

Released: December 2025

Next MECS will be fielded in 2027

Table 8.7 Number of establishments by simple payback period, 2022

Level: National data

Row: NAICS codes

Column: Company policy for a simple payback period

Unit: Establishment counts

NAICS code ^a	Subsector and industry	Establishments ^b	Maximum simple payback period						No such requirement	Don't know
			Less than 1 year	1 to 2 years	2 to 3 years	3 to 4 years	Greater than 4 years			
Total United States										
311	Food	18,379	Q	1,451	2,569	975	637	4,368	8,143	
3112	Grain and Oilseed Milling	661	D	D	139	164	51	126	139	
311221	Wet Corn Milling and Starch Manufacturing	55	0	D	22	18	8	3	D	
31131	Sugar Manufacturing	64	8	4	7	5	7	10	23	
3114	Fruit and Vegetable Preserving and Specialty Food	1,109	5	104	134	92	31	258	484	
3115	Dairy Product Manufacturing	1,087	22	193	231	Q	76	82	314	
3116	Animal Slaughtering and Processing	2,022	23	182	329	120	68	597	704	
312	Beverage and Tobacco Products	5,990	Q	643	707	318	471	1,758	1,939	
3121	Beverages	5,906	Q	639	703	305	460	1,743	1,901	
3122	Tobacco	84	0	4	4	13	10	15	37	
313	Textile Mills	1,096	Q	75	149	59	93	375	319	
314	Textile Product Mills	3,638	D	D	12	Q	Q	1,620	1,849	
315	Apparel	3,236	D	D	61	Q	0	690	2,025	
316	Leather and Allied Products	636	0	49	14	17	Q	260	259	
321	Wood Products	9,957	136	627	897	532	283	3,425	4,056	
321113	Sawmills	1,976	Q	121	124	133	115	603	836	
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1,173	Q	79	140	29	59	326	503	
321219	Reconstituted Wood Products	119	0	12	24	D	14	24	D	
3219	Other Wood Products	6,531	Q	413	609	361	Q	2,390	2,612	
322	Paper	3,057	Q	397	765	204	Q	361	1,113	
322110	Pulp Mills	33	D	4	D	4	D	9	10	
322120	Paper Mills	138	4	11	47	3	6	24	43	
322130	Paperboard Mills	164	6	25	21	16	15	27	54	
323	Printing and Related Support	12,389	Q	957	1,035	926	683	4,243	4,419	
324	Petroleum and Coal Products	1,814	22	130	210	134	461	265	593	
324110	Petroleum Refineries	131	D	D	11	D	21	26	22	
324121	Asphalt Paving Mixture and Block	1,276	0	30	129	100	414	151	452	
324122	Asphalt Shingle and Coating Materials	142	D	D	26	0	7	45	27	
324191	Petroleum Lubricating Oil and Grease Manufacturing	215	13	35	38	13	16	30	71	
324199	All Other Petroleum and Coal Products Manufacturing	50	D	D	6	D	4	13	21	
325	Chemicals	10,044	87	1,214	1,398	580	627	2,433	3,706	
325110	Petrochemicals	60	15	D	7	D	5	7	19	
325120	Industrial Gases	612	0	D	223	D	Q	Q	253	
325180	Other Basic Inorganic Chemical Manufacturing	587	Q	87	86	Q	20	129	Q	
325193	Ethyl Alcohol	207	11	36	30	17	7	25	81	
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	62	0	7	9	12	3	4	27	
325199	All Other Basic Organic Chemical Manufacturing	590	3	170	91	Q	41	81	108	
325211	Plastics Materials and Resins	1,037	9	227	119	159	50	153	321	
325212	Synthetic Rubber	98	D	8	13	8	D	16	20	
325220	Artificial and Synthetic Fibers and Filaments	88	D	8	19	13	D	18	18	
325311	Nitrogenous Fertilizers	161	0	3	21	15	14	35	73	
325312	Phosphatic Fertilizers	79	0	0	8	4	4	13	50	
3254	Pharmaceuticals and Medicines	1,471	Q	144	161	64	223	330	512	
325412	Pharmaceutical Preparation	687	13	61	75	23	Q	249	171	
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	69	3	12	8	4	4	18	19	
326	Plastics and Rubber Products	8,490	350	1,242	895	586	453	1,646	3,317	
327	Nonmetallic Mineral Products	12,292	Q	715	482	798	1,120	4,315	4,726	
327120	Clay Building Material and Refractories	364	3	44	52	19	15	128	104	
327211	Flat Glass	93	D	9	7	D	D	25	42	
327212	Other Pressed and Blown Glass and Glassware	156	5	12	9	6	4	58	Q	
327213	Glass Containers	54	0	17	D	17	D	7	10	
327215	Glass Products from Purchased Glass	599	5	48	61	24	13	156	293	
327310	Cements	159	D	D	28	18	7	24	79	
327410	Lime	95	0	D	D	19	D	9	52	
327420	Gypsum	126	0	3	46	3	21	Q	25	
327993	Mineral Wool	185	D	39	16	D	D	Q	Q	

