

Released: December 2025

Next MECS will be fielded in 2027

Table 8.8 Number of establishments by participation in setting goals for improving energy consumption, 2022

Level: National data

Row: NAICS codes

Column: Participation and policies influencing energy consumption goals

Unit: Establishment counts

		Policies that influenced energy consumption goals								
NAICS code ^a	Subsector and industry	No participation	Participation ^b	Don't know	Legal requirement	Voluntary programs	Corporate policy	Customer requirements	Government incentives	Don't know
Total United States										
311	Food	7,419	4,917	6,043	1,075	2,653	3,471	1,323	1,225	43
3112	Grain and Oilseed Milling	80	448	133	162	275	387	246	140	10
311221	Wet Corn Milling and Starch Manufacturing	8	42	5	7	29	42	20	D	0
31131	Sugar Manufacturing	16	33	15	22	21	21	14	17	D
3114	Fruit and Vegetable Preserving and Specialty Food	498	309	302	88	185	233	79	126	0
3115	Dairy Product Manufacturing	261	444	382	132	215	344	115	110	D
3116	Animal Slaughtering and Processing	644	657	720	132	435	479	166	182	Q
312	Beverage and Tobacco Products	2,699	1,795	1,496	476	1,284	806	282	403	Q
3121	Beverages	2,674	1,765	1,467	476	1,260	779	274	399	Q
3122	Tobacco	24	31	29	0	25	27	8	4	0
313	Textile Mills	471	244	381	51	130	177	52	59	D
314	Textile Product Mills	2,474	Q	873	D	Q	44	3	0	0
315	Apparel	1,581	Q	1,239	D	109	Q	13	5	Q
316	Leather and Allied Products	458	95	82	6	88	36	12	Q	0
321	Wood Products	4,377	2,203	3,377	634	1,305	829	414	628	Q
321113	Sawmills	819	465	692	182	258	213	D	229	27
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	561	154	459	62	82	107	30	50	5
321219	Reconstituted Wood Products	54	50	15	28	41	32	7	20	5
3219	Other Wood Products	2,877	1,528	2,126	358	947	490	359	344	D
322	Paper	1,025	1,202	830	114	646	776	329	288	Q
322110	Pulp Mills	4	23	6	8	15	15	8	5	3
322120	Paper Mills	36	87	15	17	70	76	46	15	D
322130	Paperboard Mills	25	109	31	36	61	94	24	25	D
323	Printing and Related Support	6,771	2,615	3,003	882	1,325	1,587	822	834	0
324	Petroleum and Coal Products	380	834	600	361	376	637	113	141	21
324110	Petroleum Refineries	13	104	14	21	72	91	D	32	0
324121	Asphalt Paving Mixture and Block	278	532	466	266	187	418	77	53	D
324122	Asphalt Shingle and Coating Materials	24	71	47	29	44	51	8	28	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	49	104	62	33	63	63	22	17	D
324199	All Other Petroleum and Coal Products Manufacturing	15	23	11	11	11	14	D	10	D
325	Chemicals	3,456	3,640	2,948	824	1,817	2,864	827	712	25
325110	Petrochemicals	15	26	18	7	13	22	D	8	0
325120	Industrial Gases	Q	406	165	Q	Q	403	5	Q	0
325180	Other Basic Inorganic Chemical Manufacturing	150	371	66	32	130	175	D	16	D
325193	Ethyl Alcohol	26	145	35	86	93	97	65	95	D
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	17	33	12	3	21	29	4	D	D
325199	All Other Basic Organic Chemical Manufacturing	170	355	65	33	166	296	58	31	4
325211	Plastics Materials and Resins	222	556	259	78	168	507	88	124	D
325212	Synthetic Rubber	Q	31	17	3	16	23	9	7	0
325220	Artificial and Synthetic Fibers and Filaments	31	49	8	11	21	43	15	15	0
325311	Nitrogenous Fertilizers	56	56	48	11	29	44	7	5	D
325312	Phosphatic Fertilizers	32	16	30	9	4	13	5	D	0
3254	Pharmaceuticals and Medicines	484	559	428	101	354	470	117	119	0
325412	Pharmaceutical Preparation	228	285	174	21	172	262	44	48	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	24	30	14	6	20	21	7	6	0
326	Plastics and Rubber Products	2,826	2,713	2,951	793	1,393	1,866	743	903	Q
327	Nonmetallic Mineral Products	4,654	3,298	4,340	855	1,968	1,673	832	745	18
327120	Clay Building Material and Refractories	123	115	125	36	57	78	22	36	8
327211	Flat Glass	26	23	44	Q	7	20	8	6	0
327212	Other Pressed and Blown Glass and Glassware	110	23	24	9	12	22	6	8	0
327213	Glass Containers	6	35	13	27	10	30	7	22	0
327215	Glass Products from Purchased Glass	151	171	277	31	68	89	66	40	D
327310	Cements	Q	71	44	37	46	62	14	20	D
327410	Lime	8	31	55	7	13	13	13	3	D

