FEDERAL RESERVE statistical release

G.17 (419) Supplemental Tables

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INDUSTRIAL PRODUCTION AND CAPACITY UTILIZATION

The attached tables contain detail on industrial production, capacity, and utilization that are not contained in the G.17 release. Historical data for these series are available on the Board's website (www.federalreserve.gov/releases/g17/download.htm).

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Table 1A
Industrial Production: Industry Subtotals and Individual Series

Item	NAICS	2022 IP Proportion[1]	Index, 2017 = 100											
			Seasonally adjusted						Not seasonally adjusted					
			2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]	2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]
Oil and gas extraction	**211**	11.05	136.1	138.1	138.2	138.8	138.4	138.9	136.1	138.9	138.5	138.4	137.7	137.4
Crude oil	21112	7.87	133.3	135.5	135.2	135.9	135.2	135.7	133.9	136.5	135.5	135.3	134.2	134.0
Natural gas and natural gas liquids	21113	3.18	145.9	147.6	148.8	149.2	150.2	150.5	144.5	147.9	149.6	149.9	150.5	150.1
Natural gas	21113pt.	2.09	138.0	139.8	139.5	140.4			138.0	139.6	139.6	140.3		
Natural gas liquids	21113pt.	1.09	163.9	165.4	169.6	169.1	172.7	170.9	159.4	166.5	171.4	170.9	174.4	170.8
Mining (except oil and gas)	**212**	2.07	88.6	86.4	91.5	87.4	86.9	89.5	80.4	81.2	90.8	91.8	92.7	95.6
Coal mining	2121	.56	76.7	79.2	82.3	73.8	74.0	78.6	78.0	78.6	80.5	75.1	75.5	77.6
Metal ore mining	2122	.69	85.6	82.7	90.9	85.6	84.2	87.0	86.4	82.1	89.9	84.9	85.0	87.9
Iron ore mining	21221	.06	102.1	103.2	112.8				106.6	102.7	112.3			
Gold ore and silver ore mining	21222	.18	71.7	67.5	74.0	73.3	69.2	69.6	68.5	65.6	72.8	70.9	69.2	68.7
Copper, nickel, lead, and zinc mining	21223	.27	95.5	91.5	100.1	93.1	93.1	96.7	96.5	90.5	97.7	92.9	95.0	99.4
Nonmetallic mineral mining and quarrying	2123	.82	101.5	95.9	99.5	100.6	100.3	101.0	75.9	81.9	99.8	112.1	113.9	117.6
Support activities for mining	**213**	2.07	96.4	95.0	95.3	93.2	89.5	88.1	97.0	96.5	97.2	94.4	89.8	87.7
Drilling oil and gas wells	213111	.51	101.9	103.9	105.3	104.5	101.5	99.7	105.9	106.3	108.5	106.9	102.0	99.4
Electric power generation, transmission and distribution	**2211**	8.89	100.0	104.8	103.3	102.3	98.8	105.4	96.6	95.9	88.3	94.7	105.5	124.8
Electric power generation	22111	4.30	96.2	102.0	98.5	98.5	95.3	101.7	95.8	91.4	85.1	92.0	103.4	119.4
Hydroelectric, renewables and other power generation	221111,4–8	.58	117.5	112.9	105.9	118.4	111.6	117.0	125.3	122.6	121.1	132.6	121.5	113.6
Hydroelectric power generation	221111	.27	77.5	74.4	66.3	96.0			83.8	80.5	72.9	110.3		
Renewables and other power generation	221114–8	.31	186.1	178.8	173.7	156.3			197.7	195.9	205.0	171.6		
Fossil fuel power generation	221112	2.42	92.6	103.1	98.6	97.2			88.3	84.9	77.7	84.9		
Nuclear electric power generation	221113	1.30	94.7	95.9	95.4	93.5			98.5	91.9	85.4	89.9		
Electric power transmission, control, and distribution	22112	4.59	103.7	107.7	108.1	106.1	102.2	109.1	97.4	100.3	91.6	97.4	107.6	130.3
Commercial and other electricity sales	22112pt.	1.71	108.3	111.3	108.7	109.9			98.5	104.9	98.0	106.6		
Industrial electricity sales	22112pt.	.75	101.2	102.3	99.7	101.3			92.6	100.1	96.3	102.4		
Residential electricity sales	22112pt.	2.12	100.8	106.6	110.7	104.7			98.4	96.7	84.4	87.9		
Natural gas distribution	**2212**	1.58	103.7	118.6	110.2	111.2	110.9	108.6	163.9	156.7	97.1	71.2	58.2	58.0
Commercial and other gas sales	2212pt.	.28	100.0	114.5	104.7	106.6			160.6	154.8	96.0	68.9		
