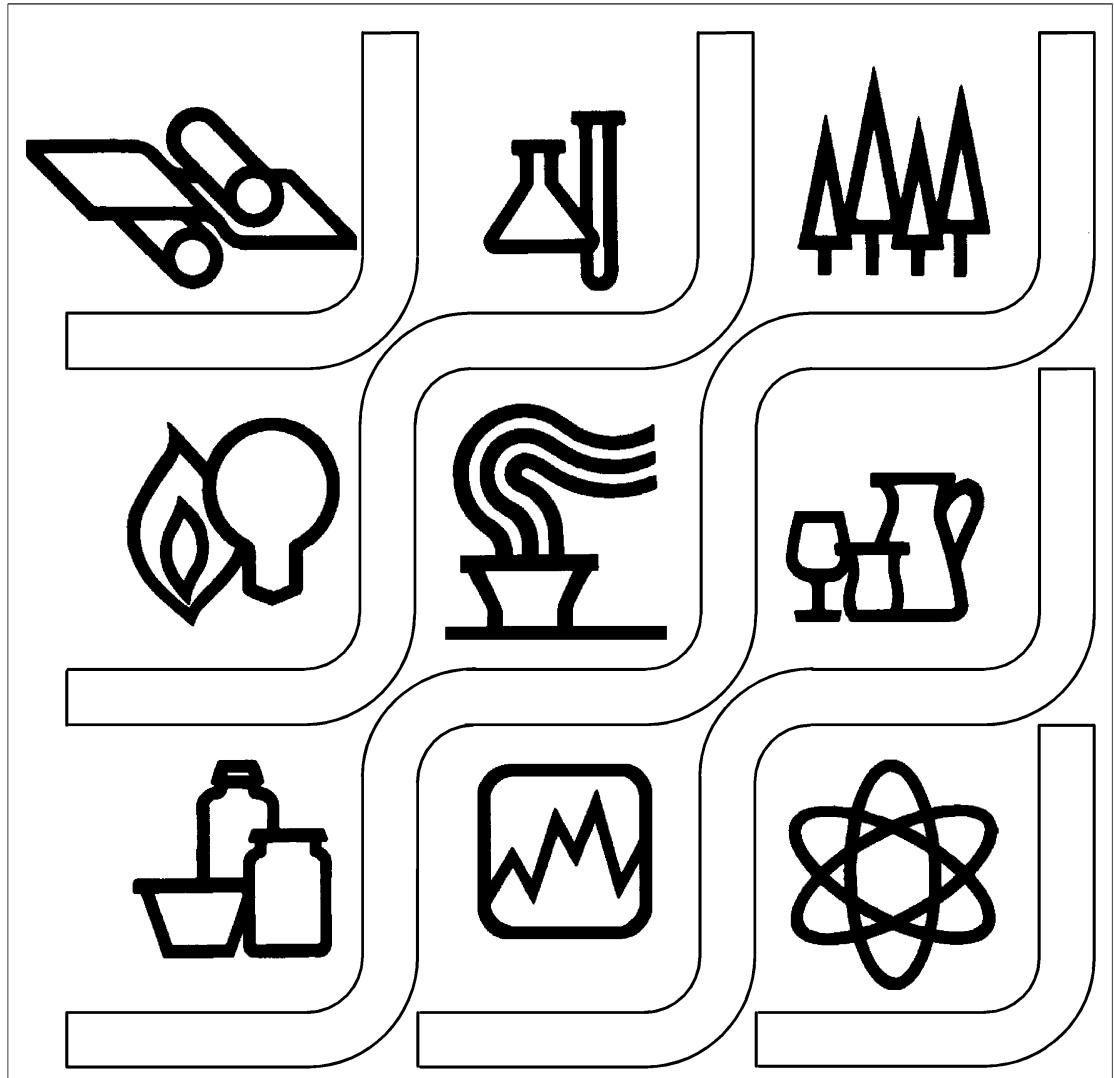


CURRENT INDUSTRIAL REPORTS

Survey of Plant Capacity: 1996

MQ-C1(96)



U.S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

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This report was prepared under the direction of **William K. Mittendorf**, Assistant Division Chief, Manufacturing and Construction Division. Within the Manufacturing and Construction Division, the preparation of this report was performed under the supervision of **Elinor Champion**, Chief, Environment, Technology, and Innovation Branch, and **Ron Taylor**.

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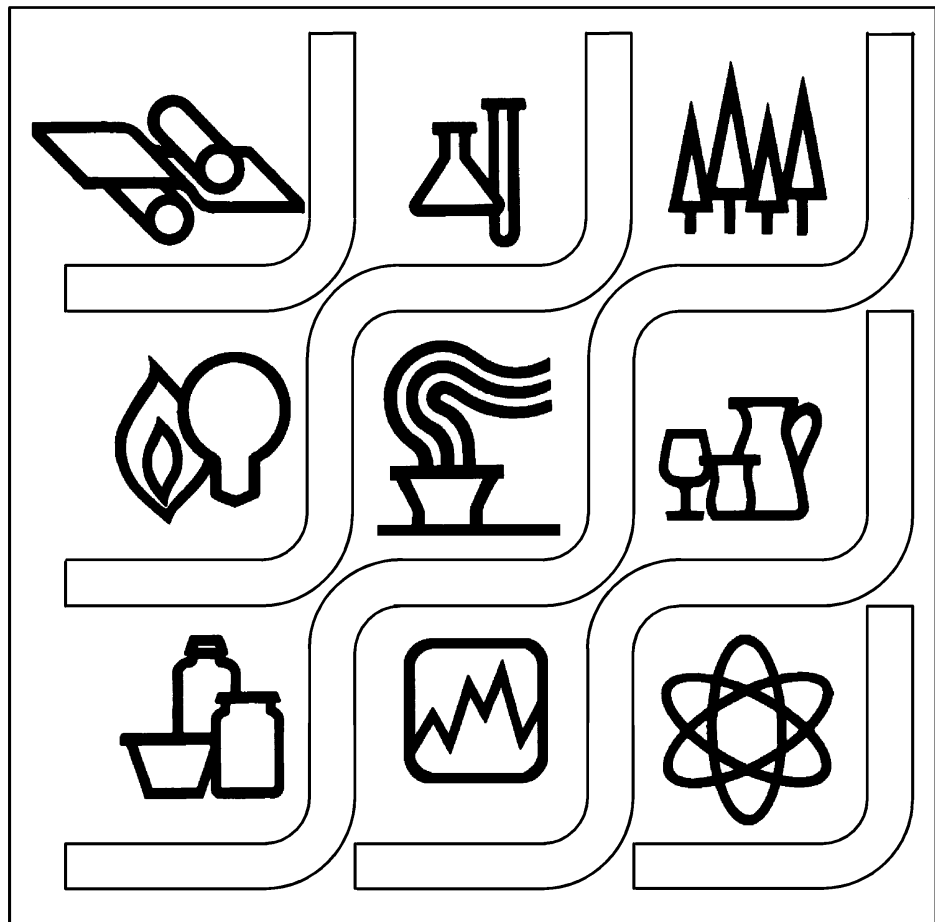
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Introduction

SUMMARY OF 1996 SURVEY RESULTS

U.S. domestic manufacturing plants used an estimated 76 percent (± 1 percentage point) of their full production capacity for the fourth quarter of 1996 and 76 percent (± 1 percentage point) for the fourth quarter of 1995. Durable goods industries in the fourth quarter of 1996 operated at a 4-percent lower rate (± 1 percentage point) than nondurable goods industries with a full production utilization rate of 74 percent compared to 78 percent for nondurable goods industries. Advance processing industries for 1996 operated at a 5-percent lower rate (± 1 percentage point) than primary processing industries with a full production utilization rate of 75 percent compared with 80 percent for primary processing industries. Durable goods industries are manufacturing industries in which products have a normal life expectancy of 3 years or more. Standard Industrial Classification (SIC) major industries 24, 25, 32, 33, 34, 35, 36, 37, 38, and 39 are considered durable goods industries. Nondurable goods industries are manufacturing industries in which products generally have a life expectancy of less than 3 years. SIC major industries 20, 21, 22, 23, 26, 27, 28, 29, 30, and 31 are nondurable goods industries. Primary processing industries are industries in which products are generally the first processed output of raw materials in the manufacturing process. SIC major industries 22, 24, 26, 29, 30, 32, 33, and 34 are classified as the primary processing industries. Advance processing industries are industries in which products are considered finished manufactured items. SIC major industries 20, 21, 23, 25, 27, 31, 35, 36, 37, 38, and 39 are advance processing industries.

Among the major industries with the lowest utilization rates of their full production capacity in the fourth quarter of 1996 were instruments and related products (SIC 38) at 71 percent and transportation equipment (SIC 37) at 72 percent. Among the industries with the highest utilization rates for 1996 were paper and allied products (SIC 26) at 85 percent and primary metal industries (SIC 33) at 84 percent. Full production capacity is broadly defined as the maximum level of production an establishment could attain under normal operating conditions. In this report, the full production utilization rate is a ratio of the actual level of operations to the full production level.

The utilization rates based on the national emergency production level of operations generally follow the trends for full production rates. National emergency production is broadly defined as the greatest level of production an

establishment can expect to sustain for 1 year or more under national emergency conditions. The national emergency production utilization rate is a ratio of the actual level operations to the national emergency production level. Table 1a summarizes full production utilization rates and table 1b summarizes emergency production utilization rates, at two-, three-, and four-digit SIC industry levels, for fourth quarters 1991 through 1996. Tables 2a, 2b, and 2c show both full and emergency production utilization rates, at the two-, three-, and four-digit SIC industry levels, for fourth quarters 1996-1995, 1994-1993, and 1992-1991, respectively. Estimates are subject to sampling variability and nonsampling error. The range at which estimates are tested in this report is at the 90-percent confidence level. Appendix A contains reproductions of the survey form and instructions; Appendix B describes the qualification of the data; and Appendix C contains a description of the survey sample and estimating procedure.

REVISIONS TO THE SURVEY OF PLANT CAPACITY UTILIZATION

Beginning with the 1990 survey, data were collected at 2-year intervals. The 1996 survey is the fourth data collection period.

