## Released: August 2025 Next MECS will be fielded in 2027

Table 10.20 Reasons that made electricity unswitchable, 2022

Level: National data Row: NAICS codes

Column: Reasons that made quantity unswitchable

Unit: Million kilowatthours

## Non switchable amount attributed to:

Mode of the state of			Total amount of	Total amount of	Equipment is not	Switching	Unavailable		Long-term	Unavailable			
Tell Publish   Tell	NAICS		electricity	unswitchable	capable of using			Environmental	contract	storage for	Another	Combinations of	Don't know/
Post	code <sup>a</sup>	Subsector and industry	consumed as fuel	electricity fuel use	another fuel	the products	fuel supply	restrictions <sup>b</sup>	in place <sup>c</sup>	alternative fuels <sup>d</sup>	reason	cols. F, G, H, I, J, and K	didn't answer
11   15   15   15   15   15   15   15				•									
11.12   11.1				Total United States									
131121   Seet Com Milling and Starch Manufacturing	311	Food	79,883	77,654									11,895
1311   Sept Munufacuning   1,726   1,721   1,218   37	3112	Grain and Oilseed Milling	17,713	16,762	13,468	188	136	Q	19	0	373	384	2,060
1914   Fort and Vegetable Presenting and Specially Presenting   13.111   12.52   2.926   0   0   0   136   0   231   375   375   385   3	311221	Wet Corn Milling and Starch Manufacturing	7,876	7,623	5,888		00		0				1,492
111   11		Sugar Manufacturing	<u>-</u>					<u>.</u>					
1.15   1.15	3114	Fruit and Vegetable Preserving and Specialty Food	8,919	8,865	6,286	250	Q	0	134	Q	321	437	1,286
1.00   1.00	3115	Dairy Product Manufacturing	13,111	12,352	9,293	Q	Q	0		77	561	528	1,815
1,00   1,00	3116	Animal Slaughtering and Processing	22,323	22,066	15,770	240	1,032	Q	*	141	661	485	3,718
1312   Tolsaces	312	Beverage and Tobacco Products	14,822	14,138	8,166	Q	Q	Q_	127	Q	Q	213	1,433
181   Tentle Mults	3121	Beverages	14,100	13,416	7,545	Q	Q	Q	127	Q		213	1,423
		Tobacco								0			
15	313	Textile Mills	8,673	8,584	7,243	52	32	0	8	0		Q	1,001
15	314	Textile Product Mills	2,983	2,982	2,247	92	0	0	Q	0	380	0	Q
1311   Nond Products	315	Apparel	532	532	287	Q	Q	0	5	0	72	0	155
32113   Swmlle   Symlle   Symlle   Symle   S	316	Leather and Allied Products	240	240	146	1	7	<u>.</u>	Q	5	40	7	34
32122   Veneer, Plywood, and Engineered Wood Products   5,639   5,630   4,748   27   0   0   0   0   0   0   11   18   808   828   321239   Recentified Wood Products   5,230   6,126   6,116   4,435   0   185   0   0   0   0   0   0   0   0   28   5   0   0   0   0   0   0   0   0   0	321	Wood Products	21,454	19,880	15,580	163	278	94	549	Q	836	174	2,173
	321113	Sawmills	9,077	7,619	6,081	60	82	9	519	3	316	50	500
1	3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	5,639	5,630	4,748	27	Q	32	1	Q	111	18	680
322   Paper   Paper	321219	Reconstituted Wood Products	2,906	2,906	2,555	25	00	0	0	0	41	0	285
322110   Pulp Mills   2,203   2,111   1,875   * 7 7 79 37 0 21 38 53   322120   Paper Mills   17,500   16,285   13,313   0 259   1 277 0 1,060   72 1,553   322130   Paper Mills   19,663   17,663   17,663   10,284   D 232   D 721   0 3,156   230 2,842   233   Printing and Related Support   9,160   8,125   5,922   D 0 0 0 0 0 0 0 3,156   230 2,842   234   247   248   121   112   118   8 540   7 4,161   70 3,393   234110   Petroleum and Coal Products   49,342   47,765   39,992   D D D D D D T D D D D D D D D D D D D		Other Wood Products	6,223	6,116	4,435	Q	185	Q		Q	402	92	851
Paper Milis	322	Paper	54,388	50,943	35,945		861	D	804	0	5,728	637	6,461
3210   Paperboard Mills   1963   11,893   10,284   D   232   D   721   D   3,156   230   2,842	322110	Pulp Mills	2,203	2,111	1,875	*	7	79	37	0	21	38	53
323         Printing and Related Support         9,160         8,125         5,922         Q         Q         Q         394         Q         1,000           324         Petroleum and Coal Products         53,154         51,512         42,811         219         112         198         540         7         4,161         70         3,393           324110         Petroleum And Coal Products         49,342         47,765         39,992         0         D         D         475         0,4099         0         3,010           324121         Asphalt Pawing Mixture and Block         1,500         1,449         940         190         D         D         D         64         15         200           324121         Asphalt Shingka and Coating Materials         824         812         672         16         0         D         D         64         15         200           324121         Asphalt Shingka and Coating Materials         888         688         568         0         *         0         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D         D <t< td=""><td>322120</td><td>Paper Mills</td><td>17,530</td><td>16,285</td><td>13,313</td><td>0</td><td>259</td><td>1</td><td>27</td><td>0</td><td>1,060</td><td>72</td><td>1,553</td></t<>	322120	Paper Mills	17,530	16,285	13,313	0	259	1	27	0	1,060	72	1,553
Petroleum and Coal Products   53,154   51,512   42,811   219   112   198   540   7   4,161   70   3,393   324110   Petroleum Refineries   49,342   47,765   39,992   0   0   0   0   0   0   0   0   0	322130	Paperboard Mills	19,963	17,893	10,284	D	232	D	721	0	3,156	230	2,842