Industrial gas sales	2212pt.	.08	120.7	127.8	126.8	127.7			113.3	121.0	112.3	118.8		
Residential gas sales	2212pt.	.82	96.7	114.9	102.5	102.5			185.6	171.9	91.7	53.3		
Gas transmission	2212pt.	.39	112.2	121.1	121.4	123.6			130.6	133.3	107.1	102.3		
Food	**311**	9.29	105.6	104.3	104.6	104.3	102.0	101.7	104.6	104.0	103.3	102.4	102.6	101.2
Animal food	3111	.68	102.5	99.4	101.5	102.0	99.4	99.2	102.2	98.9	100.2	100.0	98.4	100.2
Grain and oilseed milling	3112	.70	103.1	106.4	108.3	110.2	107.6	104.6	103.6	108.3	107.6	108.6	107.1	103.7
Sugar and confectionery product	3113	.47	113.2	116.0	121.2	115.4	113.1	113.1	113.1	113.6	112.4	103.3	103.0	101.1
Fruit and vegetable preserving and specialty food	3114	.98	102.0	100.6	96.7	97.6	94.7	90.7	95.6	94.9	90.1	92.4	94.3	96.5
Dairy product	3115	1.14	107.9	106.6	105.6	106.3	106.3	106.7	110.1	110.8	110.9	110.0	109.3	106.1
Dairy product (except frozen)	31151	1.02	107.2	106.6	105.3	106.4	105.9	106.5	109.6	110.0	109.6	109.3	107.3	104.7
Fluid milk	311511	.37	102.9	102.7	101.9	102.4	101.9		104.4	105.4	105.5	105.5	103.6	
Creamery butter	311512	.03	126.6	128.5	143.5	131.0	128.3		149.1	143.5	153.1	136.0	118.3	
Cheese	311513	.44	119.8	119.1	116.9	118.2	118.3		119.7	121.0	118.6	118.0	118.5	
Dry, condensed, and evaporated dairy product	311514	.18	90.3	88.8	86.3	89.5	88.4		96.3	95.0	96.1	97.4	92.3	
Ice cream and frozen dessert	31152	.12	115.1	107.6	109.5	106.9	110.5		114.6	117.1	121.9	116.6	127.4	
Animal slaughtering and processing	3116	2.27	105.0	103.9	103.2	104.4	102.5	102.5	105.1	105.0	102.3	101.2	104.4	98.2
Animal (except poultry) slaughtering and meat	311611–3	1.49	102.2	102.4	99.1	101.7	99.9	99.4	102.6	103.9	99.0	97.8	101.4	94.0
Beef	311611–3pt.	.93	99.4	98.4	94.2	97.0	96.0		97.5	98.6	94.2	94.5	99.6	
Pork	311611–3pt.	.54	106.0	108.2	106.7	109.0	105.9		110.5	112.2	106.1	102.4	103.4	
Miscellaneous meats	311611–3pt.	.01	107.5	107.8	103.3	108.8	105.1		107.7	113.8	113.1	105.1	104.2	
Poultry processing	311615	.78	109.7	106.2	111.0	108.7	106.9		109.5	106.4	108.5	107.5	109.8	
Bakeries and tortilla	3118	1.20	105.8	104.1	104.2	105.8	102.0	102.2	104.8	103.2	103.2	104.9	102.7	102.1
Other food	3119	1.77	111.1	108.1	110.9	106.0	103.7	105.6	109.3	107.2	110.3	106.3	104.6	106.3
Coffee and tea	31192	.12	94.1	91.8	93.9	90.4	88.6	89.5	92.7	90.7	93.5	90.4	89.0	90.4
Beverage and tobacco product	**312**	2.62	95.2	92.8	95.8	93.4	94.3	95.2	97.8	99.2	96.8	94.9	101.7	88.1
Beverage	3121	1.56	110.6	108.1	110.5	106.4	108.2	109.7	107.7	112.5	112.0	108.9	116.6	105.6
Soft drink and ice	31211	.46	103.4	100.8	100.9	100.1	101.7	104.0	101.7	100.6	102.9	101.8	103.1	105.7
Breweries	31212	.45	92.8	93.3	93.6	82.6			86.3	99.0	97.6	87.6		
Tobacco	3122	1.06	76.7	74.4	78.1	77.3	77.4	77.6	85.0	82.7	78.4	77.7	83.6	67.7
Textile mills	**313**	.30	80.8	82.6	84.0	82.6	79.7	82.6	80.6	82.5	84.8	83.0	80.8	80.4
Fiber, yarn, and thread mills	3131	.05	67.6	70.5	73.0	72.2	69.9	71.9	67.8	70.5	73.2	72.4	70.9	70.0
Fabric mills	3132	.16	82.8	83.7	83.9	81.9	79.1	82.2	82.6	84.0	85.1	82.2	79.8	79.9
Textile and fabric finishing and fabric coating	3133	.08	86.7	89.6	92.4	91.7	88.2	91.5	86.2	88.5	93.0	92.6	90.4	89.2
Textile product mills	**314**	.28	88.6	88.6	85.9	87.7	86.0	88.0	85.2	88.8	88.8	86.9	89.2	91.3
Textile furnishings mills	3141	.13	77.4	77.6	75.8	75.9	74.3	75.2	73.1	77.0	80.3	73.7	79.8	81.3
Carpet and rug mills	31411	.08	71.0	70.3	69.1	68.2	67.5	67.7	65.6	69.7	76.6	65.5	75.1	75.4
Other textile product mills	3149	.14	101.7	101.6	97.6	101.6	99.6	103.0	99.3	102.6	98.8	102.3	100.2	103.0