The reader should note that the Bureau of the Census used new criteria for defining capacity levels beginning with 1990 Survey of Plant Capacity Utilization. In prior capacity utilization surveys, the Bureau of the Census used preferred level of operation and practical capacity. Preferred level of operation was defined as a level that a plant preferred not to exceed because of costs or other considerations. Implicit in the preferred level was the idea that there was a level of production at which profits for a plant are maximized. At preferred level of operation, a plant's marginal revenue for its operations would equal its marginal costs. Practical capacity was defined as the maximum level of production that a plant could reasonably expect to attain using a realistic employee work schedule and the machinery and equipment in place during the time period covered by the survey.

In developing new definitions of capacity levels for the 1992 Survey of Plant Capacity Utilization, the Bureau of the Census sought to improve the consistency of reporting across industries for the survey, and also to make it less difficult for respondents to report estimates of capacity levels in the survey. Due to definitional differences in

capacity, care should be taken when comparing the utilization rates from the 1990, 1992, 1994, and 1996 surveys with previous Bureau of the Census surveys of plant capacity utilization and other measures of capacity. Other measures of capacity employ different methodologies which may yield different utilization levels.

INDUSTRIAL CLASSIFICATION

Industrial classification definitions from the present back to the 1990 survey will differ from prior years' survey estimates for certain industries. These estimates are classified by revised manufacturing industries definitions described in the 1987 edition of the Standard Industrial Classification (SIC) Manual published by the Office of Management and Budget.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols appear frequently in the tables:

–	Represents zero.
(D)	Withheld to avoid disclosing data for individual companies.
(S)	Data suppressed because they did not meet publication standards. This includes data cells with strong evidence of bias or where the level of imputation exceeds 50 percent.
(X)	Not applicable.
n.e.c.	Not elsewhere classified.
SIC	Standard Industrial Classification.

Table 1a. Full Production Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production rate					
		1996	1995	1994	1993	1992	1991
	All industries	76	76	80	78	77	77
	Durable goods industries	74	75	78	76	75	75
	Nondurable goods industries	78	78	82	81	80	80
	Advanced processing industries	75	75	78	77	76	76
	Primary processing industries	80	80	84	82	80	79
20	Food and kindred products	76	76	79	79	78	78
201	Meat products	83	85	86	85	85	84
2011	Meat packing plants	82	85	86	84	86	82
2013	Sausages and other prepared meats	77	79	80	84	80	80
2015	Poultry slaughtering and processing	88	89	89	87	88	89
202	Dairy products	80	78	82	82	78	78
2021	Creamery butter	83	81	75	80	63	64
2022	Cheese, natural and processed	91	92	85	88	83	86
2023	Dry, condensed, and evaporated dairy products	78	78	78	73	77	72
2024	Ice cream and frozen desserts	75	73	75	73	65	68
2026	Fluid milk	77	74	86	86	81	81
203	Preserved fruits and vegetables	75	74	77	79	75	76
2032	Canned specialties	78	77	76	78	87	87
2033	Canned fruits and vegetables	65	64	75	78	70	70
2034	Dehydrated fruits, vegetables, and soups	74	68	80	80	80	74
2035	Pickles, sauces, and salad dressings	72	73	71	72	64	66
2037	Frozen fruits and vegetables	89	90	92	91	70	78
2038	Frozen specialties, n.e.c.	82	80	75	80	87	89
204	Grain mill products	81	79	83	83	82	83
2041	Flour and other grain mill products	87	86	91	89	83	87
2043	Cereal breakfast foods	88	83	84	85	85	85
2044	Rice milling	87	87	95	94	93	94
2045	Prepared flour mixes and doughs	70	68	84	86	74	75
2046	Wet corn milling	95	94	96	96	96	96
2047	Dog and cat food	78	77	83	85	73	75
2048	Prepared feeds, n.e.c.	70	69	69	68	80	82
205	Bakery products	76	77	79	81	80	80
2051	Bread, cake, and related products	82	80	80	83	82	81
2052	Cookies and crackers	67	71	77	77	76	78
2053	Frozen bakery products, except bread	78	82	80	90	87	83
206	Sugar and confectionery products	75	76	77	78	75	74
2061	Raw cane sugar	97	97	94	95	91	95
2062	Cane sugar refining	91	89	78	(D)	(D)	(D)
2063	Beet sugar	92	93	100	100	82	94
2064	Candy and other confectionery products	71	76	75	78	69	66
2066	Chocolate and cocoa products	77	72	78	79	77	77
2067	Chewing gum ¹	(X)	(X)	(X)	(X)	(D)	(D)
2068	Salted and roasted nuts and seeds	76	66	70	(D)	73	75
207	Fats and oils	80	83	82	81	85	85
2074	Cottonseed oil mills	78	92	95	96	92	93
2075	Soybean oil mills	95	93	87	83	92	94
2076	Vegetable oil mills, n.e.c.	73	84	75	73	96	89
2077	Animal and marine fats and oils	76	73	80	78	86	82
2079	Edible fats and oils, n.e.c.	75	76	74	80	78	79
208	Beverages	73	72	76	73	75	75
2082	Malt beverages	76	76	79	75	84	86
2083	Malt	97	97	100	92	97	99
2084	Wines, brandy, and brandy spirits	73	75	57	56	83	83
2085	Distilled and blended liquors	65	66	76	81	78	77
2086	Bottled and canned soft drinks	71	70	74	72	63	65
2087	Flavoring extracts and syrups, n.e.c.	73	72	83	81	80	76
209	Miscellaneous food and kindred products	67	67	73	72	72	72
2091	Canned and cured fish and seafoods	69	81	70	72	80	78
2092	Fresh or frozen prepared fish	62	63	63	69	73	66
2095	Roasted coffee	66	69	64	60	84	85
2096	Potato chips and similar snacks	75	76	89	83	78	81
2097	Manufactured ice	42	45	(S)	(S)	(S)	(S)
2098	Macaroni and spaghetti	81	80	84	90	90	85
2099	Food preparations, n.e.c.	63	61	72	72	69	71
21	Tobacco products	78	81	86	83	86	78
211	Cigarettes	77	80	87	83	87	78
2111	Cigarettes	77	80	87	83	87	78
212	Cigars	86	87	73	64	83	82
2121	Cigars	86	87	73	64	83	82
213	Chewing and smoking tobacco	(D)	(D)	88	85	89	88
2131	Chewing and smoking tobacco	(D)	(D)	88	85	89	88
214	Tobacco stemming and redrying	82	74	75	71	77	69
2141	Tobacco stemming and redrying	82	74	75	71	77	69
22	Textile mill products	81	82	87	85	84	85
221	Broadwoven fabric mills, cotton	88	87	97	97	92	89
2211	Broadwoven fabric mills, cotton	88	87	97	97	92	89
222	Broadwoven fabric mills, manmade fiber and silk	88	89	90	88	92	90
2221	Broadwoven fabric mills, manmade fiber and silk	88	89	90	88	92	90
223	Broadwoven fabric mills, wool	77	78	86	85	80	85
2231	Broadwoven fabric mills, wool	77	78	86	85	80	85
224	Narrow fabric mills	74	71	78	81	93	89
2241	Narrow fabric mills	74	71	78	81	93	89

See footnotes at end of table.

2 SURVEY OF PLANT CAPACITY

CURRENT INDUSTRIAL REPORTS

Table 1a. Full Production Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production rate					
		1996	1995	1994	1993	1992	1991
22	Textile mill products—Con.						
225	Knitting mills	79	81	84	81	82	85
2251	Women's hosiery, except socks	83	85	(S)	(S)	82	85
2252	Hosiery, n.e.c.	92	90	85	85	84	94
2253	Knit outerwear mills	76	79	83	83	88	90
2254	Knit underwear mills	78	85	81	63	95	90
2257	Weft knit fabric mills	71	74	86	(S)	74	76
2258	Lace and warp knit fabric mills	84	83	84	81	75	81
2259	Knitting mills, n.e.c.	81	76	90	88	79	78
226	Textile finishing, except wool	82	81	88	87	74	76
2261	Finishing plants, cotton	89	87	91	92	66	68
2262	Finishing plants, manmade	79	79	87	85	79	82
2269	Finishing plants, n.e.c.	79	75	87	86	78	78
227	Carpets and rugs	76	78	84	85	82	79
2273	Carpets and rugs	76	78	84	85	82	79
228	Yarn and thread mills	85	81	90	90	86	87
2281	Yarn spinning mills	85	80	92	90	87	87
2282	Throwing and winding mills	88	85	(S)	(S)	87	86
2284	Thread mills	84	85	79	79	82	87
229	Miscellaneous textile goods	78	81	84	84	84	84
2295	Coated fabrics, not rubberized	79	81	83	82	76	81
2296	Tire cord and fabrics	93	91	92	91	93	91
2297	Nonwoven fabrics	74	79	84	83	87	86
2298	Cordage and twine	70	74	77	80	80	75
2299	Textile goods, n.e.c.	85	83	85	84	82	83
23	Apparel and other textile products	80	79	85	86	85	86
231	Men's and boys' suits and coats	82	80	76	75	85	88
2311	Men's and boys' suits and coats	82	80	76	75	85	88
232	Men's and boys' furnishings	79	84	90	87	90	88
2321	Men's and boys' shirts	78	79	89	88	92	92
2322	Men's and boys' underwear and nightwear	85	86	86	67	96	93
2323	Men's and boys' neckwear	78	78	65	73	86	87
2325	Men's and boys' trousers and slacks	78	92	98	93	90	86
2326	Men's and boys' work clothing	84	85	87	75	94	91
2329	Men's and boys' clothing, n.e.c.	77	75	84	85	86	85
233	Women's and misses' outerwear	81	81	86	89	85	90
2331	Women's, misses', and juniors' blouses and shirts	81	86	95	95	77	89
2335	Women's, misses', and juniors' dresses	84	84	83	87	82	87
2337	Women's, misses', and juniors' suits and coats	85	83	(S)	(S)	92	93
2339	Women's, misses', and juniors' outerwear, n.e.c.	78	76	91	92	92	90
234	Women's and children's undergarments	88	80	89	90	90	91
2341	Women's and children's underwear	95	92	90	92	90	92
2342	Brassieres, girdles, and allied garments	81	70	88	88	88	89
235	Hats, caps, and millinery	78	76	87	86	85	84
2353	Hats, caps, and millinery	78	76	87	86	85	84
236	Girls' and children's outerwear	87	86	86	89	83	82
2361	Girls' and children's dresses and blouses	83	83	78	84	89	94
2369	Girls' and children's outerwear, n.e.c.	89	88	91	93	77	73
237	Fur goods	95	91	(S)	(S)	95	94
2371	Fur goods	95	91	(S)	(S)	95	94
238	Miscellaneous apparel and accessories	73	74	72	78	80	81
2381	Fabric dress and work gloves	73	82	82	84	86	86
2384	Robes and dressing gowns	73	75	(S)	(S)	90	96
2385	Waterproof outerwear	72	76	(S)	92	93	92
2386	Leather and sheep-lined clothing	84	100	85	88	89	81
2387	Apparel belts	67	78	62	64	68	72
2389	Apparel and accessories, n.e.c.	75	65	85	91	82	79
239	Miscellaneous fabricated textile products	78	74	83	83	78	78
2391	Curtains and draperies	79	75	81	83	81	80
2392	Housefurnishings, n.e.c.	81	74	83	88	80	82
2393	Textile bags	71	60	73	75	73	76
2394	Canvas and related products	60	62	60	60	80	78
2395	Pleating and stitching	66	61	(S)	(S)	75	76
2396	Automotive and apparel trimmings	83	78	87	89	81	81
2397	Schiffli machine embroideries	83	86	85	90	81	82
2399	Fabricated textile products, n.e.c.	79	75	88	79	72	69
24	Lumber and wood products	78	77	80	81	80	78
241	Logging	92	89	(S)	(S)	91	91
2411	Logging	92	89	(S)	(S)	91	91
242	Sawmills and planing mills	77	73	79	82	85	83
2421	Sawmills and planing mills, general	77	73	78	81	87	84
2426	Hardwood dimension and flooring mills	76	73	85	87	78	77
2429	Special product sawmills, n.e.c.	59	68	77	59	59	57
243	Millwork, plywood, and structural members	78	77	78	79	75	73
2431	Millwork	74	69	71	71	68	68
2434	Wood kitchen cabinets	78	79	87	89	81	75
2435	Hardwood veneer and plywood	83	81	86	85	85	86
2436	Softwood veneer and plywood	86	95	95	92	87	89
2439	Structural wood members, n.e.c.	77	74	66	66	65	66
244	Wood containers	74	77	73	70	83	85
2441	Nailed wood boxes and shook	57	56	61	58	73	79
2448	Wood pallets and skids	80	83	74	71	87	86
2449	Wood containers, n.e.c.	69	74	86	79	80	85