324110   Petroleum Refineries   49,342   47,765   39,992   0   D   D   475   0   4,059   0   3,010     324121   Asphalt Paving Milture and Block   1,500   1,449   940   190   D   D   D   D   D   D   D   B4   15   200     324122   Asphalt Shingle and Coating Materials   824   812   672   16   0   21   0   D   D   B8   34   D     324191   Petroleum Lubricating Oil and Grease Manufacturing   880   798   640   14   30   0   D   D   0   D   D   D   D   D	323	Printing and Related Support	9,160	8,125	5,922	Q	Q	0	Q	Q	394	Q	1,080
324121         Asphalt Paving Mixture and Block         1,500         1,449         940         190         D         D         D         64         15         200           324122         Asphalt Shingle and Coating Materials         824         812         672         16         0         21         0         D         18         34         D           324191         Petroleum Lunicitating Oil and Grease Manufacturing         68         688         688         568         0         *         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         0         D         D         0         D	324	Petroleum and Coal Products	53,154	51,512	42,811	219	112	198	540	7	4,161	70	3,393
324122         Asphalt Shingle and Coating Materials         824         812         672         16         0         21         0         D         18         34         D           324191         Petroleum Lubricating Oil and Grease Manufacturing         800         798         640         14         30         0         D         0         0         D         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         1,7578         0         0         0         0         0         1,7578	324110	Petroleum Refineries	49,342	47,765	39,992	0	D	D	475	0	4,059	0	3,010
324191   Petroleum Lubricating Oil and Grease Manufacturing   800   798   640   14   30   0   0   0   0   0   0   21   70	324121	Asphalt Paving Mixture and Block	1,500	1,449	940	190	D	D	D	D	64	15	200
324199         All Other Petroleum and Coal Products Manufacturing         688         688         568         0         *         0         D         0         D         0         D           325         Chemicals         18,499         162,888         111,832         1,681         1,110         542         3,288         37         11,975         3,513         2,812           325110         Petrochemicals         9,999         27,625         9,334         0         0         0         0         9,577         0         3,512         3,512         1,014         2,727         0         865         0         1,219         321         1,786         3,512         1,158         96         0         0         0         0         4,507         0         3,782         1,786         1,787         0         865         0         1,219         321         1,786         3,281         1,178         1,061         1,074         1,178         8,212         1,18         96         0         0         0         1,219         328         1,581         1,581         1,178         1,278         1,361         299         0         0         0         0         0         0         0 </td <td>324122</td> <td>Asphalt Shingle and Coating Materials</td> <td>824</td> <td>812</td> <td>672</td> <td>16</td> <td>0</td> <td>21</td> <td>0</td> <td>D</td> <td>18</td> <td>34</td> <td>D</td>	324122	Asphalt Shingle and Coating Materials	824	812	672	16	0	21	0	D	18	34	D
165,439   165,439   162,888   111,832   1,681   1,110   542   3,288   37   11,975   3,513   28,911   1,915   3,513   28,911   2,5110   Petrochemicals   9,059   8,961   7,578   0   0   0   0   0   0   0   0   0	324191	Petroleum Lubricating Oil and Grease Manufacturing	800	798	640	14	30	0	D	0	D	21	70
325110   Petrochemicals   9,059   8,961   7,578   0   0   0   0   0   0   921   0   462     325120   Industrial Gases   27,999   27,625   9,334   0   0   0   0   0   0   0   4,507   Q   13,762     325180   Other Basic Inorganic Chemical Manufacturing   26,955   26,855   20,901   1,042   727   0   865   0   1,219   321   1,780     325193   Ethyl Alcohol   10,764   10,764   8,212   158   96   0   Q   0   219   288   1,592     325194   Cyclic Crudes, Intermediate and Gum and Wood Chemicals   5,844   5,843   5,446   D   0   0   * D   0   0   0   0   D   319     325195   All Other Basic Organic Chemical Manufacturing   19,780   18,732   13,661   299   D   D   637   0   839   851   2,327     325211   Plastics Materials and Resins   20,617   20,596   17,246   141   0   0   0   586   0   1,038   321   1,263     325212   Synthetic Rubber   1,278   1,262   726   D   26   D   26   0   83   1   31   D   387     325212   Artificial and Synthetic Fibers and Filaments   2,384   2,377   1,923   0   4   0   0   0   0   0   0   0   0	324199	All Other Petroleum and Coal Products Manufacturing	688	688	568	0	*	0	D	0	D	0	D