r Revised. p Preliminary.

1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.

Table 1B
Industrial Production: Industry Subtotals and Individual Series

Item	NAICS	2022 IP Proportion[1]	Index, 2017 = 100											
			Seasonally adjusted						Not seasonally adjusted					
			2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]	2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]
Apparel	**315**	.12	91.1	92.9	91.5	89.1	85.9	84.4	92.0	93.6	90.6	88.7	87.8	83.2
Leather and allied product	**316**	.06	107.9	108.2	111.6	109.4	109.7	112.7	107.6	109.3	114.4	113.7	111.9	113.3
Wood product	**321**	1.83	95.3	95.4	95.3	95.2	96.8	96.1	94.5	96.5	96.9	96.0	100.0	95.6
Sawmills and wood preservation	3211	.54	94.0	97.9	99.0				97.2	100.4	104.0			
Plywood and misc. wood products	3212,9	1.29	95.9	94.5	93.8	94.4	94.0	92.3	93.5	95.1	94.1	95.8	97.1	92.0
Veneer, plywood, and engineered wood product	3212	.41	79.8	79.4	79.7	78.3	77.1	77.1	77.9	81.5	78.6	80.3	82.3	76.1
Veneer and plywood	321211,2	.11	75.3	75.6	76.1	76.3	76.0	75.3	76.4	85.7	70.9	78.8	83.8	67.0
Reconstituted wood product	321219	.13	65.4	64.0	65.1	62.8	61.5	61.3	64.9	65.9	67.8	64.0	65.9	62.6
Other wood product	3219	.88	104.8	102.8	101.6	103.3	103.3	100.6	102.1	102.6	102.6	104.4	105.3	100.8
Millwork	32191	.46	107.8	105.6	103.7	105.2	103.8	101.0	103.5	104.1	104.3	106.0	105.9	103.8
Wood container and pallet	32192	.16	92.8	94.2	93.9	93.9	93.2	90.2	92.4	94.2	92.6	93.7	92.8	89.6
All other wood product	32199	.26	107.4	103.0	102.4	105.9	109.3	107.2	106.0	105.1	106.2	108.4	112.9	102.3
Manufactured home	321991	.08	70.2	67.1	69.6	73.0	75.0		73.5	73.3	74.1	75.7	81.8	
Paper	**322**	2.37	87.5	88.0	86.3	87.0	85.9	85.4	87.9	88.3	86.7	86.9	86.4	84.6
Pulp, paper, and paperboard mills	3221	1.08	81.0	82.1	79.4	80.6	78.6	78.3	81.7	82.0	79.6	80.7	78.4	78.6
Pulp mills	32211	.11	101.7	102.9	99.0	103.0	96.8		102.1	100.9	98.6	102.3	98.3	
Paper mills	32212	.49	75.9	76.3	75.6	74.9	74.1	73.2	77.8	77.2	76.1	74.4	73.0	72.4
Paper (except newsprint) mills	322121	.48	76.2	76.6	75.9				78.2	77.5	76.5			
Paperboard mills	32213	.49	84.1	85.9	81.1	84.0	81.3		83.4	85.1	81.1	84.8	81.8	
Converted paper product	3222	1.29	93.8	93.7	93.0	93.2	93.1	92.2	94.0	94.5	93.5	92.9	94.4	90.5
Paperboard container	32221	.66	90.6	90.1	87.7	88.1	89.3		89.8	91.1	88.8	88.5	92.3	
Paper bag and coated and treated paper	32222	.27	81.3	81.3	80.0	82.0	77.6	79.4	82.3	82.0	81.7	81.8	76.3	77.5
Other converted paper products	32223,9	.37	111.6	112.2	115.6	114.2	114.7	114.8	113.4	112.7	114.0	112.3	114.2	114.5
Printing and related support activities	**323**	1.28	86.7	86.5	85.9	85.2	81.7	81.9	85.7	86.2	85.4	85.1	81.9	81.1
Petroleum and coal products	**324**	4.59	88.3	89.8	90.7	90.5	89.6	90.6	84.2	87.9	91.1	93.3	94.0	94.4
Petroleum refineries	32411	4.06	88.3	89.2	89.5	89.7	88.9	89.7	85.0	88.0	90.0	92.3	92.9	92.9
Aviation fuel and kerosene	32411pt.	.43	92.2	102.5	99.1	100.0			93.8	99.4	100.6	100.8		
Distillate fuel oil	32411pt.	1.04	81.1	79.7	80.1	81.8			77.9	77.9	79.3	83.0		
Automotive gasoline	32411pt.	1.94	87.9	88.9	89.1	88.6			85.5	88.4	89.3	91.1		
Residual fuel oil	32411pt.	.16	117.6	112.5	125.6	119.6			117.2	117.4	122.4	118.5		
Other refinery output	32411pt.	.49	93.1	93.2	93.2	94.2	92.7	93.4	80.9	90.6	98.4	102.8	104.3	105.5
Paving, roofing, and other petroleum and coal	32412,9	.53	78.7	84.3	89.5	85.8	85.0	87.3	69.1	77.0	88.6	89.7	91.3	94.3
Chemicals	**325**	11.89	104.3	103.5	103.5	102.8	103.5	103.6	104.2	103.9	103.3	103.5	103.8	103.2
Pharmaceutical and medicine	3254	4.40	118.2	119.2	120.1	119.7	119.3	119.9	117.4	119.7	119.3	121.1	120.1	118.2
Chemicals except pharmaceuticals and medicine	3251–3,5–9	7.49	96.1	94.3	93.9	93.0	94.2	94.2	96.3	94.7	94.0	93.4	94.2	94.4
Basic chemical	3251	3.13	90.5	89.8	88.4	86.7	86.3	89.0	90.3	89.4	88.3	86.5	86.4	89.0
Organic chemicals	32511,9	2.14	86.4	85.8	85.1	82.4	81.9	84.8	86.6	85.9	84.8	82.6	82.0	84.2
Basic inorganic chemicals	32512–8	.99	101.2	100.3	97.4	97.5	97.6	99.7	100.0	98.8	97.4	96.8	97.8	101.2
Industrial gas	32512	.28	132.0	129.8	126.6	126.4	125.6	129.2	129.7	128.0	127.5	125.7	126.5	131.1
Synthetic dye and pigment	32513	.08	83.4	82.0	80.2	79.5	79.2	81.5	81.1	79.7	78.9	78.7	79.5	81.9
Other basic inorganic chemical	32518	.62	93.6	93.2	90.2	90.6	90.9	92.5	92.9	91.9	90.1	89.8	90.9	94.1
Alkalies and chlorine	32518pt.	.12	75.5	75.5	65.1	67.2	69.6		74.9	73.7	64.1	66.1	69.1	
Resin, synthetic rubber, and synthetic fibers	3252	1.01	89.1	88.5	84.8	82.3	85.5	87.1	89.9	89.7	85.8	83.2	86.5	88.2
Resin and synthetic rubber	32521	.93	90.6	90.0	85.9	83.3	86.8	88.7	91.3	91.2	87.0	84.3	87.7	89.9
Plastics material and resin	325211	.85	91.4	90.8	86.5	83.9	87.7	89.9	92.2	92.3	87.7	84.9	88.6	91.2
Synthetic rubber	325212	.08	83.4	82.2	80.9	78.6	78.8	76.3	84.0	81.1	81.0	78.7	80.1	77.6
Artificial and synthetic fibers and filaments	32522	.07	72.0	71.9	71.4	70.3	70.3	68.7	72.9	72.0	72.0	70.6	71.3	68.6
Pesticide, fertilizer, and other agricultural	3253	.78	112.7	108.9	108.9	112.9	115.2	109.8	114.3	110.4	110.7	114.1	112.3	109.0
Paints, soaps and toiletries, and other chemical	3255–9	2.58	103.4	100.2	102.3	102.0	104.1	101.3	103.6	101.0	102.0	102.7	104.4	101.5
Paints and other chemical products	3255,9	1.37	108.3	102.7	102.9	102.7	107.3	103.3	108.7	103.1	102.7	103.6	107.0	104.2
Paint, coating, and adhesive	3255	.77	113.8	102.2	103.1	108.2	112.7	108.0	115.0	104.0	103.3	109.2	111.1	108.7
Paint and coating	32551	.49	107.9	96.4	97.4	102.0	106.7	102.2	108.7	98.7	98.1	103.1	104.7	103.0
Soaps and toiletries	3256	1.21	98.4	97.7	101.7	101.4	100.9	99.4	98.4	98.9	101.5	101.9	101.8	98.9
Plastics and rubber products	**326**	3.73	98.7	98.9	99.4	98.9	99.0	98.6	99.4	99.3	99.0	98.8	100.1	97.2
Plastics product	3261	3.04	98.9	99.7	99.8	100.2	100.0	99.0	99.1	99.5	99.1	99.9	100.9	99.0
Rubber product	3262	.69	97.8	95.2	97.7	93.5	94.6	96.7	100.8	98.8	98.6	94.4	97.0	89.7
Tire	32621	.30	89.5	86.0	84.2	78.5	83.5	84.4	95.3	91.4	86.8	80.2	86.2	73.7
Rubber products ex. tires	32622,9	.38	105.2	103.4	109.8	106.8	104.5	107.6	105.7	105.4	109.0	107.1	106.6	104.0