327420	Gypsum	24	61	40	17	42	29	33	5	D
327993	Mineral Wool	36	62	Q	6	46	36	8	6	D
331	Primary Metals	801	958	920	239	552	665	237	238	31
331110	Iron and Steel Mills and Ferroalloys	27	106	32	20	74	86	25	27	D
3312	Steel Products from Purchased Steel	148	154	262	33	89	88	39	37	D
3313	Alumina and Aluminum Production and Processing	86	164	103	39	91	145	57	36	3
331314	Secondary Smelting and Alloying of Aluminum	16	45	29	21	35	41	28	20	0
331315	Aluminum Sheet, Plate and Foils	D	38	D	8	D	32	16	10	0
331318	Other Aluminum Rolling, Drawing and Extruding	61	76	46	7	30	65	13	3	3
3314	Nonferrous Metal (except Aluminum) Production and Processing	170	189	159	64	101	121	37	54	7
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	18	38	19	5	12	32	8	3	D
3315	Foundries	370	344	364	82	196	226	78	83	13
331511	Iron Foundries	97	113	48	32	47	81	34	45	Q
331523	Nonferrous Metal Die-Casting Foundries	68	77	72	28	51	54	28	22	4
331524	Aluminum Foundries, except Die-Casting	83	77	86	9	54	47	8	7	0
332	Fabricated Metal Products	20,237	6,827	11,188	1,104	3,265	2,978	1,477	1,394	Q
333	Machinery	6,084	3,350	4,627	743	1,927	2,259	606	724	D
334	Computer and Electronic Products	2,281	2,509	1,835	275	1,780	1,196	556	704	Q
334413	Semiconductors and Related Devices	22	245	108	55	119	210	68	82	0
335	Electrical Equipment, Appliances, and Components	1,356	891	1,055	290	536	743	355	Q	Q
336	Transportation Equipment	2,738	2,425	2,437	405	1,337	1,980	1,014	531	Q
336110	Automobile and Light Duty Motor Vehicle Manufacturing	Q	72	22	10	57	55	15	11	0
3364	Aerospace Product and Parts	397	604	226	80	371	534	125	86	Q
336411	Aircraft	Q	Q	3	7	Q	Q	8	8	0
337	Furniture and Related Products	3,469	1,758	3,296	390	1,105	282	Q	398	Q
339	Miscellaneous	5,954	2,394	4,708	647	1,705	1,173	736	980	Q
	Total	81,511	45,375	58,230	10,258	25,555	26,437	10,958	11,118	1,240

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 five listed policies that influenced energy consumption goals at any time in 2022, plus those units where the policies that influenced energy consumption goals 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).