331	Primary Metals	2,679	74	360	372	215	146	622	890
331110	Iron and Steel Mills and Ferroalloys	165	D	24	25	9	D	35	62
3312	Steel Products from Purchased Steel	564	Q	64	68	49	31	83	255
3313	Alumina and Aluminum Production and Processing	353	D	66	48	18	D	80	123
331314	Secondary Smelting and Alloying of Aluminum	90	0	16	10	4	14	24	24
331315	Aluminum Sheet, Plate and Foils	67	0	D	5	0	D	18	Q
331318	Other Aluminum Rolling, Drawing and Extruding	182	D	34	34	7	D	38	67
3314	Nonferrous Metal (except Aluminum) Production and Processing	519	24	64	73	50	27	138	142
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	74	D	5	9	D	5	32	16
3315	Foundries	1,078	33	142	157	90	62	286	308
331511	Iron Foundries	259	9	63	31	20	22	54	60
331523	Nonferrous Metal Die-Casting Foundries	217	14	19	49	19	11	49	56
331524	Aluminum Foundries, except Die-Casting	247	4	23	29	27	10	83	71
332	Fabricated Metal Products	38,253	1,174	2,563	1,990	2,807	1,193	16,514	12,012
333	Machinery	14,061	Q	1,143	1,294	702	758	5,167	4,753
334	Computer and Electronic Products	6,625	Q	Q	720	670	495	1,946	2,306
334413	Semiconductors and Related Devices	375	Q	43	41	Q	18	35	199
335	Electrical Equipment, Appliances, and Components	3,301	Q	264	339	Q	Q	1,236	1,046
336	Transportation Equipment	7,600	310	688	564	673	404	2,179	2,783
336110	Automobile and Light Duty Motor Vehicle Manufacturing	210	D	D	10	6	9	Q	22
3364	Aerospace Product and Parts	1,227	D	D	136	Q	73	360	297
336411	Aircraft	286	0	8	7	Q	22	Q	10
337	Furniture and Related Products	8,523	Q	743	555	455	293	2,680	3,700
339	Miscellaneous	13,055	Q	645	694	896	Q	4,103	6,255
	Total	185,115	3,693	14,487	15,722	11,947	8,850	60,208	70,208

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.

^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 five listed maximum simple payback periods or had no such requirement at any time in 2022, plus those units where the maximum simple payback period 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).

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RSE Table 8.7 Relative standard errors for Table 8.7

