

Released: August 2021
 Next MECS will be fielded in 2023.

Table 8.7 Number of Establishments by Simple Payback Period, 2018;

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	15,842	354	1,444	2,276	1,201	861	4,215	5,490	
3112	Grain and Oilseed Milling	611	7	48	172	49	55	76	204	
311221	Wet Corn Milling	52	D	7	13	8	D	18	D	
31131	Sugar Manufacturing	70	0	3	18	4	10	11	24	
3114	Fruit and Vegetable Preserving and Specialty Food	1,047	Q	194	226	110	30	238	206	
3115	Dairy Product	1,036	34	206	215	79	45	166	291	
3116	Animal Slaughtering and Processing	1,842	82	168	142	159	38	520	732	
312	Beverage and Tobacco Products	3,938	146	289	424	430	155	1,290	1,204	
3121	Beverages	3,853	146	283	409	415	147	1,265	1,188	
3122	Tobacco	85	0	7	15	15	8	25	16	
313	Textile Mills	1,360	Q	280	233	Q	27	334	431	
314	Textile Product Mills	4,116	Q	160	Q	Q	Q	1,109	1,878	
315	Apparel	3,856	Q	Q	Q	Q	Q	1,090	1,936	
316	Leather and Allied Products	655	Q	Q	Q	19	0	228	221	
321	Wood Products	9,435	110	720	1,038	651	318	3,264	3,335	
321113	Sawmills	1,787	9	184	163	114	118	659	540	
3212	Veneer, Plywood, and Engineered Woods	1,083	15	91	123	108	50	345	351	
321219	Reconstituted Wood Products	158	5	30	35	6	3	30	49	
3219	Other Wood Products	6,286	Q	434	740	416	Q	2,192	2,290	
322	Paper	3,009	133	622	491	104	161	462	1,037	
322110	Pulp Mills	28	0	D	8	3	D	8	4	
322121	Paper Mills, except Newsprint	156	8	36	41	9	3	36	21	
322122	Newsprint Mills	11	0	D	3	0	0	0	D	
322130	Paperboard Mills	143	D	20	31	14	D	37	31	
323	Printing and Related Support	12,614	Q	837	1,399	741	907	4,701	3,813	
324	Petroleum and Coal Products	1,883	27	229	272	189	119	386	661	
324110	Petroleum Refineries	136	5	31	13	18	24	19	25	
324121	Asphalt Paving Mixture and Block	1,289	D	142	175	134	D	270	482	
324122	Asphalt Shingle and Coating Materials	168	D	25	26	12	D	37	59	
324191	Petroleum Lubricating Oil and Grease Products	211	Q	20	43	19	7	44	69	
324199	Other Petroleum and Coal Products	79	D	12	15	5	D	15	26	
325	Chemicals	8,902	232	1,145	1,824	778	486	1,703	2,734	
325110	Petrochemicals	66	D	18	6	D	D	13	22	
325120	Industrial Gases	525	0	30	174	0	Q	9	262	
325180	Other Basic Inorganic Chemicals	501	73	49	79	40	9	92	160	
325193	Ethyl Alcohol	207	D	29	50	24	D	35	64	
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	61	0	D	15	24	D	8	6	
325199	Other Basic Organic Chemicals	524	7	72	123	60	19	30	212	
325211	Plastics Materials and Resins	813	13	99	149	126	39	146	240	
325212	Synthetic Rubber	87	D	11	25	13	D	11	22	
325220	Artificial and Synthetic Fibers and Filaments	99	0	22	18	14	5	19	21	
325311	Nitrogenous Fertilizers	148	D	7	8	80	D	10	35	
325312	Phosphatic Fertilizers	55	D	D	4	D	0	6	36	
3254	Pharmaceuticals and Medicines	1,327	7	176	230	142	86	258	429	
325412	Pharmaceutical Preparation	717	D	91	116	63	D	130	273	
325992	Photographic Film, Paper, Plate, and Chemicals	108	4	21	9	Q	4	23	22	
326	Plastics and Rubber Products	8,317	415	1,537	1,587	Q	593	2,499	1,508	
327	Nonmetallic Mineral Products	12,035	85	1,186	1,222	497	584	3,074	5,387	
327120	Clay Building Material and Refractories	415	Q	40	132	35	17	76	86	
327211	Flat Glass	60	D	D	8	0	10	20	14	
327212	Other Pressed and Blown Glass and Glassware	164	8	15	24	12	0	Q	64	
327213	Glass Containers	57	D	13	3	D	D	0	35	