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Table 1C
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Nonmetallic mineral product	**327**	2.24	112.9	109.0	108.8	109.3	107.5	107.2	105.3	106.0	108.7	110.8	112.0	110.2
Clay, lime, gypsum, and misc. nonmetallic mineral	3271,4,9	.85	123.1	120.7	119.5	123.9	120.9	121.1	120.3	120.4	120.1	122.7	121.5	120.9
Clay and misc. nonmetallic mineral products	3271,9	.71	126.9	124.0	122.3	127.0	123.6	123.8	123.7	123.1	121.3	125.9	124.6	124.3
Clay product and refractory	3271	.16	113.6	104.3	101.8	103.6	102.2	99.7	110.4	106.1	103.0	105.2	104.3	99.3
Pottery, ceramics, and plumbing fixture	32711	.06	123.2	115.6	114.7	116.3	116.4	112.9	123.2	119.2	115.2	118.4	116.6	109.9
Clay building material and refractories	32712	.10	109.4	99.2	96.0	97.9	95.8	93.7	104.6	100.2	97.5	99.2	98.8	94.5
Other nonmetallic mineral product	3279	.55	131.4	130.7	129.2	134.9	130.9	132.0	128.2	128.9	127.5	133.0	131.4	132.7
Lime and gypsum product	3274	.14	106.0	105.6	106.5	109.4	108.1	108.2	104.9	107.8	113.9	107.9	107.6	105.5
Glass and glass product	3272	.36	85.5	84.2	83.0	84.3	86.3	84.0	85.8	84.8	82.3	84.1	86.8	83.3
Glass container	327213	.08	82.0	80.9	78.3	76.8	76.2	76.5	84.6	82.6	77.9	79.2	78.5	77.4
Cement and concrete product	3273	1.04	117.8	111.8	112.6	109.9	107.2	107.5	103.1	105.0	112.3	114.2	116.5	114.5
Cement	32731	.15	98.5	93.3	92.3	97.3			77.7	88.6	97.2	102.7		
Concrete and product	32732–9	.89	121.5	115.3	116.5	112.3	109.2	109.7	107.9	108.1	115.1	116.3	117.2	116.4
Primary metals	**331**	2.94	93.5	92.8	95.4	95.2	96.0	94.9	96.0	93.8	97.3	95.5	96.9	94.0
Iron and steel products	3311,2	1.52	94.2	93.2	95.9	97.5	98.5	97.5	96.8	94.5	98.1	98.1	100.2	97.1
Pig iron	3311,2pt.	.08	89.3	90.8	92.1	93.6	94.7	93.7	96.4	87.3	87.1	89.5	93.3	90.6
Raw steel	3311,2pt.	.09	89.5	91.9	91.2	92.0	94.1		91.8	92.5	93.0	92.1	94.6	
Coke and products	3311,2pt.	.02	96.0	96.2	96.4	96.5	96.4	96.2	97.9	98.7	99.0	97.9	95.5	94.7
Construction steel	3311,2pt.	.33	122.2	120.4	123.9	124.5	116.9		120.2	117.4	122.5	123.3	119.0	
Consumer durable steel	3311,2pt.	.23	107.7	103.0	113.4	120.5	126.1		112.0	109.1	118.3	120.7	126.2	
Can and closure steel	3311,2pt.	.02	78.6	77.5	72.5	73.2	70.1		75.5	70.0	69.6	74.2	72.9	
Equipment steel	3311,2pt.	.08	73.3	77.5	73.0	74.3	77.0		73.7	78.0	74.0	75.9	77.9	
Miscellaneous steel	3311,2pt.	.67	84.9	84.0	85.6	85.8	87.9		88.3	86.0	89.3	87.6	90.5	
Nonferrous metals	3313,4	1.01	102.3	101.3	105.7	101.2	102.4	101.5	105.6	101.8	107.9	102.1	102.4	100.2
Alumina and aluminum production and processing	3313	.39	94.8	90.5	101.9	88.1	92.4	91.9	100.0	90.0	102.7	89.7	94.2	91.2
Primary aluminum production	331313pt.	.01	88.8	89.7	90.2	91.4	92.9		90.7	91.4	92.0	92.4	92.9	
Secondary smelting and alloying of aluminum	331314	.06	103.2	98.4	104.0	99.4			112.5	96.7	104.6	98.2		
Misc. aluminum materials	331315,8pt.	.20	93.8	89.1	103.8	87.7	94.0		97.2	88.6	104.4	90.1	95.8	
Aluminum extruded product	331318pt.	.11	91.4	87.4	97.2	80.7	83.0		98.9	87.7	99.0	83.1	86.2	
Nonferrous metal (except aluminum) production and processing	3314	.62	107.7	108.9	108.7	110.4	109.5	108.4	109.8	110.2	111.8	110.8	108.4	106.7
Nonferrous metal (except aluminum) smelting and refining	33141	.16	129.0	126.8	128.9	133.2	128.5	129.2	136.2	133.6	133.6	133.0	121.0	122.9
Primary smelting and refining of copper	33141pt.	.05	145.1	144.7	159.2	156.7	145.7	148.9	156.2	149.7	151.9	149.0	141.5	150.0
Primary smelting and refining of nonferrous	33141pt.	.11	120.2	117.5	115.3	121.7			126.0	124.8	124.1	124.3		
Foundries	3315	.41	79.3	80.4	78.6	81.7	81.4	79.2	80.3	81.2	79.7	80.7	82.0	78.2
Fabricated metal product	**332**	5.88	100.3	99.5	98.9	99.6	99.6	99.2	99.9	100.2	99.1	99.8	100.5	99.3
Forging and stamping	3321	.38	86.0	83.3	82.9	81.3	81.7	79.9	86.4	84.5	84.8	82.6	83.2	79.0
Cutlery and handtool	3322	.16	102.9	102.2	102.3	106.4	102.7	103.4	103.7	102.1	103.2	106.9	104.2	101.7
Architectural and structural metals	3323	1.69	98.2	97.0	96.3	97.7	100.1	99.5	96.9	96.5	95.7	97.6	100.8	99.9
Hardware	3325	.14	100.5	98.5	99.9	99.9	96.4	92.5	101.8	99.1	101.1	98.6	96.5	93.7
Spring and wire product	3326	.17	96.8	94.8	96.4	96.5	93.1	89.3	96.6	96.8	95.8	94.6	91.9	88.2
Machine shops; turned product; and screw, nut, and bolt	3327	1.12	101.3	100.1	99.0	101.0	100.1	101.2	102.2	101.9	100.1	101.2	101.0	100.3
Coating, engraving, heat treating, and allied	3328	.47	111.6	110.8	109.1	106.9	108.7	109.2	110.6	112.8	110.4	108.7	110.0	107.8
Other fabricated metal product	3329	1.26	107.8	108.6	110.2	109.5	107.9	107.9	108.4	109.1	109.5	109.2	108.1	107.8
Ball and roller bearing	332991	.09	77.5	77.9	79.1	79.8	79.9	79.5	79.2	80.0	79.9	80.8	83.0	80.2
Machinery	**333**	5.45	104.4	102.3	102.7	101.2	99.4	100.8	108.7	106.4	107.3	102.0	101.4	100.5
Agriculture, construction, and mining machinery	3331	1.24	128.1	126.1	129.1	125.8	120.3	122.3	129.4	128.0	129.2	125.0	122.0	123.1
Agricultural implement	33311	.64	155.3	151.5	156.9	151.5	143.8	145.8	156.9	154.8	156.1	150.4	145.8	147.5
Farm machinery and equipment	333111	.56	165.2	161.2	167.8	161.6	153.4	155.5	166.1	163.9	165.4	159.7	155.2	157.9
Construction machinery	33312	.44	120.3	118.5	119.4	116.4	112.3	115.0	121.2	119.7	120.2	115.8	114.0	115.1
Mining and oil and gas field machinery	33313	.16	87.9	89.4	92.2	92.5	88.9	89.7	89.0	89.7	92.0	91.3	89.5	89.3
Industrial machinery	3332	.57	107.5	106.4	104.3	101.3	99.0	100.7	107.7	106.8	103.8	102.1	99.8	101.1
Commercial and service industry machinery and other	3333,9	1.91	103.8	101.8	103.5	103.2	105.9	106.5	103.5	102.5	104.1	103.2	106.0	106.3
HVAC, metalworking, and power transmission machinery	3334–6	1.72	91.1	88.7	87.1	85.6	81.7	83.3	102.7	98.5	99.5	88.4	86.0	82.1
Ventilation, heating, air-conditioning, and commercial refrigeration equipment	3334	.68	80.4	76.9	73.8	69.9	65.5	67.4	103.7	95.5	103.0	75.6	73.9	66.2
Metalworking machinery	3335	.54	105.3	105.3	104.4	106.7	103.8	104.1	105.8	106.5	104.0	106.2	104.2	103.6
Engine, turbine, and power transmission equipment	3336	.49	93.6	90.2	90.1	88.6	84.5	86.9	98.2	95.3	90.1	90.3	86.7	85.2