325120         Industrial Gases         27,999         27,625         9,334         0         0         0         0         4,507         Q         13,762           325180         Other Basic Inorganic Chemical Manufacturing         26,955         26,855         20,901         1,042         727         0         865         0         1,219         321         1,780           325193         Ethyl Alcohol         10,764         10,764         10,764         8,212         158         96         0         Q         0         219         288         1,592           325194         Cyclic Crudes, Intermediate and Gum and Wood Chemicals         5,844         5,843         5,446         D         0         0         0         0         0         D         0         0         0         0         0         D         0	325	Chemicals	165,439	162,888	111,832	1,681	1,110	542	3,288	37	11,975	3,513	28,911
325180         Other Basic Inorganic Chemical Manufacturing         26,955         26,855         20,901         1,042         727         0         865         0         1,219         321         1,780           325193         Ethyl Alcohol         10,764         10,764         10,764         8,212         158         96         0         Q         0         219         288         1,592           325194         Cyclic Crudes, Intermediate and Gum and Wood Chemicals         5,844         5,843         5,466         D         0	325110	Petrochemicals	9,059	8,961	7,578	0	00	0	0	0	921	0	462
325193   Ethyl Alcohol   10,764   10,764   10,764   8,212   158   96   0   Q   0   219   288   1,592   1,593	325120	Industrial Gases	27,999	27,625	9,334	0	00	0	0	0	4,507	Q	13,762
325194         Cyclic Crudes, Intermediate and Gum and Wood Chemicals         5,844         5,843         5,446         D         0         *         D         0         0         0         D         319           325199         All Other Basic Organic Chemical Manufacturing         19,780         18,732         13,661         299         D         D         637         0         839         851         2,327           325211         Plastics Materials and Resins         20,617         20,596         17,246         141         0         0         586         0         1,381         12,1         1,232           325212         Synthetic Rubber         1,278         1,262         776         D         26         0         83         1         31         D         387           325212         Artificial and Synthetic Rubber         2,384         2,377         1,923         0         4         0         0         0         271         99         79           325312         Nitrogenous Fertilizers         5,248         5,247         4,288         *         D         D         D         0         0         465         D         190           325312         Phosphatic Fertilizers </td <td>325180</td> <td>Other Basic Inorganic Chemical Manufacturing</td> <td>26,955</td> <td>26,855</td> <td>20,901</td> <td>1,042</td> <td>727</td> <td>0</td> <td>865</td> <td>0</td> <td>1,219</td> <td>321</td> <td>1,780</td>	325180	Other Basic Inorganic Chemical Manufacturing	26,955	26,855	20,901	1,042	727	0	865	0	1,219	321	1,780
325199         All Other Basic Organic Chemical Manufacturing         19,780         18,732         13,661         299         D         D         637         0         839         851         2,327           325211         Plastics Materials and Resins         20,617         20,596         17,246         141         0         0         586         0         1,038         321         1,263           325212         Synthetic Rubber         1,278         1,262         726         D         26         0         83         1         31         D         387           325212         Artificial and Synthetic Fibers and Filaments         2,384         2,377         1,923         0         4         0         0         0         271         99         79           325312         Phosphatic Fertilizers         5,248         5,247         4,288         *         D         D         D         0         6         0         0         271         99         79           325412         Phosphatic Fertilizers         2,857         2,854         2,254         *         *         0         0         0         6         5         D         25         0         0         0	325193	Ethyl Alcohol	10,764	10,764	8,212	158	96	0	Q	0	219	288	1,592
325211         Plastics Materials and Resins         20,617         20,596         17,246         141         0         0         586         0         1,038         321         1,263           325212         Synthetic Rubber         1,278         1,262         726         D         26         0         83         1         31         D         387           325210         Artificial and Synthetic Fibers and Filaments         2,384         2,377         1,923         0         4         0         0         0         271         99         79           325311         Nitrogenous Fertilizers         5,248         5,247         4,288         *         D         D         D         0         6         D         D         190           325412         Phosphatic Fertilizers         2,857         2,854         2,254         *         *         0         0         0         6         D         D         D           325412         Pharmaceuticals and Medicines         13,408         12,564         8,028         35         D         521         D         27         889         218         2,627           325412         Pharmaceutical snd Medicines         6,453	325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	5,844	5,843	5,446	D	0	*	D	0	0	D	319