See footnotes at end of table.

Table 1a. Full Production Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production rate					
		1996	1995	1994	1993	1992	1991
24	Lumber and wood products—Con.						
245	Wood buildings and mobile homes	75	79	81	80	76	69
2451	Mobile homes	74	80	83	81	82	71
2452	Prefabricated wood buildings	78	77	79	77	68	66
249	Miscellaneous wood products	75	74	85	79	74	74
2491	Wood preserving	65	67	80	86	70	72
2493	Reconstituted wood products	86	88	92	92	87	82
2499	Wood products, n.e.c.	68	64	78	68	68	71
25	Furniture and fixtures	75	74	81	80	77	76
251	Household furniture	78	78	86	83	83	79
2511	Wood household furniture	83	79	87	84	85	79
2512	Upholstered household furniture	79	83	87	86	88	84
2514	Metal household furniture	62	62	87	82	72	71
2515	Mattresses and bedsprings	70	73	80	77	84	80
2517	Wood television and radio cabinets	68	68	66	63	64	73
2519	Household furniture, n.e.c.	86	84	82	82	86	87
252	Office furniture	71	69	72	74	71	70
2521	Wood office furniture	69	67	65	71	76	78
2522	Office furniture, except wood	71	70	75	74	70	68
253	Public building and related furniture	87	81	85	84	76	78
2531	Public building and related furniture	87	81	85	84	76	78
254	Partitions and fixtures	71	70	82	83	69	69
2541	Wood partitions and fixtures	68	67	79	83	70	70
2542	Partitions and fixtures, except wood	75	74	85	84	68	69
259	Miscellaneous furniture and fixtures	73	72	80	78	78	82
2591	Drapery hardware and blinds and shades	77	74	86	83	79	75
2599	Furniture and fixtures, n.e.c.	71	70	77	75	78	87
26	Paper and allied products	85	86	87	86	84	86
261	Pulp mills	92	90	97	92	91	94
2611	Pulp mills	92	90	97	92	91	94
262	Paper mills	91	92	98	98	93	95
2621	Paper mills	91	92	98	98	93	95
263	Paperboard mills	95	91	99	97	96	95
2631	Paperboard mills	95	91	99	97	96	95
265	Paperboard containers and boxes	78	79	81	79	84	85
2652	Setup paperboard boxes	75	75	77	78	86	73
2653	Corrugated and solid fiber boxes	79	80	82	78	88	87
2655	Fiber cans, drums, and similar products	81	81	77	77	85	84
2656	Sanitary food containers	72	74	80	81	75	78
2657	Folding paperboard boxes	76	78	82	81	81	86
267	Miscellaneous converted paper products	83	83	81	81	75	78
2671	Paper coated and laminated, packaging	82	80	79	79	78	80
2672	Paper coated and laminated, n.e.c.	90	87	79	75	79	80
2673	Bags plastics, laminated, and coated	82	83	70	68	78	78
2674	Bags uncoated paper and multiwall	80	84	90	87	77	79
2675	Die-cut paper and board	64	65	47	49	63	57
2676	Sanitary paper products	87	89	91	92	71	78
2677	Envelopes	76	78	88	90	89	88
2678	Stationery products	71	70	80	76	79	82
2679	Converted paper products, n.e.c.	77	73	90	91	82	84
27	Printing and publishing	81	81	83	83	82	82
271	Newspapers	83	84	78	83	84	84
2711	Newspapers	83	84	78	83	84	84
272	Periodicals	88	92	(S)	(S)	84	84
2721	Periodicals	88	92	(S)	(S)	84	84
273	Books	83	81	86	84	89	90
2731	Book publishing	83	80	(S)	(S)	91	92
2732	Book printing	85	86	87	87	80	80
274	Miscellaneous publishing	77	77	(S)	(S)	64	66
2741	Miscellaneous publishing	77	77	(S)	(S)	64	66
275	Commercial printing	78	80	83	83	84	83
2752	Commercial printing, lithographic	77	79	83	83	84	84
2754	Commercial printing, gravure	90	92	(S)	(S)	93	90
2759	Commercial printing, n.e.c.	81	83	84	82	82	81
276	Manifold business forms	70	73	79	78	79	78
2761	Manifold business forms	70	73	79	78	79	78
277	Greeting cards	75	75	80	73	79	83
2771	Greeting cards	75	75	80	73	79	83
278	Blankbooks and bookbinding	73	72	74	74	74	77
2782	Blankbooks and looseleaf binders	77	74	73	72	70	75
2789	Bookbinding and related work	65	68	77	77	87	82
279	Printing trade services	75	76	81	81	81	85
2791	Typesetting	78	81	(S)	75	81	85
2796	Platemaking services	74	74	82	84	82	85
28	Chemicals and allied products	75	74	78	78	78	79
281	Industrial inorganic chemicals	82	82	83	78	80	77
2812	Alkalies and chlorine	86	86	96	96	96	94
2813	Industrial gases	86	90	69	63	73	73
2816	Inorganic pigments	93	90	87	88	91	87
2819	Industrial inorganic chemicals, n.e.c.	79	78	85	80	79	74

See footnotes at end of table.

