58.8	X	X	X
339	Miscellaneous	9.3	19.5	17.2	20.9	D	97.8	D	X
	Total	2.5	4.4	4.2	5.0	12.9	D	15.0	D

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 *participation* column includes those units which reported any of the four listed percentages of job responsibilities dedicated to energy management at any time in 2022, plus those units where the percentage of job responsibilities dedicated to energy management was 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

-- 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).