325212         Synthetic Rubber         1,278         1,262         726         D         26         0         83         1         31         D         387           325220         Artificial and Synthetic Fibers and Filaments         2,384         2,377         1,923         0         4         0         0         0         271         99         79           325311         Nitrogenous Fertilizers         5,248         5,247         4,288         *         D         D         D         10         6         D         190           325312         Phosphatic Fertilizers         2,857         2,854         2,254         *         *         0         0         0         465         D         D           325412         Pharmaceuticals and Medicines         13,408         12,564         8,028         35         D         51         D         27         869         218         2,627           325412         Pharmaceutical Preparation         6,453         6,054         3,747         35         *         433         43         27         469         177         1,123           32592         Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing         708 <td< td=""><td>325199</td><td>All Other Basic Organic Chemical Manufacturing</td><td>19,780</td><td>18,732</td><td>13,661</td><td>299</td><td>D</td><td>D</td><td>637</td><td>0</td><td>839</td><td>851</td><td>2,327</td></td<>	325199	All Other Basic Organic Chemical Manufacturing	19,780	18,732	13,661	299	D	D	637	0	839	851	2,327
325220     Artificial and Synthetic Fibers and Filaments     2,384     2,377     1,923     0     4     0     0     0     271     99     79       325311     Nitrogenous Fertilizers     5,248     5,247     4,288     *     D     D     D     10     6     D     190       325312     Phosphatic Fertilizers     2,857     2,854     2,254     *     *     0     0     0     465     D     D     D       3254     Pharmaceuticals and Medicines     13,408     12,564     8,028     35     D     521     D     27     89     218     2,627       325412     Pharmaceutical Preparation     6,453     6,054     3,747     35     *     433     43     27     469     177     1,123       32592     Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing     708     706     514     0     *     0     0     0     37     70     84	325211	Plastics Materials and Resins	20,617	20,596	17,246	141	0	0	586	0	1,038	321	1,263
325311         Nitrogenous Fertilizers         5,248         5,247         4,288         *         D         D         D         10         6         D         190           325312         Phosphatic Fertilizers         2,857         2,854         2,254         *         *         0         0         0         465         D         D           3254         Pharmaceuticals and Medicines         13,408         12,564         8,028         35         D         521         D         27         889         218         2,627           325412         Pharmaceutical Preparation         6,453         6,054         3,747         35         *         433         43         27         469         177         1,123           32592         Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing         708         706         514         0         *         0         0         0         37         70         84	325212	Synthetic Rubber	1,278	1,262	726	D	26	0	83	1	31	D	387
325312   Phosphatic Fertilizers   3,446   3,247   4,268   1	325220	Artificial and Synthetic Fibers and Filaments	2,384	2,377	1,923		4	0	0	0	271	99	79
2512   Pharmaceuticals and Medicines   2,607   2,504   2,207   2,504   2,207   2,504   2,207   2,504   2,207   2,504	325311	Nitrogenous Fertilizers	5,248	5,247	4,288	*	D	D	D	10	6	D	190
325412         Pharmaceutical Preparation         6,453         6,054         3,747         35         *         433         43         27         469         177         1,123           325992         Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing         708         706         514         0         *         0         0         0         37         70         84	325312	Phosphatic Fertilizers	2,857	2,854	2,254	*	*	0	0	0	465	D	D
325992 Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing 708 706 514 0 * 0 0 0 37 70 84	3254	Pharmaceuticals and Medicines	13,408	12,564	8,028	35	D	521	D	27	889	218	2,627
	325412	Pharmaceutical Preparation	6,453	6,054	3,747	35	*	433	43	27	469	177	1,123
326 Plastics and Rubber Products 70,449 70,120 40,522 Q Q 0 Q 6,613 4,384 15,273	325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	708	706	514	0	*	0	0	0	37	70	84
	326	Plastics and Rubber Products	70,449	70,120	40,522	Q	Q	0	Q	Q	6,613	4,384	15,273