4 SURVEY OF PLANT CAPACITY

CURRENT INDUSTRIAL REPORTS

Table 1a. Full Production Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production rate					
		1996	1995	1994	1993	1992	1991
28	Chemicals and allied products—Con.						
282	Plastics materials and synthetics	86	86	87	85	86	87
2821	Plastics materials and resins	83	84	86	84	88	88
2822	Synthetic rubber	87	89	91	84	82	79
2823	Cellulosic manmade fibers	(D)	(D)	73	75	80	85
2824	Organic fibers, noncellulosic	92	89	91	88	86	89
283	Drugs	70	68	70	72	76	78
2833	Medicinals and botanicals	84	90	80	89	86	84
2834	Pharmaceutical preparations	67	63	67	70	74	76
2835	Diagnostic substances	72	74	73	70	90	85
2836	Biological products, except diagnostic	86	99	94	97	95	88
284	Soaps, cleaners, and toilet goods	67	63	78	75	72	72
2841	Soap and other detergents	58	57	72	70	74	73
2842	Polishes and sanitation goods	69	57	76	75	68	69
2843	Surface active agents	79	78	82	71	85	79
2844	Toilet preparations	72	68	82	78	70	72
285	Paints and allied products	69	68	69	67	75	77
2851	Paints and allied products	69	68	69	67	75	77
286	Industrial organic chemicals	85	84	89	90	82	86
2861	Gum and wood chemicals	90	81	73	65	84	83
2865	Cyclic crudes and intermediates	85	84	88	86	89	85
2869	Industrial organic chemicals, n.e.c.	84	84	89	91	81	86
287	Agricultural chemicals	91	87	88	84	82	72
2873	Nitrogenous fertilizers	96	97	93	90	92	91
2874	Phosphatic fertilizers	98	99	87	84	94	89
2875	Fertilizers, mixing only	73	72	77	77	56	54
2879	Agricultural chemicals, n.e.c.	90	83	88	83	80	67
289	Miscellaneous chemical products	73	72	82	83	79	79
2891	Adhesives and sealants	71	71	82	78	75	76
2892	Explosives	71	75	78	81	72	72
2893	Printing ink	72	64	77	79	79	77
2895	Carbon black	92	96	99	98	88	85
2899	Chemical preparations, n.e.c.	72	73	82	86	83	83
29	Petroleum and coal products	83	80	89	87	87	84
291	Petroleum refining	90	88	95	93	93	91
2911	Petroleum refining	90	88	95	93	93	91
295	Asphalt paving and roofing materials	57	53	70	70	61	58
2951	Asphalt paving mixtures and blocks	49	44	62	64	50	50
2952	Asphalt felts and coatings	73	70	80	78	79	71
299	Miscellaneous petroleum and coal products	66	65	69	71	73	70
2992	Lubricating oils and greases	63	61	66	68	69	66
2999	Petroleum and coal products, n.e.c.	83	85	89	90	90	88
30	Rubber and miscellaneous plastics products	79	78	85	83	78	76
301	Tires and inner tubes	92	92	94	92	94	89
3011	Tires and inner tubes	92	92	94	92	94	89
302	Rubber and plastics footwear	71	74	73	84	79	83
3021	Rubber and plastics footwear	71	74	73	84	79	83
305	Hose and belting and gaskets and packing	76	76	80	83	80	80
3052	Rubber and plastics hose and belting	76	78	87	80	77	77
3053	Gaskets, packing, and sealing devices	75	75	76	84	82	83
306	Fabricated rubber products, n.e.c.	76	74	76	76	80	81
3061	Mechanical rubber goods	77	73	63	69	74	73
3069	Fabricated rubber products, n.e.c.	75	75	89	83	85	86
308	Miscellaneous plastics products, n.e.c.	78	77	86	83	76	73
3081	Unsupported plastics film and sheet	84	83	88	90	80	83
3082	Unsupported plastics profile shapes	81	81	89	89	79	82
3083	Laminated plastics plate, sheet, and profile shapes	85	79	89	85	82	77
3084	Plastics pipe	88	86	88	89	79	78
3085	Plastics bottles	85	83	89	88	85	83
3086	Plastics foam products	75	76	79	78	80	78
3087	Custom compounding of purchased plastics resins	75	75	85	80	72	74
3088	Plastics plumbing fixtures	72	74	69	63	66	70
3089	Plastics products, n.e.c.	77	76	87	82	73	68
31	Leather and leather products	75	76	78	77	81	80
311	Leather tanning and finishing	78	75	83	78	73	75
3111	Leather tanning and finishing	78	75	83	78	73	75
313	Footwear cut stock	77	67	69	77	88	89
3131	Footwear cut stock	77	67	69	77	88	89
314	Footwear, except rubber	74	81	80	79	81	80
3142	House slippers	73	76	81	76	72	71
3143	Men's footwear, except athletic	70	79	76	78	85	84
3144	Women's footwear, except athletic	84	86	86	83	87	78
3149	Footwear, except rubber, n.e.c.	78	80	89	82	(S)	77
315	Leather gloves and mittens	72	74	87	88	68	68
3151	Leather gloves and mittens	72	74	87	88	68	68
316	Luggage	71	73	64	61	80	77
3161	Luggage	71	73	64	61	80	77
317	Handbags and personal leather goods	76	63	88	90	89	89
3171	Women's handbags and purses	79	72	89	(S)	96	96
3172	Personal leather goods, n.e.c.	73	57	88	91	79	78

See footnotes at end of table.

Table 1a. **Full Production Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.**

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production rate					
		1996	1995	1994	1993	1992	1991
31	Leather and leather products—Con.						
319	Leather goods, n.e.c.	75	76	77	77	85	83
3199	Leather goods, n.e.c.	75	76	77	77	85	83
32	Stone, clay, and glass products	78	78	81	78	77	76
321	Flat glass	87	86	99	98	94	93
3211	Flat glass	87	86	99	98	94	93
322	Glass and glassware, pressed or blown	87	91	93	90	90	84
3221	Glass containers	90	90	93	93	94	85
3229	Pressed and blown glass, n.e.c.	86	92	93	88	86	83
323	Products of purchased glass	77	77	84	81	77	75
3231	Products of purchased glass	77	77	84	81	77	75
324	Cement, hydraulic	86	86	97	91	83	80
3241	Cement, hydraulic	86	86	97	91	83	80
325	Structural clay products	78	77	87	83	78	76
3251	Brick and structural clay tile	87	83	89	83	79	70
3253	Ceramic wall and floor tile	83	77	95	95	87	89
3255	Clay refractories	68	68	80	75	70	74
3259	Structural clay products, n.e.c.	64	68	69	64	77	81
326	Pottery and related products	77	80	82	80	79	76
3261	Vitreous plumbing fixtures	86	83	97	92	82	80
3262	Vitreous china table and kitchenware	85	90	90	87	83	80
3263	Semivitreous table and kitchenware	83	86	86	83	83	82
3264	Porcelain electrical supplies	69	76	69	68	77	68
3269	Pottery products, n.e.c.	77	77	80	79	76	81
327	Concrete, gypsum, and plaster products	72	70	69	66	67	68
3271	Concrete block and brick	77	80	81	72	78	82
3272	Concrete products, n.e.c.	74	73	81	82	65	61
3273	Ready-mixed concrete	65	62	58	55	64	67
3274	Lime	81	81	89	81	83	86
3275	Gypsum products	96	94	95	91	83	82
328	Cut stone and stone products	76	77	80	79	76	79
3281	Cut stone and stone products	76	77	80	79	76	79
329	Miscellaneous nonmetallic mineral products	81	81	84	82	83	81
3291	Abrasive products	74	73	84	84	83	82
3292	Asbestos products	(X)	(X)	74	(D)	84	76
3295	Minerals, ground or treated	80	82	82	79	80	76
3296	Mineral wool	91	90	88	87	91	87
3297	Nonclay refractories	82	81	75	(D)	75	76
3299	Nonmetallic mineral products, n.e.c.	81	80	82	71	74	73
33	Primary metal industries	84	84	87	83	80	80
331	Blast furnace and basic steel products	85	85	90	86	83	84
3312	Blast furnaces and steel mills	87	88	92	87	84	85
3313	Electrometallurgical products	80	81	78	81	82	80
3315	Steel wire and related products	81	79	86	86	83	84
3316	Cold finishing of steel shapes	77	79	85	82	81	81
3317	Steel pipe and tubes	78	79	87	82	80	79
332	Iron and steel foundries	81	81	81	75	72	70
3321	Gray and ductile iron foundries	83	85	84	78	72	70
3322	Malleable iron foundries	84	82	88	83	76	73
3324	Steel investment foundries	75	72	72	66	72	73
3325	Steel foundries, n.e.c.	80	80	79	75	69	69
333	Primary nonferrous metals	87	87	88	84	93	93
3331	Primary copper	88	86	92	86	96	96
3334	Primary aluminum	88	88	85	84	99	99
3339	Primary nonferrous metals, n.e.c.	84	88	86	83	81	82
334	Secondary nonferrous metals	86	87	89	88	85	83
3341	Secondary nonferrous metals	86	87	89	88	85	83
335	Nonferrous rolling and drawing	85	84	85	83	81	80
3351	Copper rolling and drawing	92	91	91	86	84	86
3353	Aluminum sheet, plate, and foil	89	86	91	81	88	80
3354	Aluminum extruded products	83	83	84	76	76	71
3355	Aluminum rolling and drawing, n.e.c.	80	85	89	(D)	(D)	(D)
3356	Nonferrous rolling and drawing, n.e.c.	76	72	81	(D)	(D)	(D)
3357	Nonferrous wire drawing and insulating	85	86	82	89	80	81
336	Nonferrous foundries (castings)	78	78	82	80	72	73
3363	Aluminum die-castings	77	81	85	83	77	75
3364	Nonferrous die-castings, except aluminum	82	79	83	79	74	71
3365	Aluminum foundries	78	76	77	75	71	70
3366	Copper foundries	76	75	83	81	80	74
3369	Nonferrous foundries, n.e.c.	81	76	83	83	(S)	81
339	Miscellaneous primary metal products	79	77	82	81	66	68
3398	Metal heat treating	79	74	83	77	64	66
3399	Primary metal products, n.e.c.	79	81	81	86	69	71
34	Fabricated metal products	74	73	79	78	74	74
341	Metal cans and shipping containers	85	81	87	86	82	79
3411	Metal cans	87	82	89	88	82	81
3412	Metal barrels, drums, and pails	73	72	75	74	84	66
342	Cutlery, handtools, and hardware	77	76	85	83	82	80
3421	Cutlery	90	89	90	92	93	95
3423	Hand and edge tools, n.e.c.	72	74	81	76	77	77
3425	Saw blades and handsaws	81	75	86	84	82	84
3429	Hardware, n.e.c.	76	75	86	86	82	78

See footnotes at end of table.