r Revised. p Preliminary.
1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.

Table 1D
Industrial Production: Industry Subtotals and Individual Series

Item	NAICS	2022 IP Proportion[1]	Index, 2017 = 100											
			Seasonally adjusted						Not seasonally adjusted					
			2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]	2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]
Computer and electronic product	**334**	4.27	109.6	109.0	110.4	110.1	111.7	112.8	108.3	111.0	108.7	108.9	113.6	111.8
Computer and peripheral equipment	3341	.23	149.4	150.1	156.9	155.3	158.7	159.3	144.0	147.6	154.3	157.2	163.7	159.4
Communications equipment	3342	.39	157.7	155.9	155.0	154.8	155.4	156.5	154.3	153.3	151.5	154.3	155.0	153.2
Audio and video equipment	3343	.05	115.3	116.1	122.0	123.2	123.7	126.2	115.2	117.0	121.0	123.2	125.3	122.9
Semiconductor and other electronic component	3344	1.23	116.5	117.6	120.7	121.7	125.0	127.4	112.4	123.9	116.1	117.6	130.4	124.9
Navigational, measuring, electromedical and control	3345	2.35	96.4	95.2	95.6	94.7	95.6	96.1	96.8	96.0	95.3	94.5	95.9	95.9
Electrical equipment, appliance, and component	**335**	2.02	103.6	102.5	104.4	103.7	102.7	101.0	104.2	103.4	104.7	104.1	103.1	99.8
Household appliance	3352	.35	104.4	99.8	106.0	104.5	102.8	104.7	111.2	106.2	111.4	108.9	102.5	96.4
Small electrical appliance	33521	.05	100.0	98.6	108.0	106.1	105.5	109.6	102.6	101.3	109.0	107.0	107.5	113.0
Major appliance	33522	.30	105.4	100.2	105.8	104.4	102.5	104.0	112.9	107.2	112.0	109.5	101.8	93.6
Electrical equipment except appliances	3351,3–9	1.66	103.5	103.1	104.1	103.6	102.7	100.2	102.7	102.8	103.3	103.1	103.3	100.4
Electric lighting equipment	3351	.19	88.5	87.7	94.4	93.0	93.6	96.1	88.0	86.7	92.9	92.6	94.9	96.7
Electrical equipment	3353	.65	113.4	112.8	113.5	110.5	112.1	108.7	113.2	113.1	112.6	110.1	112.5	109.6
Other electrical equipment and component	3359	.83	100.9	100.8	100.6	101.9	98.9	95.9	99.6	100.3	100.0	101.3	99.5	95.5
Battery	33591	.12	101.2	100.4	99.9	101.6	101.3	98.9	98.1	97.6	97.9	98.1	101.4	94.9
Communication and energy wire and cable	33592	.16	101.7	101.7	101.2	104.5	100.0	96.8	102.2	102.7	101.8	104.6	100.9	94.5
Other electrical equipment	33593,9	.54	100.8	101.0	100.8	101.6	98.3	95.2	99.4	100.5	100.1	101.4	98.8	96.1
Transportation equipment	**336**	8.00	96.1	94.9	100.5	101.6	99.5	103.0	99.1	100.9	100.1	100.8	101.8	90.9
Motor vehicle	3361	2.37	115.2	111.7	127.2	128.7	120.9	131.6	123.8	124.3	123.0	125.6	124.8	103.9
Automobile and light duty motor vehicle	33611	2.23	116.4	112.3	128.7	130.2	121.7	132.3	125.4	125.2	124.1	126.8	125.5	104.3
Automobile	336111	.45	114.7	113.3	130.0	120.5	116.4	115.3	120.5	119.9	128.8	118.9	119.8	89.3
Light truck and utility vehicle	336112	1.78	117.1	112.2	128.6	133.0	123.3	137.2	127.0	126.8	123.0	129.2	127.3	108.6
Heavy duty truck	33612	.14	99.9	104.8	107.8	109.9	111.8	123.3	101.6	113.7	108.7	110.1	116.3	99.9
Motor vehicle body and trailer	3362	.61	86.5	89.3	96.5	93.8	88.7	87.0	90.4	96.1	101.5	95.9	91.8	80.6
Truck trailer	336212	.15	129.3	120.9	122.7	119.6	116.2	114.3	134.9	136.5	129.4	124.1	127.2	110.0
Motor home	336213	.05	82.8	81.3	87.4	82.3	71.3		98.9	86.2	93.4	85.2	70.5	
Travel trailer and camper	336214	.23	52.9	62.5	73.1	71.8	59.9	56.9	57.2	69.7	81.9	75.4	62.2	46.1
Motor vehicle parts	3363	2.08	98.3	96.5	102.4	103.7	102.7	105.3	99.6	102.7	103.0	103.7	105.6	89.0
Aerospace product and parts	3364	2.08	81.6	81.1	81.4	83.1	84.2	85.6	81.8	81.8	80.9	82.1	84.6	85.8
Aircraft and parts	336411–3	1.82	76.8	76.4	76.5	78.3	79.4	80.7	77.0	77.1	76.2	77.3	79.6	80.8
Railroad eq., ships and boats, and other	3365–9	.86	103.6	104.8	99.6	100.6	102.1	100.1	105.1	109.9	103.7	101.9	103.9	96.2
Railroad rolling stock	3365	.08	69.0	69.6	68.1	67.0	67.4	65.4	67.8	68.8	64.7	66.8	68.0	64.6
Ship and boat building	3366	.57	112.6	114.3	107.7	109.0	110.7	109.1	115.9	123.5	115.3	112.2	114.1	101.9
Other transportation equipment	3369	.22	100.2	100.7	96.8	98.1	99.6	96.6	98.5	98.5	96.0	95.3	98.2	98.5
Furniture and related product	**337**	1.08	85.6	84.8	83.8	83.4	83.7	82.7	84.3	84.4	83.4	83.9	85.0	84.2
Household and institutional furniture and kitchen	3371	.57	89.4	88.7	86.0	84.5	85.2	85.5	88.4	88.2	85.6	84.6	86.6	85.9
Office and other furniture	3372,9	.51	81.9	81.1	81.7	82.4	82.4	80.1	80.1	80.6	81.3	83.1	83.3	82.6
Miscellaneous	**339**	2.54	108.3	108.6	107.0	106.6	109.3	108.7	107.7	108.5	106.5	106.8	110.3	108.7
Medical equipment and supplies	3391	1.57	112.1	111.9	110.7	108.6	113.0	112.2	111.9	111.6	109.8	108.7	113.8	112.1
Logging	**1133**	.15	104.9	105.5	102.2	102.0	97.8	101.7	103.7	101.5	93.2	95.2	99.4	106.0
Newspaper, periodical, book, and directory publishers	**5111**	1.39	85.0	82.0	75.7	74.9	75.5	76.2	77.3	73.8	72.5	72.5	77.7	82.8
Newspaper publishers	51111	.38	63.2	60.3	58.6	57.2	57.0	56.8	62.4	59.6	60.3	56.5	57.6	56.8
Periodical, book, and other publishers	51112–9	1.02	94.8	91.8	83.3	82.8	83.8	85.0	83.9	80.1	77.8	79.6	86.9	94.7
Stage-of-process groups (capacity[2])														
Crude		19.62	110.7	111.2	111.4	110.6	109.7	110.3	111.0	111.7	111.6	110.6	109.4	109.7
Primary and semifinished		45.74	98.1	98.7	98.4	98.2	97.4	98.6	98.3	98.5	95.8	96.2	99.0	100.8
Finished		34.64	103.9	102.9	104.6	104.2	103.3	104.2	104.4	104.7	104.1	103.8	104.9	101.2