327	Nonmetallic Mineral Products	61,865	61,357	27,598	548	1,086	53	1,265	103	3,050	Q	10,784
327120	Clay Building Material and Refractories	1,486	1,481	921	19	0	0	20	*	164	91	267
327211	Flat Glass	1,572	1,572	1,272	189	2	53	0	34	Q	0	*
327212	Other Pressed and Blown Glass and Glassware	1,919	1,670	1,317	51	*	0	0	0	154	1	147
327213	Glass Containers	3,449	3,449	3,014	0	0	0	65	0	0	14	356
327215	Glass Products from Purchased Glass	3,708	3,701	2,941	20	Q	0	Q	34	255	69	300
327310	Cements	13,007	13,007	7,262	0	827	0	1,016	0	1,717	0	2,184
327410	Lime	1,371	1,371	764	16	55	0	0	0	31	72	433
327420	Gypsum	1,826	1,826	1,573	0	0	0	0	0	D	0	D
327993	Mineral Wool	4,140	3,893	2,570	101	16	0	0	0	Q	331	Q
331	Primary Metals	99,754	99,350	79,726	619	1,037	272	4,693	32	1,902	4,343	6,726
331110	Iron and Steel Mills and Ferroalloys	54,761	54,548	44,939	30	670	0	3,477	0	873	1,236	3,323
3312	Steel Products from Purchased Steel	5,582	5,564	D	Q	55	225	39	D	216	D	950
3313	Alumina and Aluminum Production and Processing	19,795	19,786	D	120	36	1	998	D	168	D	352
331314	Secondary Smelting and Alloying of Aluminum	552	545	402	0	34	1	0	0	11	D	D
331315	Aluminum Sheet, Plate and Foils	6,166	6,166	4,982	0	0	0	998	D	138	D	D
331318	Other Aluminum Rolling, Drawing and Extruding	2,070	2,068	1,600	120	2	0	0	0	19	52	276
3314	Nonferrous Metal (except Aluminum) Production and Processing	9,800	9,748	7,390	406	45	0	63	0	452	155	1,237
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	4,523	4,523	3,518	0	19	0	1	0	385	Q	595
3315	Foundries	9,815	9,703	7,667	45	232	46	116	0	193	541	864
331511	Iron Foundries	4,712	4,703	3,939	0	212	0	63	0	60	Q	245
331523	Nonferrous Metal Die-Casting Foundries	2,031	2,030	1,488	*	4	46	Q	0	101	72	301
331524	Aluminum Foundries, except Die-Casting	566	564	414	Q	15	0	Q	0	0	8	103
332	Fabricated Metal Products	42,093	41,858	28,576	D	Q	D	Q	D	D	Q	6,633
333	Machinery	21,997	21,506	12,899	Q	106	0	Q	Q	1,226	1,009	3,485
334	Computer and Electronic Products	27,584	27,190	10,291	306	Q	1,536	Q	Q	Q	5,495	4,316
334413	Semiconductors and Related Devices	13,631	13,386	3,723	306	0	1,482	Q	0	444	4,872	2,479
335	Electrical Equip., Appliances, and Components	11,784	11,436	7,177	Q	Q	Q	523	Q	1,577	0	1,411
336	Transportation Equipment	46,361	45,350	26,708	Q	203	D	Q	D	D	1,975	4,542
336110	Automobile and Light Duty Motor Vehicle Manufacturing	7,991	7,847	4,389	0	1	D	0	D	D	1,015	473
3364	Aerospace Product and Parts	9,563	9,156	5,470	Q	192	681	37	3	895	Q	1,212
336411	Aircraft	2,648	2,470	1,465	0	D	D	0	0	239	0	174
337	Furniture and Related Products	Q	Q	2,740	Q	Q	0	*	Q	314	Q	936
339	Miscellaneous	9,632	9,317	6,482	Q	10	0	154	Q	429	Q	Q
	Total	811,473	794,011	529,281	16,706	8,533	4,405	16,989	1,391	61,101	43,576	112,029