Table 1a. Full Production Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production rate					
		1996	1995	1994	1993	1992	1991
34	Fabricated metal products—Con.						
343	Plumbing and heating, except electric	71	70	80	77	68	70
3431	Metal sanitary ware	75	75	89	89	79	82
3432	Plumbing fixture fittings and trim	71	70	75	74	74	73
3433	Heating equipment, except electric	71	68	84	81	59	63
344	Fabricated structural metal products	73	71	75	75	71	71
3441	Fabricated structural metal	78	70	71	68	72	77
3442	Metal doors, sash, and trim	74	71	78	78	77	74
3443	Fabricated plate work (boiler shops)	71	72	77	82	73	78
3444	Sheet metal work	69	70	76	74	63	58
3446	Architectural metal work	73	72	72	73	76	76
3448	Prefabricated metal buildings	75	77	79	78	80	78
3449	Miscellaneous metal work	76	74	71	69	69	72
345	Screw machine products, bolts, etc.	73	74	82	80	77	80
3451	Screw machine products	69	70	80	79	77	77
3452	Bolts, nuts, rivets, and washers	77	79	84	81	77	81
346	Metal forgings and stampings	74	73	80	78	76	75
3462	Iron and steel forgings	78	70	73	73	60	59
3463	Nonferrous forgings	81	81	79	77	73	77
3465	Automotive stampings	73	75	87	88	87	84
3466	Crowns and closures	76	73	78	80	83	84
3469	Metal stampings, n.e.c.	74	71	73	69	71	72
347	Metal services, n.e.c.	73	72	80	77	72	73
3471	Plating and polishing	72	71	84	79	73	73
3479	Metal coating and allied services	74	74	76	74	72	71
348	Ordnance and accessories, n.e.c.	61	61	69	67	65	68
3482	Small arms ammunition	67	68	58	52	56	64
3483	Ammunition, except for small arms, n.e.c.	52	49	66	61	69	75
3484	Small arms	71	84	91	87	88	84
3489	Ordnance and accessories, n.e.c.	59	57	67	76	56	56
349	Miscellaneous fabricated metal products	75	75	78	78	76	75
3491	Industrial valves	73	74	77	82	72	76
3492	Fluid power valves and hose fittings	77	77	81	78	81	81
3493	Steel springs, except wire	60	67	72	68	64	56
3494	Valves and pipe fittings, n.e.c.	71	68	86	85	68	72
3495	Wire springs	80	80	84	84	81	76
3496	Miscellaneous fabricated wire products	72	72	83	82	77	77
3497	Metal foil and leaf	87	86	70	83	85	84
3498	Fabricated pipe and fittings	76	76	78	75	68	73
3499	Fabricated metal products, n.e.c.	76	77	76	71	80	74
35	Industrial machinery and equipment	73	74	79	76	74	74
351	Engines and turbines	79	81	85	79	83	76
3511	Turbines and turbine generator sets	95	94	85	84	90	91
3519	Internal combustion engines, n.e.c.	75	77	86	75	79	70
352	Farm and garden machinery	74	72	76	77	60	64
3523	Farm machinery and equipment	76	72	78	77	58	64
3524	Lawn and garden equipment	67	73	73	78	68	63
353	Construction and related machinery	76	74	79	74	68	64
3531	Construction machinery	81	75	81	74	68	58
3532	Mining machinery	76	76	63	62	60	64
3533	Oil and gas field machinery	71	66	77	78	72	77
3534	Elevators and moving stairways	71	69	73	72	68	69
3535	Conveyors and conveying equipment	74	74	84	78	68	65
3536	Hoists, cranes, and monorails	75	75	82	82	69	70
3537	Industrial trucks and tractors	72	76	75	73	72	72
354	Metalworking machinery	74	76	81	78	78	78
3541	Machine tools, metal cutting types	74	76	79	65	70	65
3542	Machine tools, metal forming types	76	80	76	77	74	63
3543	Industrial patterns	74	79	78	71	55	74
3544	Special dies, tools, jigs, and fixtures	74	75	82	85	81	83
3545	Machine tool accessories	76	77	82	78	76	76
3546	Power-driven handtools	77	80	76	69	83	75
3547	Rolling mill machinery	87	91	69	85	80	78
3548	Welding apparatus	79	74	86	86	84	88
3549	Metalworking machinery, n.e.c.	80	74	79	72	75	87
355	Special industry machinery	71	73	79	75	80	79
3552	Textile machinery	67	64	73	79	72	68
3553	Woodworking machinery	67	69	69	69	69	61
3554	Paper industries machinery	87	92	89	82	81	84
3555	Printing trades machinery	74	74	87	79	73	77
3556	Food products machinery	71	71	80	81	79	85
3559	Special industry machinery, n.e.c.	69	72	78	72	84	82
356	General industrial machinery	73	74	79	76	72	73
3561	Pumps and pumping equipment	70	68	77	77	65	65
3562	Ball and roller bearings	81	83	91	80	82	81
3563	Air and gas compressors	75	72	82	75	66	69
3564	Blowers and fans	65	66	73	75	66	68
3565	Packaging machinery	77	81	83	84	85	85
3566	Speed changers, drives, and gears	76	82	77	76	78	74
3567	Industrial furnaces and ovens	71	73	68	64	74	77
3568	Power transmission equipment, n.e.c.	76	72	81	78	67	69
3569	General industrial machinery, n.e.c.	73	73	73	72	72	74
357	Computer and office equipment	73	77	77	77	77	80
3571	Electronic computers	69	74	73	73	75	82
3572	Computer storage devices	96	85	86	94	88	86
3575	Computer terminals	85	88	(S)	78	75	80
3577	Computer peripheral equipment, n.e.c.	69	82	82	77	76	69
3578	Calculating and accounting equipment	82	78	78	74	73	70
3579	Office machines, n.e.c.	76	79	85	88	83	79

See footnotes at end of table.

Table 1a. Full Production Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production rate					
		1996	1995	1994	1993	1992	1991
35	Industrial machinery and equipment—Con.						
358	Refrigeration and service machinery	67	68	79	76	76	76
3581	Automatic vending machines	67	70	80	73	76	69
3582	Commercial laundry equipment	77	82	89	93	69	68
3585	Refrigeration and heating equipment	65	67	79	77	76	77
3586	Measuring and dispensing pumps	74	79	76	73	67	56
3589	Service industry machinery, n.e.c.	68	69	78	72	79	77
359	Industrial machinery, n.e.c.	72	72	77	77	72	72
3592	Carburetors, pistons, rings, and valves	83	79	93	82	81	75
3593	Fluid power cylinders and actuators	71	68	67	64	59	61
3594	Fluid power pumps and motors	78	76	84	79	50	49
3596	Scales and balances, except laboratory	68	71	85	83	85	81
3599	Industrial machinery, n.e.c.	72	71	76	77	75	76
36	Electronic and other electric equipment	75	77	81	79	76	76
361	Electric distribution equipment	78	76	72	70	75	72
3612	Transformers, except electronic	74	73	77	76	73	71
3613	Switchgear and switchboard apparatus	80	79	69	67	76	73
362	Electrical industrial apparatus	76	76	84	80	77	77
3621	Motors and generators	80	80	82	79	81	81
3624	Carbon and graphite products	85	87	89	86	82	80
3625	Relays and industrial controls	71	71	84	79	76	75
3629	Electrical industrial apparatus, n.e.c.	76	74	85	83	69	70
363	Household appliances	76	79	82	84	79	75
3631	Household cooking equipment	66	66	72	72	62	63
3632	Household refrigerators and freezers	69	79	80	82	75	77
3633	Household laundry equipment	81	83	89	(D)	(D)	(D)
3634	Electric housewares and fans	74	74	88	88	86	81
3635	Household vacuum cleaners	83	82	70	75	79	68
3639	Household appliances, n.e.c.	93	90	92	(D)	(D)	(D)
364	Electric lighting and wiring equipment	73	73	81	80	77	75
3641	Electric lamp bulbs and tubes	70	71	85	85	82	82
3643	Current-carrying wiring devices	74	70	83	83	76	75
3644	Noncurrent-carrying wiring devices	74	71	80	79	75	77
3645	Residential lighting fixtures	74	74	74	73	59	51
3646	Commercial lighting fixtures	71	73	80	76	74	76
3647	Vehicular lighting equipment	78	82	81	81	83	74
3648	Lighting equipment, n.e.c.	74	73	78	78	82	77
365	Household audio and video equipment	73	74	85	86	74	72
3651	Household audio and video equipment	69	69	85	86	68	67
3652	Prerecorded records and tapes	79	84	84	86	87	82
366	Communications equipment	70	72	75	74	75	74
3661	Telephone and telegraph apparatus	71	75	79	80	77	73
3663	Radio and television communications equipment	68	71	70	67	72	73
3669	Communications equipment, n.e.c.	73	66	84	81	86	83
367	Electronic components and accessories	78	81	84	81	75	79
3671	Electron tubes	86	84	69	69	80	77
3672	Printed circuit boards	77	81	83	78	86	79
3674	Semiconductors and related devices	80	84	90	87	73	82
3675	Electronic capacitors	82	86	88	85	75	78
3676	Electronic resistors	61	65	60	60	76	77
3677	Electronic coils and transformers	67	71	76	73	71	77
3678	Electronic connectors	70	69	68	62	75	78
3679	Electronic components, n.e.c.	74	73	79	77	74	73
369	Miscellaneous electrical equipment and supplies	78	78	80	76	81	80
3691	Storage batteries	78	86	80	77	86	83
3692	Primary batteries, dry and wet	79	79	86	83	88	83
3694	Engine electrical equipment	78	77	92	91	85	80
3695	Magnetic and optical recording media	87	87	91	89	87	87
3699	Electrical equipment and supplies, n.e.c.	71	70	61	54	72	74
37	Transportation equipment	72	72	73	72	72	72
371	Motor vehicles and equipment	77	81	82	79	73	68
3711	Motor vehicles and car bodies	77	85	82	80	71	64
3713	Truck and bus bodies	69	73	70	66	74	71
3714	Motor vehicle parts and accessories	79	79	84	80	76	79
3715	Truck trailers	75	77	89	81	63	55
3716	Motor homes	54	52	59	59	52	49
372	Aircraft and parts	65	58	60	63	75	79
3721	Aircraft	61	54	55	59	70	74
3724	Aircraft engines and engine parts	80	70	66	66	73	78
3728	Aircraft parts and equipment	67	59	67	70	88	88
373	Ship and boat building and repairing	70	69	67	69	71	83
3731	Ship building and repairing	72	73	67	71	73	88
3732	Boat building and repairing	65	62	66	64	63	69
374	Railroad equipment	80	81	82	82	67	61
3743	Railroad equipment	80	81	82	82	67	61
375	Motorcycles, bicycles, and parts	89	88	88	88	93	86
3751	Motorcycles, bicycles, and parts	89	88	88	88	93	86
376	Guided missiles, space vehicles, parts	65	66	66	62	65	70
3761	Guided missiles and space vehicles	69	74	71	67	72	75
3764	Space propulsion units and parts	53	47	51	45	45	50
3769	Space vehicle equipment, n.e.c.	60	59	65	67	53	65
379	Miscellaneous transportation equipment	62	61	70	71	72	67
3792	Travel trailers and campers	62	63	71	72	66	59
3795	Tanks and tank components	50	46	53	56	68	61
3799	Transportation equipment, n.e.c.	72	74	91	87	83	83

See footnotes at end of table.