327215	Glass Products from Purchased Glass	686	9	60	84	22	34	228	249
327310	Cements	187	D	61	24	D	8	38	45
327410	Lime	86	0	D	9	28	D	10	34
327420	Gypsum	148	D	D	44	D	18	31	49
327993	Mineral Wool	191	D	19	32	20	D	91	26
331	Primary Metals	3,226	65	564	571	215	176	701	933
331110	Iron and Steel Mills and Ferroalloys	390	15	94	59	18	28	70	106
3312	Steel Products from Purchased Steel	498	17	74	79	44	28	97	159
3313	Alumina and Aluminum	399	4	81	97	26	14	78	99
331314	Secondary Smelting and Alloying of Aluminum	109	0	10	20	4	9	17	48
331315	Aluminum Sheet, Plate and Foils	65	D	13	D	D	D	18	13
331318	Other Aluminum Rolling, Drawing and Extruding	191	D	39	61	D	D	40	29
3314	Nonferrous Metals, except Aluminum	651	8	100	129	40	61	83	230
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	107	5	15	35	D	D	24	23
3315	Foundries	1,288	21	215	207	87	45	374	340
331511	Iron Foundries	373	D	66	51	D	15	119	108
331523	Nonferrous Metal Die-Casting Foundries	257	4	45	46	30	Q	48	70
331524	Aluminum Foundries, except Die-Casting	277	4	41	45	13	9	89	75
332	Fabricated Metal Products	37,949	1,141	2,507	2,953	1,541	1,899	14,827	13,081
333	Machinery	14,919	499	1,698	1,736	776	421	5,387	4,402
334	Computer and Electronic Products	6,646	341	402	715	592	278	2,987	1,332
334413	Semiconductors and Related Devices	344	Q	88	69	Q	Q	58	52
335	Electrical Equip., Appliances, and Components	3,295	261	356	249	238	0	1,226	965
336	Transportation Equipment	7,103	584	908	605	228	340	1,563	2,875
336111	Automobiles	71	7	23	9	3	3	8	17
336112	Light Trucks and Utility Vehicles	69	D	21	4	D	D	17	D
3364	Aerospace Product and Parts	1,199	Q	171	142	63	98	325	333
336411	Aircraft	347	0	36	25	16	38	199	34
337	Furniture and Related Products	8,347	Q	330	680	305	411	3,767	2,762
339	Miscellaneous	13,679	Q	897	928	610	377	5,701	4,965
	Total	181,126	5,405	16,467	19,784	9,624	8,382	60,515	60,950

(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 five listed maximum simple payback periods at any time in 2018, 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 is greater than 50 percent.

NA=Not available.

-- Estimation is not applicable.

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).

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RSE Table 8.7 Relative Standard Errors for Table 8.7;

Unit: Percents.