r Revised. p Preliminary.
1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.
2. Industrial production aggregates consistent with the stage-of-process capacity groups.

Table 1E
INDUSTRIAL PRODUCTION: MARKET GROUP SUMMARY

Item	NAICS	2022 IP Proportion[1]	Index, 2017 = 100											
			Seasonally adjusted						Not seasonally adjusted					
			2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]	2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]
Total index		100.00	102.6	102.6	103.1	102.7	101.9	102.9	102.9	103.2	101.7	101.7	103.2	102.8
Products and nonindustrial supplies		53.69	101.2	101.0	101.7	101.3	100.3	101.3	101.8	102.1	100.1	99.8	101.3	100.5
Final products		37.98	101.2	101.2	102.4	101.8	100.7	101.9	103.3	103.3	100.8	100.0	101.3	99.8
Consumer goods		27.36	102.2	102.4	103.8	103.0	101.5	102.9	104.8	104.8	101.5	100.4	102.0	100.6
Durable		5.93	105.4	104.3	108.8	109.3	105.8	108.7	110.8	110.7	111.6	109.3	108.2	98.8
Automotive products		3.20	107.2	105.4	114.5	114.8	109.9	115.1	113.0	114.3	113.6	113.6	112.9	97.3
Autos and trucks, consumer		1.80	120.5	116.2	133.2	134.5	125.7	136.4	129.8	129.5	128.5	131.1	129.7	107.5
Auto parts and allied goods		1.39	91.3	92.4	92.5	91.6	91.1	90.2	93.1	96.3	96.0	93.0	93.1	85.1
Other goods		2.73	103.4	102.9	102.3	103.0	101.0	101.1	108.2	106.5	109.1	104.2	102.7	100.4
Home electronics		.14	163.0	163.1	168.5	167.7	169.5	171.2	161.2	163.0	166.3	168.0	172.0	169.2
Appliances, furniture, and carpeting		.92	88.3	86.8	85.1	84.4	81.2	82.1	102.4	96.3	103.1	87.8	83.8	80.8
Household appliances		.39	99.0	95.7	94.3	94.1	85.7	87.9	138.5	122.0	141.8	103.4	89.5	80.1
Carpeting and furniture		.54	82.8	82.3	80.5	79.5	79.5	79.5	81.2	81.4	80.2	79.2	81.4	82.4
Miscellaneous goods		1.67	108.0	108.2	107.9	109.6	108.4	107.9	107.2	108.1	107.9	109.5	109.4	107.6
Nondurable		21.43	101.3	101.9	102.3	101.3	100.3	101.3	103.1	103.1	98.8	98.0	100.3	101.0
Non-energy		15.34	102.7	101.9	102.5	101.8	100.8	100.8	102.0	102.5	101.6	101.4	102.8	99.6
Foods and tobacco		9.43	101.8	100.2	101.0	100.1	98.6	98.6	101.4	101.5	100.1	99.0	101.3	96.8
Clothing		.17	95.0	96.5	96.1	93.9	91.5	91.2	95.7	97.1	96.2	94.7	93.5	90.3
Chemical products		4.61	108.2	108.9	110.4	109.9	109.7	109.6	107.5	109.3	109.8	111.3	110.4	108.1
Paper products		.75	83.9	82.3	78.3	77.9	78.2	78.7	78.7	76.6	75.4	76.0	79.6	83.5
Miscellaneous goods		.38	109.5	109.4	107.8	106.6	109.9	109.8	109.2	109.4	107.4	107.0	110.9	109.8
Energy		6.09	96.9	101.2	101.2	99.4	98.2	101.9	105.2	104.0	90.6	88.4	92.9	104.2
Fuels		3.15	87.8	88.0	88.3	88.7	89.1	88.8	85.2	87.1	88.2	90.7	92.1	90.7
Residential utilities		2.94	100.6	109.9	109.5	105.1	102.1	110.2	122.9	117.8	86.9	79.0	86.9	112.6
Equipment, total		10.62	99.5	98.8	99.9	99.6	99.5	100.3	100.3	100.4	99.8	99.4	100.4	98.7
Business equipment		8.40	96.5	95.4	96.5	96.0	95.7	96.6	97.0	96.9	96.3	95.8	96.7	94.9
Transit		1.63	71.3	70.4	73.2	74.2	73.1	75.9	73.4	74.3	72.6	73.4	74.6	69.2
Business vehicles		.57	102.1	100.4	112.2	114.2	109.0	119.7	108.7	111.4	109.2	111.9	112.7	95.0
Business light vehicles		.43	102.2	98.5	112.9	114.8	107.5	117.9	110.2	110.0	108.7	111.8	110.9	93.0
Autos		.07	99.1	97.8	112.2	103.9	100.3	99.3	104.1	103.5	111.1	102.5	103.2	76.9
Trucks		.35	103.1	98.8	113.3	117.5	109.3	122.2	111.8	111.7	108.3	114.1	112.7	96.7
Information processing		1.71	107.8	106.6	107.4	106.4	107.5	108.1	107.4	106.9	106.6	106.4	108.1	107.6
Industrial and other		5.05	106.3	105.1	105.6	104.4	104.1	104.2	106.3	105.9	105.6	104.4	104.9	104.5
Industrial equipment		2.98	101.8	100.8	101.2	100.2	99.5	100.2	102.0	101.6	101.4	100.2	100.0	100.3
Other equipment		2.08	113.1	111.7	112.4	111.0	111.1	110.5	113.1	112.6	112.1	111.1	112.6	111.0
Oil and gas well drilling and manufactured homes		.59	97.3	98.7	100.2	100.0	97.6	96.0	101.2	101.6	103.5	102.4	99.0	94.2
Defense and space equipment		1.64	114.1	114.8	114.9	116.4	118.2	119.4	114.7	115.8	114.7	115.5	118.3	118.9
Nonindustrial supplies		15.71	100.9	100.5	100.0	99.9	99.4	99.6	98.3	99.3	98.5	99.5	101.4	102.1
Construction supplies		5.15	102.8	100.9	101.7	101.5	101.2	101.0	97.4	98.6	101.7	103.6	105.4	104.3
Business supplies		10.56	100.1	100.4	99.2	99.1	98.6	99.0	98.7	99.6	96.9	97.6	99.5	101.2
Non-energy business supplies		7.80	98.6	97.5	96.9	96.4	96.4	96.1	96.9	96.7	96.3	96.1	97.7	97.0
Commercial energy products		2.75	104.5	109.2	106.4	107.3	105.5	108.0	104.2	108.4	98.8	101.9	104.9	113.9
Materials		46.31	104.2	104.6	104.8	104.5	103.7	104.8	104.2	104.5	103.7	103.9	105.4	105.6
Non-energy		27.30	97.6	96.7	97.4	97.1	97.1	97.5	97.6	97.8	97.9	97.3	98.5	96.0
Durable		16.44	97.5	96.1	97.9	97.9	98.0	98.4	97.8	97.9	98.5	98.1	99.8	96.1
Consumer parts		2.72	92.5	89.6	94.8	95.3	94.1	95.9	96.1	96.2	97.8	95.8	96.7	82.5
Equipment parts		4.39	101.6	101.0	101.7	101.4	101.8	102.6	101.4	103.3	100.8	100.7	103.5	102.0
Computer and other board assemblies and parts		.14	159.7	162.9	165.6	166.2	169.2	170.5	146.9	184.0	158.0	162.0	191.0	158.7
Semiconductors, printed circuit boards, and other		.76	110.9	111.7	114.9	116.1	119.3	121.9	107.9	116.2	110.6	112.0	122.8	120.6
Other equipment parts		3.49	97.3	96.3	96.5	95.9	95.8	96.1	98.0	97.6	96.4	95.9	96.5	96.0
Other		9.33	97.1	95.9	97.1	97.1	97.5	97.3	96.6	95.9	97.7	97.6	99.1	97.7
Basic metals		2.97	89.4	88.4	91.9	89.8	90.3	90.1	91.7	88.8	93.2	90.0	91.1	89.8
Miscellaneous materials		6.37	101.0	99.6	99.7	100.7	101.1	100.8	99.1	99.4	99.9	101.4	103.1	101.7
Nondurable		10.86	97.8	97.6	96.7	95.9	95.6	96.0	97.2	97.7	97.0	96.2	96.4	95.8
Textile		.33	83.0	84.7	85.6	84.6	81.8	84.8	82.6	84.7	86.4	85.1	82.9	82.8
Paper		1.60	84.0	84.8	82.9	83.7	81.5	81.5	84.6	84.8	83.0	83.6	81.2	81.4
Chemical		5.54	99.7	99.3	98.1	96.3	97.0	98.2	98.6	99.1	98.7	97.3	98.1	99.4
Other materials		3.40	103.7	102.9	103.0	103.1	102.4	101.5	103.3	103.8	102.9	102.4	103.4	99.2
Containers		1.08	95.2	95.2	92.6	93.7	93.5	91.8	92.4	95.6	92.5	94.2	96.1	92.1
Miscellaneous materials		2.32	107.9	106.6	108.0	107.6	106.7	106.3	108.6	107.8	108.0	106.5	106.9	102.6
Energy		19.01	114.6	117.2	116.3	116.1	114.0	116.4	114.5	115.0	112.4	114.1	116.3	121.6
Primary energy		13.76	117.8	118.8	118.4	118.4	116.8	118.3	118.9	119.4	118.1	118.5	117.2	117.7
Converted fuel		5.24	105.3	111.5	109.7	109.0	105.7	110.0	102.1	102.7	97.1	101.7	111.6	127.3

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1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.

Table 2
Capacity Utilization: Manufacturing, Mining, and Utilities
Percent of capacity, seasonally adjusted