Table 1a. Full Production Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production rate					
		1996	1995	1994	1993	1992	1991
38	Instruments and related products	71	71	71	70	73	76
381	Search and navigation equipment	58	60	56	56	66	71
3812	Search and navigation equipment	58	60	56	56	66	71
382	Measuring and controlling devices	70	71	75	73	71	73
3821	Laboratory apparatus and furniture	81	83	75	76	78	77
3822	Environmental controls	73	72	70	66	84	83
3823	Process control instruments	64	66	68	66	72	72
3824	Fluid meters and counting devices	81	73	92	86	90	78
3825	Instruments to measure electricity	72	73	74	73	70	73
3826	Analytical instruments	68	71	83	81	69	75
3827	Optical instruments and lenses	72	72	79	77	59	60
3829	Measuring and controlling devices, n.e.c.	67	65	76	70	68	73
384	Medical instruments and supplies	77	75	75	75	76	78
3841	Surgical and medical instruments	73	71	65	64	69	72
3842	Surgical appliances and supplies	76	77	87	85	86	85
3843	Dental equipment and supplies	76	74	78	78	82	80
3844	X-ray apparatus and tubes	81	74	81	80	76	81
3845	Electromedical equipment	83	81	78	79	69	75
385	Ophthalmic goods	78	79	84	83	81	82
3851	Ophthalmic goods	78	79	84	83	81	82
386	Photographic equipment and supplies	82	83	92	85	88	85
3861	Photographic equipment and supplies	82	83	92	85	88	85
387	Watches, clocks, watchcases, and parts	67	65	67	61	69	66
3873	Watches, clocks, watchcases, and parts	67	65	67	61	69	66
39	Miscellaneous manufacturing industries	74	76	75	75	71	68
391	Jewelry, silverware, and plated ware	82	80	83	81	71	69
3911	Jewelry, precious metal	82	79	89	86	68	66
3914	Silverware and plated ware	86	90	78	83	87	88
3915	Jewelers' materials and lapidary work	79	75	63	65	63	65
393	Musical instruments	79	80	86	78	76	79
3931	Musical instruments	79	80	86	78	76	79
394	Toys and sporting goods	68	72	72	72	67	60
3942	Dolls and stuffed toys	63	69	56	71	59	48
3944	Games, toys, and children's vehicles	66	70	70	73	77	79
3949	Sporting and athletic goods, n.e.c.	69	73	73	72	64	54
395	Pens, pencils, office, and art supplies	80	82	73	70	72	72
3951	Pens and mechanical pencils	78	79	60	57	74	75
3952	Lead pencils and art goods	85	87	92	90	92	91
3953	Marking devices	85	87	85	86	52	51
3955	Carbon paper and inked ribbons	72	76	64	63	72	71
396	Costume jewelry and notions	72	74	74	75	81	80
3961	Costume jewelry	71	75	70	74	81	78
3965	Fasteners, buttons, needles, and pins	75	72	83	76	81	83
399	Miscellaneous manufactures	76	77	75	75	73	72
3991	Brooms and brushes	68	71	61	59	75	76
3993	Signs and advertising specialties	75	73	77	75	64	58
3995	Burial caskets	85	87	90	90	80	82
3996	Hard surface floor coverings, n.e.c.	76	76	88	85	83	80
3999	Manufacturing industries, n.e.c.	78	80	73	76	77	81

¹SIC 2067, Chewing Gum is combined with SIC 2064 as of 1993.

Note: Some data are revised to include additional information. See Introduction for a discussion of the revision.

Table 1b. **National Emergency Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996**

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	National emergency rate					
		1996	1995	1994	1993	1992	1991
	All industries	57	57	63	61	62	62
	Durable goods industries	54	54	59	57	58	58
	Nondurable goods industries	60	60	67	67	66	66
	Advanced processing industries	55	54	60	59	60	60
	Primary processing industries	62	63	69	67	68	67
20	Food and kindred products	61	62	66	66	68	68
201	Meat products	63	64	74	74	67	68
2011	Meat packing plants	62	66	76	74	62	61
2013	Sausages and other prepared meats	58	59	71	74	70	71
2015	Poultry slaughtering and processing	67	65	76	75	69	72
202	Dairy products	69	68	74	74	64	64
2021	Creamery butter	68	65	63	68	62	63
2022	Cheese, natural and processed	84	86	80	81	58	59
2023	Dry, condensed, and evaporated dairy products	67	68	71	67	65	62
2024	Ice cream and frozen desserts	59	57	65	66	50	53
2026	Fluid milk	68	66	78	78	73	73
203	Preserved fruits and vegetables	55	60	63	65	68	70
2032	Canned specialties	71	69	57	64	85	84
2033	Canned fruits and vegetables	36	48	57	58	69	69
2034	Dehydrated fruits, vegetables, and soups	55	52	61	57	67	64
2035	Pickles, sauces, and salad dressings	55	55	61	60	51	52
2037	Frozen fruits and vegetables	82	82	86	86	66	75
2038	Frozen specialties, n.e.c.	69	66	68	73	76	79
204	Grain mill products	69	67	72	71	74	74
2041	Flour and other grain mill products	85	84	85	82	82	85
2043	Cereal breakfast foods	80	76	72	68	78	78
2044	Rice milling	80	75	93	93	91	88
2045	Prepared flour mixes and doughs	55	53	70	72	52	52
2046	Wet corn milling	67	66	96	96	96	96
2047	Dog and cat food	76	75	79	83	70	72
2048	Prepared feeds, n.e.c.	55	53	54	53	63	63
205	Bakery products	62	64	67	69	76	75
2051	Bread, cake, and related products	69	70	65	70	78	76
2052	Cookies and crackers	51	56	70	67	73	75
2053	Frozen bakery products, except bread	61	64	68	70	66	65
206	Sugar and confectionery products	62	63	64	65	68	67
2061	Raw cane sugar	95	96	94	95	80	82
2062	Cane sugar refining	78	66	71	(D)	(D)	(D)
2063	Beet sugar	92	93	96	95	78	88
2064	Candy and other confectionery products	56	60	59	59	64	62
2066	Chocolate and cocoa products	72	69	67	78	77	76
2067	Chewing gum ¹	(X)	(X)	(X)	(X)	(D)	(D)
2068	Salted and roasted nuts and seeds	62	53	60	(D)	55	56
207	Fats and oils	66	72	74	70	81	83
2074	Cottonseed oil mills	69	85	95	95	92	93
2075	Soybean oil mills	94	92	86	83	92	93
2076	Vegetable oil mills, n.e.c.	69	80	58	51	96	89
2077	Animal and marine fats and oils	52	55	65	72	80	79
2079	Edible fats and oils, n.e.c.	59	61	58	59	72	78
208	Beverages	58	57	59	58	64	64
2082	Malt beverages	74	73	74	72	83	85
2083	Malt	97	97	99	91	97	99
2084	Wines, brandy, and brandy spirits	61	64	44	45	74	75
2085	Distilled and blended liquors	38	38	38	39	50	50
2086	Bottled and canned soft drinks	53	55	62	60	55	57
2087	Flavoring extracts and syrups, n.e.c.	53	50	53	51	60	54
209	Miscellaneous food and kindred products	54	53	59	57	62	63
2091	Canned and cured fish and seafoods	59	70	61	68	63	67
2092	Fresh or frozen prepared fish	40	41	44	46	65	60
2095	Roasted coffee	59	60	61	58	73	75
2096	Potato chips and similar snacks	61	61	68	61	68	70
2097	Manufactured ice	30	32	(S)	(S)	(S)	(S)
2098	Macaroni and spaghetti	77	76	79	84	79	74
2099	Food preparations, n.e.c.	50	49	57	55	59	61
21	Tobacco products	70	72	78	75	76	71
211	Cigarettes	72	74	81	78	78	73
2111	Cigarettes	72	74	81	78	78	73
212	Cigars	57	59	47	40	42	41
2121	Cigars	57	59	47	40	42	41
213	Chewing and smoking tobacco	(D)	(D)	60	58	72	70
2131	Chewing and smoking tobacco	(D)	(D)	60	58	72	70
214	Tobacco stemming and redrying	74	67	57	54	58	51
2141	Tobacco stemming and redrying	74	67	57	54	58	51
22	Textile mill products	67	69	79	77	77	76
221	Broadwoven fabric mills, cotton	83	83	97	96	91	87
2211	Broadwoven fabric mills, cotton	83	83	97	96	91	87
222	Broadwoven fabric mills, manmade fiber and silk	81	84	88	87	91	88
2221	Broadwoven fabric mills, manmade fiber and silk	81	84	88	87	91	88
223	Broadwoven fabric mills, wool	58	59	77	76	69	73
2231	Broadwoven fabric mills, wool	58	59	77	76	69	73
224	Narrow fabric mills	56	60	71	75	63	60
2241	Narrow fabric mills	56	60	71	75	63	60

See footnotes at end of table.