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	21.2	6.2	5.1	9.8	7.5	6.1	5.2
3112	Grain and Oilseed Milling	0.0	7.4	5.7	9.0	4.9	16.2	6.5	14.3
311221	Wet Corn Milling	0.0	D	0.0	0.0	0.0	D	0.0	D
31131	Sugar Manufacturing	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Food	0.0	75.0	19.2	17.1	39.6	42.1	24.1	21.0
3115	Dairy Product	0.0	41.9	12.5	12.3	34.2	23.4	28.8	16.6
3116	Animal Slaughtering and Processing	0.0	17.2	13.6	17.6	32.3	29.8	14.4	10.9
312	Beverage and Tobacco Products	0.0	41.5	11.1	8.2	8.0	10.0	6.1	7.2
3121	Beverages	0.0	41.5	22.9	21.7	21.1	34.3	11.4	11.6
3122	Tobacco	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
313	Textile Mills	0.0	80.8	21.6	22.2	60.0	47.5	22.5	17.4
314	Textile Product Mills	0.0	83.5	49.5	52.4	69.5	73.8	33.0	21.5
315	Apparel	0.0	94.6	71.8	65.6	95.9	58.2	34.9	21.4
316	Leather and Allied Products	0.0	72.6	52.8	55.8	37.1	X	23.6	25.9
321	Wood Products	0.0	15.1	15.0	11.4	14.7	24.8	7.6	9.7
321113	Sawmills	0.0	21.3	15.5	13.6	25.1	22.8	9.8	11.4
3212	Veneer, Plywood, and Engineered Woods	0.0	14.7	25.0	17.4	25.3	41.4	14.3	23.5
321219	Reconstituted Wood Products	0.0	18.0	32.9	21.0	20.3	18.0	21.6	44.1
3219	Other Wood Products	0.0	51.2	30.5	23.8	32.0	61.6	12.9	12.3
322	Paper	0.0	23.4	4.2	3.6	7.9	17.8	4.5	5.7
322110	Pulp Mills	0.0	X	D	0.0	0.0	D	0.0	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
322122	Newsprint Mills	0.0	X	D	0.0	X	X	X	D
322130	Paperboard Mills	0.0	D	0.0	0.0	0.0	D	0.0	0.0
323	Printing and Related Support	0.0	53.4	26.4	21.7	30.6	28.0	10.1	11.6
324	Petroleum and Coal Products	0.0	15.8	5.3	9.2	6.9	5.9	8.9	7.5
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
324121	Asphalt Paving Mixture and Block	0.0	D	18.1	9.4	15.8	D	12.5	7.4
324122	Asphalt Shingle and Coating Materials	0.0	D	12.2	27.7	19.8	D	12.2	22.3
324191	Petroleum Lubricating Oil and Grease Products	0.0	65.1	30.2	27.9	26.3	12.7	37.3	25.2
324199	Other Petroleum and Coal Products	0.0	D	0.0	0.0	0.0	D	0.0	0.0
325	Chemicals	0.0	17.5	5.1	5.2	11.0	15.0	6.5	4.5
325110	Petrochemicals	0.0	D	0.0	0.0	D	D	0.0	0.0
325120	Industrial Gases	0.0	X	41.3	21.8	X	74.7	36.0	14.7
325180	Other Basic Inorganic Chemicals	0.0	41.3	14.8	22.2	31.0	19.9	30.8	20.3
325193	Ethyl Alcohol	0.0	D	11.2	15.6	16.1	D	9.4	7.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	D	0.0	0.0	D	0.0	0.0
325199	Other Basic Organic Chemicals	0.0	17.1	16.4	19.6	32.1	22.5	24.3	14.6
325211	Plastics Materials and Resins	0.0	24.1	23.2	18.1	30.7	40.8	23.8	18.1
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	X	0.0	0.0	0.0	0.0	0.0	0.0
325311	Nitrogenous Fertilizers	0.0	D	43.3	43.3	37.4	D	44.3	49.7
325312	Phosphatic Fertilizers	0.0	D	D	0.0	D	X	0.0	0.0
3254	Pharmaceuticals and Medicines	0.0	37.0	25.6	22.1	24.2	31.8	19.9	15.8
325412	Pharmaceutical Preparation	0.0	D	31.1	32.1	25.0	D	27.0	18.5
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	24.6	18.8	18.8	56.1	18.8	39.6	28.0
326	Plastics and Rubber Products	0.0	34.4	16.9	17.2	54.9	30.4	13.2	18.2
327	Nonmetallic Mineral Products	0.0	19.1	10.5	7.9	8.2	5.8	9.1	5.6
327120	Clay Building Material and Refractories	0.0	66.6	15.8	17.6	24.1	14.4	15.3	19.2
327211	Flat Glass	0.0	D	D	0.0	X	0.0	0.0	0.0
327212	Other Pressed and Blown Glass and Glassware	0.0	23.3	20.9	27.3	41.9	X	53.2	31.0
327213	Glass Containers	0.0	D	0.0	0.0	D	D	X	0.0
327215	Glass Products from Purchased Glass	0.0	10.5	13.2	14.2	39.7	19.8	20.1	18.1
327310	Cements	0.0	D	35.5	29.3	D	15.1	16.5	19.7
327410	Lime	0.0	X	D	0.0	0.0	D	0.0	0.0