Unit: Percentage

NAICS code ^a	Subsector and industry	Establishments ^b	Maximum simple payback period						No such requirement	Don't know
			Less than 1 year	1 to 2 years	2 to 3 years	3 to 4 years	Greater than 4 years			
Total United States										
311	Food	0.0	52.6	19.8	15.5	20.4	31.7	13.3	9.4	
3112	Grain and Oilseed Milling	0.0	D	D	17.7	23.1	15.5	25.7	15.3	
311221	Wet Corn Milling and Starch Manufacturing	0.0	X	D	0.0	0.0	0.0	0.0	D	
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3114	Fruit and Vegetable Preserving and Specialty Food	0.0	0.0	32.9	9.9	23.4	18.4	30.5	24.7	
3115	Dairy Product Manufacturing	0.0	32.0	16.0	17.7	51.3	34.9	19.7	25.8	
3116	Animal Slaughtering and Processing	0.0	24.2	19.3	16.4	35.6	24.9	17.9	15.3	
312	Beverage and Tobacco Products	0.0	51.9	23.0	19.4	33.9	26.4	14.4	12.3	
3121	Beverages	0.0	51.9	23.1	19.5	35.4	27.0	14.5	12.5	
3122	Tobacco	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	
313	Textile Mills	0.0	87.5	40.6	38.9	38.1	48.4	22.5	46.1	
314	Textile Product Mills	0.0	D	D	32.8	75.2	93.2	35.5	31.2	
315	Apparel	0.0	D	D	32.8	51.0	X	45.2	24.3	
316	Leather and Allied Products	0.0	X	41.1	23.0	38.1	89.4	31.5	47.7	
321	Wood Products	0.0	34.1	23.1	18.8	31.5	24.5	11.9	10.1	
321113	Sawmills	0.0	50.9	20.1	20.1	19.0	27.8	16.7	13.2	
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	0.0	78.9	18.7	26.5	26.5	36.2	21.6	18.8	
321219	Reconstituted Wood Products	0.0	X	4.2	26.3	D	23.2	5.6	D	
3219	Other Wood Products	0.0	64.1	34.4	26.7	45.9	55.2	16.2	14.7	
322	Paper	0.0	77.7	31.9	21.9	29.9	52.1	36.2	22.4	
322110	Pulp Mills	0.0	D	0.0	D	0.0	D	0.0	0.0	
322120	Paper Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
323	Printing and Related Support	0.0	89.3	30.6	30.7	33.1	39.7	14.6	14.0	
324	Petroleum and Coal Products	0.0	30.0	11.6	8.8	7.8	6.9	8.8	5.8	
324110	Petroleum Refineries	0.0	D	D	0.0	D	0.0	0.0	0.0	
324121	Asphalt Paving Mixture and Block	0.0	X	19.4	14.2	10.4	7.7	9.8	7.0	
324122	Asphalt Shingle and Coating Materials	0.0	D	D	3.5	X	0.0	36.1	6.6	
324191	Petroleum Lubricating Oil and Grease Manufacturing	0.0	48.9	28.4	8.6	0.0	22.2	25.4	19.4	
324199	All Other Petroleum and Coal Products Manufacturing	0.0	D	D	0.0	D	0.0	0.0	0.0	
325	Chemicals	0.0	26.6	19.3	15.0	17.9	24.4	14.3	11.8	
325110	Petrochemicals	0.0	0.0	D	0.0	D	0.0	0.0	0.0	
325120	Industrial Gases	0.0	X	D	15.3	D	81.5	96.0	36.8	
325180	Other Basic Inorganic Chemical Manufacturing	0.0	70.0	46.6	35.5	76.5	9.5	39.1	53.6	
325193	Ethyl Alcohol	0.0	17.7	14.1	14.6	30.3	14.3	23.3	5.4	
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	
325199	All Other Basic Organic Chemical Manufacturing	0.0	0.0	28.3	35.8	57.2	26.2	29.7	19.7	
325211	Plastics Materials and Resins	0.0	18.4	49.4	32.1	38.6	22.8	34.9	33.0	
325212	Synthetic Rubber	0.0	D	0.0	0.0	0.0	D	0.0	0.0	
325220	Artificial and Synthetic Fibers and Filaments	0.0	D	0.0	0.0	0.0	D	0.0	32.4	
325311	Nitrogenous Fertilizers	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	
325312	Phosphatic Fertilizers	0.0	X	X	0.0	0.0	0.0	0.0	0.0	
3254	Pharmaceuticals and Medicines	0.0	61.8	25.2	30.0	22.3	34.5	26.7	19.1	
325412	Pharmaceutical Preparation	0.0	41.7	35.7	21.4	24.4	57.6	34.0	12.6	
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	
326	Plastics and Rubber Products	0.0	37.8	21.6	23.4	31.8	37.9	18.9	12.2	
327	Nonmetallic Mineral Products	0.0	84.4	28.9	30.5	32.6	28.0	14.0	12.9	
327120	Clay Building Material and Refractories	0.0	0.0	25.0	4.0	3.0	25.1	34.8	16.4	
327211	Flat Glass	0.0	D	0.0	0.0	D	D	0.0	8.9	
327212	Other Pressed and Blown Glass and Glassware	0.0	0.0	11.5	6.1	22.9	0.0	33.6	52.9	
327213	Glass Containers	0.0	X	0.0	D	0.0	D	0.0	5.8	
327215	Glass Products from Purchased Glass	0.0	0.0	25.8	39.0	5.7	20.1	28.2	17.1	
327310	Cements	0.0	D	D	9.2	0.0	36.1	45.1	35.8	
327410	Lime	0.0	X	D	D	0.0	D	0.0	0.0	
327420	Gypsum	0.0	X	0.0	9.7	0.0	0.0	66.8	26.4	
327993	Mineral Wool	0.0	D	46.5	0.0	D	D	55.5	50.5	
331	Primary Metals	0.0	13.1	8.5	8.1	9.4	8.0	9.6	6.0	
331110	Iron and Steel Mills and Ferroalloys	0.0	D	0.0	0.0	0.0	D	0.0	0.0	
3312	Steel Products from Purchased Steel	0.0	52.1	33.5	12.7	18.2	16.4	16.4	13.9	