Table 1b. National Emergency Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	National emergency rate					
		1996	1995	1994	1993	1992	1991
22	Textile mill products—Con.						
225	Knitting mills	58	61	77	72	71	70
2251	Women's hosiery, except socks	73	74	(S)	(S)	67	69
2252	Hosiery, n.e.c.	63	67	74	72	77	84
2253	Knit outerwear mills	55	57	79	75	67	64
2254	Knit underwear mills	45	51	63	46	67	67
2257	Weft knit fabric mills	53	57	82	(S)	72	71
2258	Lace and warp knit fabric mills	70	70	77	70	71	76
2259	Knitting mills, n.e.c.	64	71	85	84	56	56
226	Textile finishing, except wool	75	73	83	82	70	72
2261	Finishing plants, cotton	79	77	83	83	65	67
2262	Finishing plants, manmade	74	71	82	81	74	77
2269	Finishing plants, n.e.c.	76	72	86	85	69	70
227	Carpets and rugs	68	71	72	74	71	69
2273	Carpets and rugs	68	71	72	74	71	69
228	Yarn and thread mills	71	69	88	88	85	85
2281	Yarn spinning mills	67	64	91	89	85	85
2282	Throwing and winding mills	80	81	(S)	(S)	85	85
2284	Thread mills	81	83	79	79	81	86
229	Miscellaneous textile goods	63	67	70	68	77	76
2295	Coated fabrics, not rubberized	54	66	50	46	62	65
2296	Tire cord and fabrics	89	85	83	82	87	80
2297	Nonwoven fabrics	61	65	82	81	81	80
2298	Cordage and twine	51	52	65	65	77	72
2299	Textile goods, n.e.c.	77	74	76	75	79	80
23	Apparel and other textile products	45	44	53	55	59	58
231	Men's and boys' suits and coats	42	40	54	54	47	51
2311	Men's and boys' suits and coats	42	40	54	54	47	51
232	Men's and boys' furnishings	38	40	43	45	57	54
2321	Men's and boys' shirts	35	33	40	41	43	40
2322	Men's and boys' underwear and nightwear	40	52	35	61	50	38
2323	Men's and boys' neckwear	42	40	55	61	54	53
2325	Men's and boys' trousers and slacks	42	50	38	41	67	63
2326	Men's and boys' work clothing	49	34	49	43	69	69
2329	Men's and boys' clothing, n.e.c.	36	36	63	68	68	71
233	Women's and misses' outerwear	52	50	65	63	64	64
2331	Women's, misses', and juniors' blouses and shirts	64	72	94	95	52	47
2335	Women's, misses', and juniors' dresses	68	71	68	80	67	73
2337	Women's, misses', and juniors' suits and coats	47	38	(S)	(S)	60	62
2339	Women's, misses', and juniors' outerwear, n.e.c.	42	40	59	53	73	74
234	Women's and children's undergarments	53	49	74	74	70	72
2341	Women's and children's underwear	46	48	75	77	63	65
2342	Brassieres, girdles, and allied garments	68	50	72	71	85	87
235	Hats, caps, and millinery	40	40	58	48	55	53
2353	Hats, caps, and millinery	40	40	58	48	55	53
236	Girls' and children's outerwear	39	43	57	62	57	50
2361	Girls' and children's dresses and blouses	34	35	65	64	57	56
2369	Girls' and children's outerwear, n.e.c.	42	50	54	61	56	44
237	Fur goods	62	60	(S)	(S)	91	89
2371	Fur goods	62	60	(S)	(S)	91	89
238	Miscellaneous apparel and accessories	33	35	49	52	57	55
2381	Fabric dress and work gloves	39	45	38	38	75	82
2384	Robes and dressing gowns	26	27	(S)	(S)	44	37
2385	Waterproof outerwear	40	41	(S)	64	83	88
2386	Leather and sheep-lined clothing	70	88	68	76	37	32
2387	Apparel belts	27	30	48	55	55	57
2389	Apparel and accessories, n.e.c.	36	33	63	54	66	63
239	Miscellaneous fabricated textile products	48	42	52	53	56	56
2391	Curtains and draperies	31	29	55	58	56	56
2392	Housefurnishings, n.e.c.	53	47	51	54	66	66
2393	Textile bags	38	34	43	49	44	45
2394	Canvas and related products	37	42	46	44	52	54
2395	Pleating and stitching	46	40	(S)	(S)	52	50
2396	Automotive and apparel trimmings	52	46	57	58	62	62
2397	Schiffli machine embroideries	74	82	80	87	70	72
2399	Fabricated textile products, n.e.c.	46	39	49	46	42	43
24	Lumber and wood products	52	52	53	54	52	52
241	Logging	80	75	(S)	(S)	66	70
2411	Logging	80	75	(S)	(S)	66	70
242	Sawmills and planing mills	48	46	43	44	53	55
2421	Sawmills and planing mills, general	49	47	42	43	55	57
2426	Hardwood dimension and flooring mills	41	42	49	51	46	44
2429	Special product sawmills, n.e.c.	39	41	54	51	56	49
243	Millwork, plywood, and structural members	53	53	54	55	47	46
2431	Millwork	53	50	49	52	35	35
2434	Wood kitchen cabinets	43	43	45	42	51	48
2435	Hardwood veneer and plywood	67	67	62	57	78	80
2436	Softwood veneer and plywood	76	85	94	92	84	85
2439	Structural wood members, n.e.c.	52	49	57	56	53	51
244	Wood containers	42	42	56	53	53	54
2441	Nailed wood boxes and shooks	34	36	41	32	40	39
2448	Wood pallets and skids	44	43	61	61	72	72
2449	Wood containers, n.e.c.	44	48	46	41	30	32

See footnotes at end of table.

Table 1b. **National Emergency Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.**

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	National emergency rate					
		1996	1995	1994	1993	1992	1991
24	Lumber and wood products—Con.						
245	Wood buildings and mobile homes	38	42	44	44	43	39
2451	Mobile homes	35	41	42	43	40	36
2452	Prefabricated wood buildings	50	44	47	47	49	47
249	Miscellaneous wood products	59	60	71	68	59	59
2491	Wood preserving	41	43	58	68	58	58
2493	Reconstituted wood products	79	81	86	85	79	75
2499	Wood products, n.e.c.	53	51	61	56	51	52
25	Furniture and fixtures	47	46	52	52	52	51
251	Household furniture	45	43	55	52	54	51
2511	Wood household furniture	47	43	60	57	55	49
2512	Upholstered household furniture	43	46	52	52	60	59
2514	Metal household furniture	44	44	56	49	48	49
2515	Mattresses and bedsprings	37	37	46	44	44	43
2517	Wood television and radio cabinets	46	58	39	38	46	53
2519	Household furniture, n.e.c.	68	71	71	70	79	80
252	Office furniture	53	53	42	45	50	48
2521	Wood office furniture	47	47	29	33	56	55
2522	Office furniture, except wood	55	55	49	51	48	46
253	Public building and related furniture	55	54	67	64	65	65
2531	Public building and related furniture	55	54	67	64	65	65
254	Partitions and fixtures	45	45	57	56	50	51
2541	Wood partitions and fixtures	38	41	50	52	48	48
2542	Partitions and fixtures, except wood	53	51	66	61	51	53
259	Miscellaneous furniture and fixtures	44	46	50	49	50	56
2591	Drapery hardware and blinds and shades	57	52	42	40	67	65
2599	Furniture and fixtures, n.e.c.	40	43	58	56	43	51
26	Paper and allied products	74	75	78	77	75	77
261	Pulp mills	92	90	96	92	91	94
2611	Pulp mills	92	90	96	92	91	94
262	Paper mills	89	91	93	95	92	94
2621	Paper mills	89	91	93	95	92	94
263	Paperboard mills	93	89	97	95	95	95
2631	Paperboard mills	93	89	97	95	95	95
265	Paperboard containers and boxes	59	61	66	64	63	63
2652	Setup paperboard boxes	37	38	42	43	53	42
2653	Corrugated and solid fiber boxes	60	64	71	67	65	65
2655	Fiber cans, drums, and similar products	56	56	44	45	42	42
2656	Sanitary food containers	61	62	65	64	66	68
2657	Folding paperboard boxes	61	58	72	72	67	70
267	Miscellaneous converted paper products	69	68	72	71	68	70
2671	Paper coated and laminated, packaging	69	66	74	74	75	76
2672	Paper coated and laminated, n.e.c.	84	76	65	62	73	73
2673	Bags plastics, laminated, and coated	70	72	65	63	66	68
2674	Bags uncoated paper and multiwall	62	67	78	76	71	74
2675	Die-cut paper and board	54	55	34	36	47	44
2676	Sanitary paper products	77	78	86	85	67	73
2677	Envelopes	61	55	78	79	78	76
2678	Stationery products	44	41	70	66	64	61
2679	Converted paper products, n.e.c.	57	54	79	78	72	73
27	Printing and publishing	54	53	66	68	59	59
271	Newspapers	48	50	62	64	59	59
2711	Newspapers	48	50	62	64	59	59
272	Periodicals	55	45	(S)	(S)	43	41
2721	Periodicals	55	45	(S)	(S)	43	41
273	Books	68	67	76	71	73	77
2731	Book publishing	68	66	(S)	(S)	75	79
2732	Book printing	71	72	81	81	67	67
274	Miscellaneous publishing	38	37	(S)	(S)	49	52
2741	Miscellaneous publishing	38	37	(S)	(S)	49	52
275	Commercial printing	56	59	64	64	67	67
2752	Commercial printing, lithographic	56	59	67	68	67	68
2754	Commercial printing, gravure	79	86	(S)	(S)	89	87
2759	Commercial printing, n.e.c.	55	54	52	49	61	59
276	Manifold business forms	56	59	65	66	70	70
2761	Manifold business forms	56	59	65	66	70	70
277	Greeting cards	69	68	62	56	59	61
2771	Greeting cards	69	68	62	56	59	61
278	Blankbooks and bookbinding	58	56	55	53	42	43
2782	Blankbooks and looseleaf binders	62	57	53	50	41	43
2789	Bookbinding and related work	50	53	60	59	46	41
279	Printing trade services	54	56	62	62	65	67
2791	Typesetting	56	62	(S)	50	70	70
2796	Platemaking services	53	53	68	70	62	64
28	Chemicals and allied products	62	61	66	65	66	65
281	Industrial inorganic chemicals	77	78	62	55	77	73
2812	Alkalies and chlorine	83	83	96	96	96	94
2813	Industrial gases	78	88	68	61	66	66
2816	Inorganic pigments	90	89	80	80	90	87
2819	Industrial inorganic chemicals, n.e.c.	74	74	57	49	75	70

See footnotes at end of table.