327420	Gypsum	0.0	D	D	25.5	D	15.0	44.0	30.2
327993	Mineral Wool	0.0	D	31.2	30.0	40.4	D	23.5	24.9
331	Primary Metals	0.0	8.8	4.5	7.1	9.4	11.1	6.9	6.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	0.0	27.3	20.2	20.8	29.3	28.5	29.8	21.2
3313	Alumina and Aluminum	0.0	1.6	5.9	6.4	8.2	14.7	9.2	7.8
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	19.6	20.7	13.5	26.4	13.1	17.9
331315	Aluminum Sheet, Plate and Foils	0.0	D	0.0	D	D	D	0.0	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	D	28.2	10.9	D	D	30.7	11.0
3314	Nonferrous Metals, except Aluminum	0.0	16.0	13.4	26.7	42.6	33.3	16.9	13.8
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	18.0	19.3	39.5	D	D	22.8	18.0
3315	Foundries	0.0	25.3	10.9	9.6	16.3	22.4	12.7	13.6
331511	Iron Foundries	0.0	D	30.6	23.6	D	30.1	34.8	29.8
331523	Nonferrous Metal Die-Casting Foundries	0.0	7.1	15.9	12.0	30.5	52.5	22.9	17.5
331524	Aluminum Foundries, except Die-Casting	0.0	37.9	19.2	24.7	22.5	27.1	20.3	34.5
332	Fabricated Metal Products	0.0	32.7	22.6	21.1	28.8	26.7	7.7	8.5
333	Machinery	0.0	35.6	18.0	17.3	28.4	39.1	8.8	10.2
334	Computer and Electronic Products	0.0	38.7	29.3	25.5	36.0	36.6	13.4	23.0
334413	Semiconductors and Related Devices	0.0	52.0	34.4	35.6	67.4	59.8	40.4	46.6
335	Electrical Equip., Appliances, and Components	0.0	49.7	33.6	31.1	47.3	X	20.1	23.4
336	Transportation Equipment	0.0	17.6	5.7	8.4	14.5	13.1	8.4	5.6
336111	Automobiles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
336112	Light Trucks and Utility Vehicles	0.0	D	0.0	0.0	D	D	0.0	D
3364	Aerospace Product and Parts	0.0	51.0	18.7	15.0	22.1	16.8	13.9	14.1
336411	Aircraft	0.0	X	22.3	20.7	29.9	19.1	14.9	26.8
337	Furniture and Related Products	0.0	79.8	37.3	27.2	46.7	39.3	9.8	12.6
339	Miscellaneous	0.0	63.1	28.2	27.3	35.2	47.0	9.4	10.5
	Total	0.0	7.2	2.4	2.4	4.6	4.3	2.4	2.0

(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 five listed maximum simple payback periods at any time in 2018, 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 is greater than 50 percent.

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

NA=Not available.

-- Estimation is not applicable.

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.

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