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

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because relative standard error (RSE) is greater than 50%.

NA=Not available.

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).

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

<sup>a</sup> The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

<sup>&</sup>lt;sup>b</sup> The environmental restrictions related to air quality limiting the amount of the usable alternative fuel that could be used instead.

c Long-term contracts are typically with a utility or third-party supplier such as an energy broker and require the purchase of fuel for an extended amount of time.

<sup>&</sup>lt;sup>d</sup> The storage of usable alternative fuels is not available due to the potential environmental impact of storage tanks.

<sup>\*</sup> Estimate less than 0.5.

## RSE Table 10.20 Relative standard errors for table 10.20 Unit: Percentage

## Non switchable amount attributed to:

		Total amount of	Total amount of	Equipment is not	Switching	Unavailable		Long-term	Unavailable			
NAICS		electricity	unswitchable	capable of using	adversely affects	alternative	Environmental	contract	storage for	Another	Combinations of	Don't know/
code <sup>a</sup>	Subsector and industry	consumed as fuel	electricity fuel use	another fuel	the products	fuel supply	restrictions <sup>b</sup>	in place <sup>c</sup>	alternative fuels <sup>d</sup>	reason	cols. F, G, H, I, J, and K	didn't answer
	Total United States											
311	Food	3.2	3.3	3.9	18.6	14.4	57.4	45.3	27.7	24.1	10.7	
3112	Grain and Oilseed Milling	2.9	3.1	3.9	6.9	38.2	64.7	0.0	X	17.8	0.0	
311221 31131	Wet Corn Milling and Starch Manufacturing	0.0	0.0	0.0	X 0.0	X	X	X	X 0.0	0.0	0.0	
31131	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Food	3.0	3.0	3.9	19.1	87.7	X	45.2	58.6	19.8	10.0	
3114	Dairy Product Manufacturing	4.0	4.2	5.5	75.9	93.8	X	29.0	31.0	19.8	8.3	
3116	Animal Slaughtering and Processing	4.0	4.1	5.7	29.2	8.5	62.3	0.0	43.0	15.4	11.5	
312	Beverage and Tobacco Products	17.9	18.7	5.3	80.6	69.9	96.6	30.4	51.0	57.7	20.7	
3121	Beverages	18.8	19.7	5.8	80.7	70.1	96.6	30.4	51.0	64.1	20.7	
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	X	X	X	0.0	X	0.0
313	Textile Mills	6.5	6.6	7.7	26.6	5.7	X	0.0	X	53.9	52.2	19.7
314	Textile Product Mills	13.3	13.3	17.1	37.1	X	X	63.7	X	27.5	X	
315	Apparel	11.4	11.4	13.3	61.7	73.3	X	31.9	X	36.9	X	31.7
316	Leather and Allied Products	4.9	4.9	4.6	43.6	33.2	X	93.3	16.6	23.6	21.5	15.9
321	Wood Products	6.1	6.6	8.2	21.5	18.7	39.4	4.2	55.9	9.9	22.2	13.9