Released: December 2025

Next MECS will be fielded in 2027

RSE Table 8.8 Relative standard errors for Table 8.8

Unit: Percentage

		Policies that influenced energy consumption goals								
NAICS code ^a	Subsector and industry	No participation	Participation ^b	Don't know	Legal requirement	Voluntary programs	Corporate policy	Customer requirements	Government incentives	Don't know
Total United States										
311	Food	10.0	9.8	11.1	18.2	13.9	10.4	16.2	17.9	44.0
3112	Grain and Oilseed Milling	20.4	10.6	22.3	26.0	15.5	11.9	17.5	29.5	43.3
311221	Wet Corn Milling and Starch Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D
3114	Fruit and Vegetable Preserving and Specialty Food	25.7	9.9	23.1	18.6	16.1	9.2	12.7	20.3	X
3115	Dairy Product Manufacturing	35.1	9.5	22.2	22.0	12.3	10.2	11.0	25.3	D
3116	Animal Slaughtering and Processing	15.3	12.8	15.1	28.1	17.8	14.7	21.1	28.5	83.3
312	Beverage and Tobacco Products	11.0	12.5	14.1	23.5	15.2	15.6	27.8	24.8	86.5
3121	Beverages	11.1	12.7	14.4	23.5	15.5	16.2	28.6	25.1	86.5
3122	Tobacco	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X
313	Textile Mills	22.0	20.3	39.0	48.4	30.2	23.9	45.4	45.5	D
314	Textile Product Mills	27.6	83.5	42.9	D	95.3	39.9	0.0	X	X
315	Apparel	28.6	52.0	32.0	D	48.2	54.8	27.5	48.6	62.8
316	Leather and Allied Products	31.5	37.1	34.3	9.0	40.4	22.0	8.3	69.4	X
321	Wood Products	9.9	13.7	10.8	23.7	19.7	18.0	34.4	21.0	57.9
321113	Sawmills	14.0	13.9	12.9	24.0	18.9	18.1	D	19.9	40.9
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	15.7	24.3	18.3	10.5	4.9	34.7	20.6	8.2	0.0
321219	Reconstituted Wood Products	39.7	6.9	3.2	0.0	8.3	0.0	0.0	0.0	0.0
3219	Other Wood Products	14.2	19.2	16.1	39.5	26.8	28.5	39.6	35.9	D
322	Paper	20.1	16.7	26.6	23.4	23.8	19.1	35.3	42.3	60.2
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D
323	Printing and Related Support	11.2	17.9	17.5	32.6	25.6	22.3	33.4	33.0	X
324	Petroleum and Coal Products	5.4	4.5	6.6	7.1	7.1	5.0	12.9	9.5	16.7
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	D	0.0	X
324121	Asphalt Paving Mixture and Block	6.7	6.3	7.3	8.3	13.3	7.5	18.2	15.8	D
324122	Asphalt Shingle and Coating Materials	8.0	14.1	34.1	33.3	4.9	3.3	0.0	34.8	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	17.6	12.8	19.6	24.6	15.5	11.0	16.7	20.1	D
324199	All Other Petroleum and Coal Products Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	D	0.0	D
325	Chemicals	11.5	9.2	13.6	20.8	13.3	9.8	21.7	17.7	20.4
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	D	0.0	X
325120	Industrial Gases	56.0	30.1	29.6	65.5	59.3	30.4	8.6	93.9	X
325180	Other Basic Inorganic Chemical Manufacturing	33.5	34.4	20.2	32.9	36.1	30.3	D	5.7	D
325193	Ethyl Alcohol	20.6	5.3	11.6	6.3	4.4	6.4	5.8	6.9	D
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D	D
325199	All Other Basic Organic Chemical Manufacturing	28.7	19.5	26.7	15.2	17.4	23.1	22.9	20.3	47.0
325211	Plastics Materials and Resins	29.3	23.4	39.4	17.3	9.5	25.6	16.1	32.3	D
325212	Synthetic Rubber	58.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
325220	Artificial and Synthetic Fibers and Filaments	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D	X
3254	Pharmaceuticals and Medicines	20.6	15.3	23.1	44.0	23.7	16.5	39.6	37.9	X
325412	Pharmaceutical Preparation	35.4	21.2	18.2	26.1	34.4	23.1	22.8	19.0	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
326	Plastics and Rubber Products	13.7	13.5	13.2	26.0	18.8	16.3	26.3	23.6	56.8
327	Nonmetallic Mineral Products	13.4	15.0	13.2	30.2	20.4	20.0	31.0	31.4	7.3
327120	Clay Building Material and Refractories	27.4	5.0	27.3	13.5	9.5	6.7	17.8	14.3	16.5
327211	Flat Glass	0.0	11.8	6.1	50.5	0.0	13.6	35.8	0.0	X
327212	Other Pressed and Blown Glass and Glassware	34.1	5.9	16.8	0.0	0.0	6.1	0.0	0.0	X
327213	Glass Containers	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	X
327215	Glass Products from Purchased Glass	23.2	24.7	16.9	41.8	38.8	33.7	32.4	40.4	D
327310	Cements	58.5	5.1	35.2	9.7	7.6	5.9	17.7	12.4	D
327410	Lime	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D
327420	Gypsum	26.9	7.3	46.2	1.7	10.6	1.0	13.4	0.0	D
327993	Mineral Wool	44.1	30.5	56.6	0.0	41.3	14.5	0.0	0.0	D
331	Primary Metals	6.6	4.2	7.0	12.0	5.8	4.4	5.7	12.9	14.8