Item	NAICS	2022 Proportion	1972-2022 Ave.	1982 Low	1988-1989 High	1990-1991 Low	1994-1995 High	2009 Low	2022 July	2023 Feb.[r]	Mar.[r]	Apr.[r]	May[r]	June[r]	July[p]
Total industry		100.00	79.7	71.0	85.2	78.8	85.0	66.6	80.7	79.5	79.5	79.8	79.4	78.6	79.3
Stage-of-process Groups															
Crude		19.34	85.6	78.2	87.9	84.8	90.0	76.9	89.9	90.1	90.5	90.7	90.1	89.4	90.0
Primary and semifinished		45.61	80.2	68.3	86.5	78.0	87.8	63.6	79.2	76.8	77.3	77.0	76.7	76.0	76.8
Finished		35.05	76.7	70.7	83.4	77.5	80.7	66.3	77.6	77.3	76.4	77.6	77.1	76.3	76.8
Industry Groups															
Manufacturing		74.13	78.2	68.6	85.6	77.3	84.6	63.4	79.3	78.5	77.8	78.3	78.0	77.5	77.8
Manufacturing (NAICS)	**31–33**	72.54	78.2	68.0	85.5	77.1	84.7	63.3	79.4	78.4	77.7	78.4	78.1	77.6	77.8
Durable manufacturing		37.23	76.8	63.1	84.7	73.8	83.7	58.2	77.2	75.9	75.0	76.1	76.0	75.6	76.1
Wood products	321	1.82	76.8	59.5	86.3	72.0	86.6	48.4	85.6	79.5	79.6	79.4	79.3	80.6	80.1
Nonmetallic mineral products	327	2.09	73.4	64.2	83.2	71.5	82.4	43.8	82.2	85.2	82.3	82.1	82.5	81.1	80.9
Primary metals	331	3.37	77.8	48.2	94.9	75.3	95.1	49.4	73.3	69.6	69.0	70.8	70.6	71.3	70.4
Iron and steel products	3311,2	1.74	79.5	38.0	97.8	71.1	97.8	40.0	75.8	72.3	71.5	73.6	74.8	75.7	75.0
Fabricated metal products	332	5.85	78.0	62.0	81.4	71.9	83.7	63.5	78.9	78.9	78.2	77.8	78.3	78.3	78.0
Machinery	333	4.97	77.9	57.9	85.3	73.7	87.5	58.6	83.5	84.2	82.5	82.7	81.4	79.9	80.9
Computer and electronic products	334	4.77	77.1	78.1	82.2	77.8	84.5	69.9	70.8	68.5	67.9	68.5	68.0	68.6	69.0
Computer and peripheral equip.	3341	.26	76.7	67.0	79.0	69.8	86.8	82.7	73.3	74.7	74.6	77.5	76.3	77.5	77.3
Communications equipment	3342	.44	75.5	84.4	85.6	77.2	86.1	77.3	74.9	67.1	65.8	64.9	64.3	64.0	64.0
Semiconductor and related electronic components	3344	1.27	79.1	78.1	82.5	78.4	92.4	63.0	77.3	72.7	72.7	73.9	73.9	75.1	75.9
Electrical equipment, appliances, and components	335	1.96	81.8	64.8	89.2	77.2	92.4	66.5	79.1	78.3	77.3	78.7	78.0	77.2	75.8
Transportation equipment	336	9.00	74.5	55.8	87.0	68.3	79.5	49.7	71.9	71.0	70.0	74.1	74.8	73.2	75.7
Motor vehicles and parts	3361–3	5.52	74.9	44.2	90.3	56.8	87.6	33.0	73.9	73.0	71.5	78.5	79.0	75.8	79.6
Autos and light trucks	33611	2.53	75.8	39.7	93.1	53.4	88.9	26.4	72.5	72.5	69.8	79.8	80.6	75.3	81.8
Aerospace and miscellaneous transportation equipment	3364–9	3.47	73.9	68.4	89.1	83.5	72.0	72.2	68.7	67.6	67.6	66.8	67.9	68.9	69.3
Furniture and related products	337	1.07	77.5	64.8	82.2	68.6	82.8	53.4	78.1	73.7	73.1	72.2	71.8	72.1	71.2
Miscellaneous	339	2.33	77.0	69.2	82.6	77.3	81.0	68.1	86.2	82.2	82.0	80.4	79.9	81.5	80.8
Nondurable manufacturing		35.31	80.0	75.3	86.8	81.4	86.1	68.7	81.7	81.0	80.6	80.8	80.2	79.6	79.7
Food	311	8.58	82.3	79.5	86.2	83.2	86.3	77.7	84.5	84.4	83.2	83.3	83.0	81.0	80.5
Beverage and tobacco products	312	2.87	75.2	78.6	87.0	75.2	85.2	67.3	70.0	69.9	68.0	70.3	68.5	69.2	69.8
Textile mills	313	.34	78.1	72.1	91.8	77.2	93.7	51.4	69.1	66.5	68.1	69.5	68.5	66.3	68.9
Textile product mills	314	.28	78.7	71.6	90.8	76.7	88.5	58.0	75.0	71.5	71.6	69.5	71.1	69.8	71.6
Apparel	315	.13	77.1	74.8	84.4	77.4	89.0	64.5	73.2	75.7	77.3	76.2	74.3	71.7	70.5
Leather and allied products	316	.06	70.9	72.7	80.7	72.0	79.9	44.3	85.2	77.1	76.8	78.8	76.9	76.9	78.7
Paper	322	2.09	86.6	81.3	92.5	85.7	92.7	72.7	88.5	82.2	82.8	81.2	82.0	81.1	80.6
Printing and support	323	1.19	79.5	80.3	91.5	83.2	85.4	58.8	82.5	82.6	82.6	82.2	81.6	78.4	78.7
Petroleum and coal products	324	4.28	85.3	68.6	85.8	81.3	91.1	75.9	86.3	86.0	87.5	88.4	88.2	87.4	88.4
Chemicals	325	11.95	76.5	68.0	85.4	80.2	82.1	64.9	79.4	80.8	80.1	80.0	79.3	79.7	79.7
Plastics material and resin	325211	.86	88.1	66.1	96.9	81.7	102.1	75.8	82.3	83.0	82.4	78.4	75.9	79.2	81.2
Synthetic rubber	325212	.10	73.8	54.6	94.4	72.5	87.4	56.0	69.4	60.4	59.6	58.7	57.0	57.2	55.4
Artificial and synthetic fibers and filaments	32522	.07	81.3	63.3	93.6	75.5	91.6	58.3	88.4	83.3	83.7	83.4	82.6	83.0	81.5
Plastics and rubber products	326	3.53	82.1	72.4	89.9	77.0	93.2	56.9	83.9	77.5	77.5	77.8	77.3	77.3	76.8
Other manufacturing (non-NAICS)	**1133,5111**	1.59	79.6	86.5	91.2	80.0	83.3	64.3	74.4	82.4	80.2	74.7	74.3	74.8	76.1
Mining	**21**	15.11	86.4	79.6	86.3	84.3	88.6	78.9	91.2	91.9	92.4	93.2	92.6	91.8	92.4
Oil and gas extraction	211	10.62	93.1	89.5	91.5	89.5	94.8	93.2	98.5	99.1	100.3	100.1	100.4	99.8	100.0
Mining (except oil and gas)	212	2.22	82.0	67.9	91.0	80.3	87.8	68.6	74.3	72.9	71.3	75.5	72.3	72.1	74.4
Coal mining	2121	.59	83.1	76.3	92.5	79.7	87.6	75.1	75.2	77.2	80.2	83.9	75.6	76.4	81.6
Metal mining	2122	.91	76.5	32.2	93.4	81.3	90.1	64.0	61.6	58.8	56.7	62.4	58.7	57.7	59.7
Stone and earth minerals	2123	.72	83.5	63.5	89.7	76.3	91.5	62.7	89.5	87.5	82.7	86.0	87.0	86.9	87.7
Support activities for mining	213	2.26	70.9	52.6	62.5	56.0	74.8	48.8	73.8	76.8	76.2	77.0	75.8	73.3	72.7
Utilities	**2211,2**	10.77	84.7	77.0	93.2	84.7	93.2	78.1	75.5	69.6	73.8	71.8	71.1	68.8	72.3
Electric	2211	9.28	85.6	77.7	94.7	87.7	95.7	78.0	74.3	68.6	71.8	70.5	69.6	67.0	71.3
Natural gas	2212	1.48	80.3	72.9	86.3	67.4	87.5	71.9	81.3	74.1	84.6	78.5	79.1	78.8	77.0
Special Aggregates															
Selected high-technology industries		1.97	77.4	75.8	81.3	75.9	86.3	71.3	76.3	71.8	71.5	72.5	72.2	73.1	73.6
Manufacturing ex. selected high-tech industries		72.16	78.3	68.2	86.0	77.3	84.5	62.9	79.4	78.7	77.9	78.5	78.2	77.6	77.9
Manufacturing ex. selected high-tech and motor vehicles and pts.		66.64	78.6	69.6	85.6	79.2	84.3	65.5	79.8	79.2	78.5	78.4	78.1	77.8	77.8

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Table 3
INDUSTRIAL CAPACITY: MANUFACTURING, MINING, AND UTILITIES