321113	Sawmills	1.9	2.2	2.7	36.5	11.8	33.6	1.6	0.0	12.6	12.6	7.6
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	2.7	2.7	3.2	3.6	59.5	0.0	0.0	87.5	18.8	11.4	5.0
321219	Reconstituted Wood Products	3.2	3.2	3.6	0.0	X	X	X	X	0.0	X	0.7
3219	Other Wood Products	20.8	21.1	28.4	63.9	27.4	69.4	76.9	67.5	17.3	41.5	
322	Paper	2.4	2.5	3.5	D	25.4	D	0.0	X	5.2	8.0	
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	
322120	Paper Mills	0.0	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0	
322130	Paperboard Mills	0.0	0.0	0.0	D	0.0	D	0.0	X	0.0	0.0	
323	Printing and Related Support	12.3	10.7	14.0	63.7	63.4	X	96.2	86.0	9.2	58.4	
324	Petroleum and Coal Products	0.1	0.1	0.1	4.8	9.1	0.1	1.4	3.4	0.2	3.1	
324110	Petroleum Refineries	0.0	0.0	0.0	X	D	D	0.0	X	0.0	X	
324121	Asphalt Paving Mixture and Block	3.9	3.9	5.7	5.5	D	D	D	D	10.3	14.3	
324122	Asphalt Shingle and Coating Materials	1.1	1.1	1.3 1.9	0.0	X 2.4	0.0 X	X D	DX	6.4 D	0.0	
324191 324199	Petroleum Lubricating Oil and Grease Manufacturing	1.6	1.6	0.0	0.0 X	0.0	x	D	x	D	0.0	
324199	All Other Petroleum and Coal Products Manufacturing Chemicals	3.1	3.1	2.0	3.6	10.4	0.0	4.2	28.4	5.4	X 10.7	
325110	Petrochemicals	0.0	0.0	0.0	X	X	X	4.2 X	X	0.0	X	0.0
325120	Industrial Gases	16.0	16.2	1.5	X	^_	X		X	3.0	95.0	
325180	Other Basic Inorganic Chemical Manufacturing	2.8	2.7	2.6	2.2	2.6	X	1.7	X	9.8	0.0	
325193	Ethyl Alcohol	2.6	2.6	3.0	19.3	27.3	X	66.0	X	0.0	28.4	
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	D	X	0.0	D	X	X	D	0.0
325199	All Other Basic Organic Chemical Manufacturing	2.3	2.4	3.2	0.0	D	D	5.9	X	12.0	17.5	
325211	Plastics Materials and Resins	4.0	4.0	4.8	33.3	X	X	0.0	X	14.9	6.4	
325212	Synthetic Rubber	0.5	0.5	0.0	D	0.0	X	0.0	0.0	0.0	D	0.0
325220	Artificial and Synthetic Fibers and Filaments	2.2	2.2	2.7	X	0.0	X	X	X	0.0	0.0	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	D	D	D	0.0	0.0	D	0.0
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	X	0.0	D	D
3254	Pharmaceuticals and Medicines	5.1	5.4	7.7	21.3	D	0.0	D	39.6	18.7	0.0	11.8
325412	Pharmaceutical Preparation	4.8	5.0	3.9	21.3	96.5	0.0	14.1	39.6	27.2	0.0	
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	0.0	0.0	X	0.0	X	X	X	0.0	0.0	0.0
326	Plastics and Rubber Products	18.6	18.7	29.9	56.9	68.8	X	97.6	99.0	29.0	45.1	
327	Nonmetallic Mineral Products	26.5	26.7	3.3	13.6	7.9	0.0	0.1	26.5	9.6	94.4	
327120	Clay Building Material and Refractories	2.5	2.5	2.5	0.0	X	X	0.0	85.2	9.4	12.2	
327211	Flat Glass	1.2	1.2	1.1	0.0	0.0	0.0	X	0.0	53.2	X	
327212	Other Pressed and Blown Glass and Glassware	0.7	0.9	1.1	6.8	93.4	X	X	X	0.8	28.0	
327213	Glass Containers	0.1	0.1	0.1	X	X	X	0.0	X	X	0.0	0.0