331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D
3312	Steel Products from Purchased Steel	17.7	8.4	13.3	22.3	12.9	11.1	21.6	15.3	D
3313	Alumina and Aluminum Production and Processing	6.0	2.3	17.7	2.0	3.9	2.3	3.2	0.0	24.7
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
331315	Aluminum Sheet, Plate and Foils	D	0.0	D	0.0	D	0.0	0.0	0.0	X
331318	Other Aluminum Rolling, Drawing and Extruding	8.5	4.9	20.0	10.9	12.0	5.1	14.0	0.0	24.7
3314	Nonferrous Metal (except Aluminum) Production and Processing	21.2	15.7	15.1	40.2	25.5	14.1	5.7	45.8	20.9
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	7.7	38.5	0.0	14.7	0.0	45.4	8.3	0.0	D
3315	Foundries	7.7	6.7	12.4	12.1	7.3	9.4	12.8	20.5	33.3
331511	Iron Foundries	18.7	15.0	19.7	29.7	8.6	20.7	26.6	37.0	57.7
331523	Nonferrous Metal Die-Casting Foundries	8.2	6.1	15.7	10.8	8.5	5.6	10.8	11.5	34.2
331524	Aluminum Foundries, except Die-Casting	18.2	17.4	14.0	2.9	22.5	26.0	27.5	4.0	X
332	Fabricated Metal Products	7.1	13.6	10.3	36.4	20.4	20.9	31.1	31.3	57.0
333	Machinery	10.3	14.6	12.0	30.3	19.3	17.3	31.8	35.6	D
334	Computer and Electronic Products	17.3	14.9	18.9	42.9	18.3	21.0	31.6	29.6	99.0
334413	Semiconductors and Related Devices	38.9	22.0	42.0	25.6	29.7	25.0	21.6	41.2	X
335	Electrical Equipment, Appliances, and Components	23.6	25.4	25.8	47.1	33.5	27.6	47.1	62.7	62.2
336	Transportation Equipment	16.0	14.1	17.2	37.3	18.8	15.3	23.6	33.6	59.8
336110	Automobile and Light Duty Motor Vehicle Manufacturing	57.8	3.7	40.1	0.0	4.7	4.8	0.0	0.0	X
3364	Aerospace Product and Parts	25.1	19.0	26.3	35.0	28.4	20.7	22.4	19.2	59.8
336411	Aircraft	57.7	63.3	24.5	0.0	76.6	63.7	4.8	0.0	X
337	Furniture and Related Products	14.2	20.7	14.9	46.1	26.3	47.6	56.1	44.4	77.4
339	Miscellaneous	11.5	18.2	12.9	36.7	22.4	25.6	35.3	30.3	95.9
	Total	3.1	3.8	3.6	7.9	5.2	4.6	7.9	7.8	26.2

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 five listed policies that influenced energy consumption goals at any time in 2022, plus those units where the policies that influenced energy consumption goals 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).