3313	Alumina and Aluminum Production and Processing	0.0	D	14.5	5.7	0.0	D	6.2	13.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	X	D	0.0	X	D	0.0	55.1
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	D	28.2	8.2	0.0	D	13.1	5.5
3314	Nonferrous Metal (except Aluminum) Production and Processing	0.0	17.9	12.8	34.4	26.9	24.8	28.0	14.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	D	25.0	0.0	D	0.0	45.4	4.2
3315	Foundries	0.0	13.6	12.7	8.7	13.5	12.9	15.1	10.4
331511	Iron Foundries	0.0	26.9	27.0	19.8	16.3	32.7	19.6	27.0
331523	Nonferrous Metal Die-Casting Foundries	0.0	23.1	10.5	18.7	8.9	0.0	14.3	10.8
331524	Aluminum Foundries, except Die-Casting	0.0	0.0	7.4	19.9	39.4	3.3	21.1	15.1
332	Fabricated Metal Products	0.0	34.5	23.0	25.6	21.6	34.0	8.2	9.9
333	Machinery	0.0	57.0	24.2	22.8	36.4	30.5	11.8	11.7
334	Computer and Electronic Products	0.0	50.9	50.2	30.2	31.4	37.2	19.1	16.4
334413	Semiconductors and Related Devices	0.0	58.3	26.6	34.0	93.7	10.1	45.6	29.6
335	Electrical Equipment, Appliances, and Components	0.0	64.8	32.9	42.1	54.6	50.0	26.0	26.0
336	Transportation Equipment	0.0	48.9	23.7	32.0	33.1	32.0	18.3	15.8
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	D	D	0.0	0.0	0.0	53.5	40.2
3364	Aerospace Product and Parts	0.0	D	D	26.9	50.9	28.8	29.2	19.7
336411	Aircraft	0.0	X	12.5	20.3	83.6	34.0	61.3	27.0
337	Furniture and Related Products	0.0	99.0	35.1	34.7	43.2	46.5	16.8	13.6
339	Miscellaneous	0.0	84.1	32.5	31.9	31.2	51.4	13.9	11.3
	Total	0.0	15.4	7.0	6.3	8.2	8.9	3.7	3.3

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

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^b The *establishments* column includes those units which reported any of the five listed maximum simple payback periods or had no such requirement at any time in 2022, plus those units where the maximum simple payback period 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).