Item	NAICS	Percent change: Annual rate: 1972-2023 Ave.	1972-1975 Ave.	1975-2023 Ave.	Percent change: Fourth quarter to fourth quarter: 2019	2020	2021	2022	2023[p]	Capacity indexes, Percent of 2017 output: 2022 July	2023 Feb.	Mar.	Apr.	May	June	July
Total industry		1.9	3.0	1.8	1.0	-.8	-2.0	.9	1.5	127.7	128.9	129.1	129.3	129.4	129.6	129.7
STAGE-OF-PROCESS GROUPS																
Crude		.6	1.0	.6	5.9	-2.5	-8.1	1.2	-.4	122.0	122.8	122.8	122.8	122.8	122.7	122.6
Primary and semifinished		1.9	3.6	1.8	-.5	-.3	-.8	1.1	1.4	126.5	127.6	127.8	127.9	128.1	128.2	128.4
Finished		2.3	3.3	2.2	.2	-.7	.1	1.3	2.2	133.0	134.4	134.6	134.9	135.1	135.4	135.6
INDUSTRY GROUPS																
Manufacturing		2.0	3.2	1.9	-.5	-1.0	-1.0	.7	1.3	126.3	127.2	127.3	127.5	127.6	127.8	127.9
Manufacturing (NAICS)	**31–33**	2.1	3.2	2.0	-.4	-.9	-.9	.9	1.4	126.9	127.8	128.0	128.1	128.3	128.5	128.6
Durable manufacturing		3.0	3.4	2.9	.0	.3	-.6	1.5	1.7	131.5	132.9	133.1	133.3	133.5	133.7	133.9
Wood products	321	.5	2.0	.4	-2.0	-2.9	-2.1	1.1	.6	118.8	119.8	119.9	119.9	120.0	120.0	120.1
Nonmetallic mineral products	327	.4	.8	.4	-3.0	-1.1	-2.0	-.7	.1	132.5	132.4	132.4	132.4	132.4	132.5	132.5
Primary metals	331	-.2	.7	-.3	-3.0	1.9	-6.2	2.2	.8	132.0	134.4	134.6	134.7	134.7	134.7	134.7
Iron and steel products	3311,2	-.4	-.1	-.4	-4.5	8.4	-4.0	2.6	-.2	127.9	130.3	130.4	130.4	130.3	130.2	130.0
Fabricated metal products	332	.9	3.2	.7	.0	.3	-.5	-.3	.3	127.1	127.1	127.2	127.2	127.2	127.3	127.3
Machinery	333	1.0	3.8	.8	-2.0	-2.0	-.5	1.0	1.2	123.3	124.0	124.1	124.2	124.3	124.4	124.5
Computer and electronic products	334	11.8	11.7	11.8	2.8	2.8	2.6	3.6	5.2	155.7	159.9	160.6	161.3	162.0	162.7	163.4
Computer and peripheral equip.	3341	18.3	31.2	17.3	23.7	-2.9	-2.7	3.6	7.3	193.6	200.1	201.2	202.4	203.6	204.8	206.1
Communications equipment	3342	9.5	10.8	9.4	3.9	10.8	5.4	7.8	10.2	222.7	235.0	236.9	238.9	240.8	242.8	244.8
Semiconductor and related electronic components	3344	17.8	13.2	18.2	4.1	5.3	4.9	7.0	11.6	151.8	160.3	161.8	163.2	164.8	166.4	167.9
Electrical equipment, appliances, and components	335	.8	3.7	.6	-.2	-1.5	2.6	2.2	1.6	131.2	132.4	132.6	132.8	132.9	133.1	133.3
Transportation equipment	336	1.8	1.9	1.8	2.3	2.0	-1.3	1.2	1.3	134.0	135.4	135.5	135.7	135.8	136.0	136.1
Motor vehicles and parts	3361–3	2.3	3.0	2.3	2.6	2.9	-1.5	1.9	1.9	140.7	143.0	143.3	143.5	143.8	144.0	144.1
Autos and light trucks	33611	2.8	3.8	2.7	5.0	9.6	-1.8	3.1	1.8	156.8	160.7	161.0	161.2	161.5	161.6	161.7
Aerospace and miscellaneous transportation equipment	3364–9	1.0	.5	1.0	2.2	1.1	-.9	.3	.3	127.0	127.1	127.1	127.1	127.2	127.2	127.2
Furniture and related products	337	.8	3.5	.6	-.4	-.2	2.2	1.6	.0	115.7	116.1	116.1	116.1	116.1	116.1	116.1
Miscellaneous	339	1.9	3.5	1.8	-2.1	-3.5	3.1	6.9	5.4	127.2	131.8	132.4	133.0	133.5	134.1	134.6
Nondurable manufacturing		1.0	2.9	.8	-.8	-2.2	-1.0	.3	1.2	122.4	122.9	123.0	123.1	123.3	123.4	123.5
Food	311	1.5	2.8	1.4	.7	-2.5	1.7	1.6	2.3	123.9	125.1	125.3	125.5	125.8	126.0	126.3
Beverage and tobacco products	312	.2	.8	.2	-1.1	-3.2	-2.5	-1.2	.1	136.6	136.3	136.3	136.3	136.4	136.4	136.4
Textile mills	313	-1.2	2.4	-1.5	-1.2	-1.2	-1.0	-1.3	-3.0	123.3	121.6	121.3	121.0	120.6	120.3	120.0
Textile product mills	314	-.4	1.3	-.5	-3.3	-2.1	-3.8	-1.8	-1.8	125.0	124.0	123.8	123.6	123.4	123.2	123.0
Apparel	315	-3.7	1.3	-4.1	-2.7	-1.5	-2.8	-1.6	-1.5	121.3	120.4	120.2	120.1	119.9	119.8	119.6
Leather and allied products	316	-2.8	-1.9	-2.9	-10.7	-5.8	-4.0	12.1	6.0	131.0	140.0	140.9	141.6	142.2	142.7	143.2
Paper	322	.4	3.2	.2	-.2	-3.3	-2.6	-.5	-1.1	106.8	106.4	106.3	106.2	106.1	106.0	105.9
Printing and support	323	.7	3.4	.5	-5.2	-7.6	-5.4	-3.8	-2.2	106.8	105.0	104.8	104.6	104.4	104.2	104.0
Petroleum and coal products	324	.8	5.4	.5	-.4	-4.1	-6.4	.9	.0	102.2	102.6	102.6	102.6	102.6	102.6	102.5
Chemicals	325	1.4	3.8	1.2	-2.2	-.9	-.7	-.1	1.8	128.6	129.1	129.2	129.4	129.6	129.8	130.0
Plastics material and resin	325211	2.0	4.7	1.7	-9.0	2.0	4.0	2.9	1.5	108.7	110.1	110.2	110.4	110.5	110.6	110.7
Synthetic rubber	325212	.6	3.1	.3	-1.3	-3.2	.2	-.9	-.8	139.1	138.2	138.0	138.0	137.9	137.8	137.7
Artificial and synthetic fibers and filaments	32522	-1.0	16.1	-2.3	-1.2	-1.4	-5.5	-6.6	-5.7	90.0	86.4	86.0	85.5	85.1	84.7	84.3
Plastics and rubber products	326	2.2	4.6	2.0	.3	-1.2	2.9	4.1	1.8	125.3	127.4	127.6	127.8	127.9	128.1	128.3
Other manufacturing (non-NAICS)	**1133,5111**	-.9	2.9	-1.2	-5.9	-5.1	-5.2	-5.6	-5.0	108.4	105.0	104.6	104.1	103.7	103.2	102.8
Mining	**21**	.6	-.5	.6	8.7	-2.8	-9.9	1.9	-.4	126.7	127.9	127.9	127.9	127.8	127.7	127.6
Oil and gas extraction	211	1.0	-2.7	1.3	9.0	-1.5	-1.5	4.2	3.0	133.9	137.3	137.7	138.0	138.3	138.6	138.9
Mining (except oil and gas)	212	.6	1.6	.5	-.1	.2	-1.8	-2.7	-2.1	123.2	121.5	121.3	121.1	120.8	120.6	120.4
Coal mining	2121	-.2	2.5	-.4	-1.6	-7.3	-7.0	-7.1	-7.1	103.8	99.3	98.7	98.1	97.5	96.9	96.4
Metal mining	2122	1.1	1.9	1.0	.0	4.3	-.6	-.3	.5	145.2	145.6	145.7	145.7	145.8	145.8	145.9
Stone and earth minerals	2123	.4	-.1	.4	1.0	.9	-.6	-1.4	-1.7	117.3	116.1	115.9	115.8	115.6	115.4	115.3
Support activities for mining	213	-.7	5.7	-1.2	-2.2	-6.9	-8.5	-7.7	-8.1	131.6	125.5	124.7	123.8	122.9	122.0	121.2
Utilities	**2211,2**	2.2	6.2	1.9	1.5	2.4	2.3	3.1	3.5	141.5	144.3	144.8	145.2	145.6	146.0	146.4
Electric	2211	2.7	8.5	2.3	1.1	2.4	3.0	3.6	3.7	142.5	145.6	146.1	146.5	146.9	147.4	147.8
Natural gas	2212	.4	-1.0	.5	1.3	1.6	1.4	1.5	1.7	138.7	140.0	140.2	140.4	140.6	140.8	141.0
SPECIAL AGGREGATES																
Selected high-technology industries		16.4	17.2	16.4	6.3	5.2	3.7	6.5	10.5	169.9	178.8	180.3	181.8	183.3	184.9	186.5
Manufacturing ex. selected high-tech industries		1.0	2.6	.9	-.7	-1.2	-1.2	.6	1.1	125.2	125.9	126.0	126.1	126.2	126.4	126.5
Manufacturing ex. selected high-tech and motor vehicles and pts.		.9	2.6	.8	-1.0	-1.5	-1.1	.5	1.0	124.1	124.7	124.8	124.9	125.0	125.1	125.2