327215	Glass Products from Purchased Glass	2.1	2.1	1.7	34.1	72.3	х	83.8	18.3	1.2	3.6	8.8
327310	Cements	6.1	6.1	10.7	X	0.0	X	0.0	X	11.2	X	0.1
327410	Lime	0.0	0.0	0.0	0.0	0.0	X	X	Х	0.0	0.0	0.0
327420	Gypsum	3.7	3.7	4.2	Х	Х	Х	X	Х	D	X	D
327993	Mineral Wool	13.1	14.0	2.3	0.0	6.5	Х	Х	Х	84.3	0.0	63.4
331	Primary Metals	0.2	0.3	0.3	4.1	1.3	0.0	0.5	28.1	3.1	3.0	1.2
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	X	0.0	Х	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	3.4	3.5	D	65.3	0.0	0.0	24.2	D	6.6	D	3.7
3313	Alumina and Aluminum Production and Processing	0.2	0.2	D	0.0	1.6	0.0	0.0	D	3.7	D	2.4
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	X	0.0	0.0	X	Х	0.0	D	D
331315	Aluminum Sheet, Plate and Foils	0.5	0.5	0.6	Х	Х	Х	0.0	D	0.0	D	D
331318	Other Aluminum Rolling, Drawing and Extruding	1.4	1.4	1.8	0.0	36.1	Х	X	Х	32.9	19.1	3.1
3314	Nonferrous Metal (except Aluminum) Production and Processing	0.9	0.9	1.0	4.7	24.3	Х	15.1	Х	12.1	3.9	4.4
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	0.1	0.1	X	0.0	Х	0.0	Х	0.0	89.1	0.2
3315	Foundries	1.3	1.3	1.0	27.9	3.4	0.0	17.8	Х	9.1	18.4	5.2
331511	Iron Foundries	2.3	2.3	1.2	X	3.8	Х	27.7	Х	25.4	53.5	16.8
331523	Nonferrous Metal Die-Casting Foundries	2.3	2.3	3.0	0.0	15.4	0.0	67.0	X	1.3	3.6	2.9
331524	Aluminum Foundries, except Die-Casting	3.5	3.5	3.0	51.8	0.0	X	86.6	Х	X	3.4	10.8
332	Fabricated Metal Products	15.4	15.5	22.0	D	64.6	D	64.9	D	D	51.0	24.1
333	Machinery	11.1	11.3	12.4	53.5	49.3	X	93.0	97.1	27.7	43.5	23.9
334	Computer and Electronic Products	15.3	15.5	11.4	0.0	60.6	3.5	75.3	52.6	81.0	6.5	13.8
334413	Semiconductors and Related Devices	2.2	2.2	5.7	0.0	Х	0.0	86.4	Х	33.9	0.0	8.4
335	Electrical Equip., Appliances, and Components	10.1	10.4	14.4	98.2	66.3	88.9	31.1	87.7	21.0	X	27.5
336	Transportation Equipment	6.3	6.4	8.7	80.7	11.6	D	53.7	D	D	15.0	15.9
336110	Automobile and Light Duty Motor Vehicle Manufacturing	1.1	1.1	1.5	X	0.0	D	X	D	D	5.8	0.7
3364	Aerospace Product and Parts	5.3	5.6	3.4	80.7	11.0	0.4	43.9	0.0	40.1	54.4	7.3
336411	Aircraft	5.6	6.0	8.8	X	D	D	X	X	0.3	X	42.9
337	Furniture and Related Products	50.9	51.9	14.7	95.7	56.9	X	0.0	74.8	43.1	54.6	27.9
339	Miscellaneous	16.4	16.9	21.3	56.5	21.1	X	8.1	65.6	40.1	53.5	52.7
	Total	3.0	3.0	2.8	32.8	11.0	3.4	11.9	23.3	8.4	36.9	7.4

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