Table 1b. **National Emergency Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.**

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	National emergency rate					
		1996	1995	1994	1993	1992	1991
28	Chemicals and allied products—Con.						
282	Plastics materials and synthetics	78	78	84	80	85	86
2821	Plastics materials and resins	76	76	81	77	86	86
2822	Synthetic rubber	71	71	91	82	79	77
2823	Cellulosic manmade fibers	(D)	(D)	73	74	79	85
2824	Organic fibers, noncellulosic	82	86	90	88	86	89
283	Drugs	53	51	58	63	59	57
2833	Medicinals and botanicals	82	89	80	88	84	81
2834	Pharmaceutical preparations	50	47	55	60	59	58
2835	Diagnostic substances	48	48	59	56	41	41
2836	Biological products, except diagnostic	85	99	90	91	91	83
284	Soaps, cleaners, and toilet goods	55	51	56	54	56	56
2841	Soap and other detergents	49	48	52	51	55	54
2842	Polishes and sanitation goods	60	45	43	42	50	49
2843	Surface active agents	61	59	54	42	83	78
2844	Toilet preparations	58	55	68	64	58	60
285	Paints and allied products	49	48	57	58	52	51
2851	Paints and allied products	49	48	57	58	52	51
286	Industrial organic chemicals	80	80	86	88	80	85
2861	Gum and wood chemicals	90	81	72	64	83	82
2865	Cyclic crudes and intermediates	71	69	86	84	88	83
2869	Industrial organic chemicals, n.e.c.	82	82	87	89	79	85
287	Agricultural chemicals	79	73	78	70	69	62
2873	Nitrogenous fertilizers	96	97	92	87	66	59
2874	Phosphatic fertilizers	97	97	98	83	94	89
2875	Fertilizers, mixing only	42	41	61	60	45	43
2879	Agricultural chemicals, n.e.c.	76	70	73	64	68	60
289	Miscellaneous chemical products	55	56	65	65	59	59
2891	Adhesives and sealants	54	54	65	60	51	52
2892	Explosives	49	51	70	75	63	64
2893	Printing ink	45	42	50	52	58	56
2895	Carbon black	92	93	96	94	80	78
2899	Chemical preparations, n.e.c.	58	60	67	69	62	62
29	Petroleum and coal products	73	70	77	76	77	75
291	Petroleum refining	88	86	92	90	93	90
2911	Petroleum refining	88	86	92	90	93	90
295	Asphalt paving and roofing materials	39	35	48	49	37	37
2951	Asphalt paving mixtures and blocks	29	26	37	39	25	27
2952	Asphalt felts and coatings	64	61	69	65	70	62
299	Miscellaneous petroleum and coal products	51	50	43	47	53	49
2992	Lubricating oils and greases	47	46	39	42	47	44
2999	Petroleum and coal products, n.e.c.	79	81	82	82	89	88
30	Rubber and miscellaneous plastics products	59	59	71	69	68	68
301	Tires and inner tubes	83	83	87	85	92	87
3011	Tires and inner tubes	83	83	87	85	92	87
302	Rubber and plastics footwear	62	60	60	66	69	66
3021	Rubber and plastics footwear	62	60	60	66	69	66
305	Hose and belting and gaskets and packing	65	65	68	72	66	66
3052	Rubber and plastics hose and belting	65	67	80	75	66	65
3053	Gaskets, packing, and sealing devices	65	64	63	71	65	66
306	Fabricated rubber products, n.e.c.	58	56	68	65	70	69
3061	Mechanical rubber goods	60	55	58	57	68	65
3069	Fabricated rubber products, n.e.c.	56	57	78	73	71	72
308	Miscellaneous plastics products, n.e.c.	57	56	70	68	65	66
3081	Unsupported plastics film and sheet	74	74	79	81	66	76
3082	Unsupported plastics profile shapes	67	69	80	77	66	66
3083	Laminated plastics plate, sheet, and profile shapes	72	67	78	74	65	65
3084	Plastics pipe	79	77	77	78	74	72
3085	Plastics bottles	79	77	69	69	82	81
3086	Plastics foam products	62	63	51	51	65	64
3087	Custom compounding of purchased plastics resins	67	68	74	68	63	64
3088	Plastics plumbing fixtures	55	64	38	40	55	58
3089	Plastics products, n.e.c.	50	50	73	70	64	63
31	Leather and leather products	44	42	57	55	57	59
311	Leather tanning and finishing	52	50	68	63	68	70
3111	Leather tanning and finishing	52	50	68	63	68	70
313	Footwear cut stock	51	33	31	34	77	84
3131	Footwear cut stock	51	33	31	34	77	84
314	Footwear, except rubber	37	37	55	54	55	55
3142	House slippers	52	52	54	54	48	50
3143	Men's footwear, except athletic	35	35	56	56	49	51
3144	Women's footwear, except athletic	43	41	53	54	73	62
3149	Footwear, except rubber, n.e.c.	39	40	55	44	(S)	71
315	Leather gloves and mittens	34	36	50	49	46	45
3151	Leather gloves and mittens	34	36	50	49	46	45
316	Luggage	50	52	51	47	51	60
3161	Luggage	50	52	51	47	51	60
317	Handbags and personal leather goods	53	46	77	74	56	54
3171	Women's handbags and purses	54	47	75	(S)	53	50
3172	Personal leather goods, n.e.c.	52	46	78	76	63	63

See footnotes at end of table.

Table 1b. **National Emergency Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.**

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	National emergency rate					
		1996	1995	1994	1993	1992	1991
31	Leather and leather products—Con.						
319	Leather goods, n.e.c.	39	39	50	51	66	63
3199	Leather goods, n.e.c.	39	39	50	51	66	63
32	Stone, clay, and glass products	57	57	66	65	68	67
321	Flat glass	83	82	95	95	91	91
3211	Flat glass	83	82	95	95	91	91
322	Glass and glassware, pressed or blown	86	89	89	87	86	80
3221	Glass containers	87	85	88	90	90	82
3229	Pressed and blown glass, n.e.c.	85	92	90	84	82	78
323	Products of purchased glass	59	60	78	76	73	71
3231	Products of purchased glass	59	60	78	76	73	71
324	Cement, hydraulic	83	83	91	86	83	80
3241	Cement, hydraulic	83	83	91	86	83	80
325	Structural clay products	67	66	78	76	73	70
3251	Brick and structural clay tile	84	80	84	79	75	67
3253	Ceramic wall and floor tile	78	71	91	90	85	86
3255	Clay refractories	46	47	66	63	61	61
3259	Structural clay products, n.e.c.	55	61	48	44	68	72
326	Pottery and related products	66	69	67	66	73	69
3261	Vitreous plumbing fixtures	86	83	79	74	82	80
3262	Vitreous china table and kitchenware	74	77	61	59	77	74
3263	Semivitreous table and kitchenware	67	84	50	50	83	82
3264	Porcelain electrical supplies	57	62	65	64	72	62
3269	Pottery products, n.e.c.	61	63	62	64	62	65
327	Concrete, gypsum, and plaster products	43	41	51	51	57	57
3271	Concrete block and brick	65	67	65	57	65	67
3272	Concrete products, n.e.c.	46	44	65	68	52	47
3273	Ready-mixed concrete	32	32	39	40	55	59
3274	Lime	79	78	73	66	81	84
3275	Gypsum products	88	86	95	91	76	75
328	Cut stone and stone products	46	41	60	64	54	58
3281	Cut stone and stone products	46	41	60	64	54	58
329	Miscellaneous nonmetallic mineral products	70	67	66	62	71	70
3291	Abrasive products	65	60	71	70	71	71
3292	Asbestos products	(X)	(X)	74	(D)	84	76
3295	Minerals, ground or treated	66	68	68	65	71	67
3296	Mineral wool	87	86	67	61	87	83
3297	Nonclay refractories	66	63	53	48	61	62
3299	Nonmetallic mineral products, n.e.c.	54	52	59	(D)	44	45
33	Primary metal industries	74	74	78	75	72	72
331	Blast furnace and basic steel products	80	80	85	82	79	81
3312	Blast furnaces and steel mills	85	86	89	85	82	84
3313	Electrometallurgical products	67	68	69	72	81	80
3315	Steel wire and related products	72	70	80	76	76	77
3316	Cold finishing of steel shapes	69	71	80	80	75	74
3317	Steel pipe and tubes	61	63	68	67	63	64
332	Iron and steel foundries	63	64	70	66	63	61
3321	Gray and ductile iron foundries	65	65	72	69	63	61
3322	Malleable iron foundries	58	57	84	80	67	65
3324	Steel investment foundries	62	60	64	58	68	70
3325	Steel foundries, n.e.c.	65	64	65	60	57	54
333	Primary nonferrous metals	81	84	82	76	90	91
3331	Primary copper	87	85	89	83	95	95
3334	Primary aluminum	88	87	85	84	99	99
3339	Primary nonferrous metals, n.e.c.	66	75	65	62	75	77
334	Secondary nonferrous metals	76	75	83	81	82	81
3341	Secondary nonferrous metals	76	75	83	81	82	81
335	Nonferrous rolling and drawing	75	75	73	72	73	72
3351	Copper rolling and drawing	89	88	85	80	75	76
3353	Aluminum sheet, plate, and foil	82	79	86	74	82	77
3354	Aluminum extruded products	76	76	82	75	73	68
3355	Aluminum rolling and drawing, n.e.c.	68	65	82	(D)	(D)	(D)
3356	Nonferrous rolling and drawing, n.e.c.	60	58	73	(D)	(D)	(D)
3357	Nonferrous wire drawing and insulating	74	74	63	69	70	69
336	Nonferrous foundries (castings)	62	62	67	63	53	55
3363	Aluminum die-castings	66	70	77	73	72	71
3364	Nonferrous die-castings, except aluminum	57	53	56	53	58	59
3365	Aluminum foundries	61	60	63	59	42	39
3366	Copper foundries	48	48	60	58	61	60
3369	Nonferrous foundries, n.e.c.	67	64	66	65	(S)	54
339	Miscellaneous primary metal products	66	64	74	74	56	60
3398	Metal heat treating	67	63	76	72	57	60
3399	Primary metal products, n.e.c.	65	65	72	78	56	59
34	Fabricated metal products	52	53	61	59	58	57
341	Metal cans and shipping containers	73	69	77	76	78	74
3411	Metal cans	77	74	84	83	82	81
3412	Metal barrels, drums, and pails	49	48	48	49	54	43
342	Cutlery, handtools, and hardware	58	56	65	62	60	60
3421	Cutlery	74	73	85	87	66	71
3423	Hand and edge tools, n.e.c.	52	52	69	64	51	51
3425	Saw blades and handsaws	71	67	73	70	76	77
3429	Hardware, n.e.c.	57	54	58	57	65	61

See footnotes at end of table.

Table 1b. National Emergency Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	National emergency rate					
		1996	1995	1994	1993	1992	1991
34	Fabricated metal products—Con.						
343	Plumbing and heating, except electric.....	50	49	54	52	55	55
3431	Metal sanitary ware.....	56	55	84	85	67	73
3432	Plumbing fixture fittings and trim.....	52	52	55	52	64	64
3433	Heating equipment, except electric.....	46	44	47	46	44	43
344	Fabricated structural metal products.....	47	47	55	55	52	52
3441	Fabricated structural metal.....	51	47	50	49	55	57
3442	Metal doors, sash, and trim.....	48	46	62	62	50	48
3443	Fabricated plate work (boiler shops).....	53	53	63	64	65	70
3444	Sheet metal work.....	41	43	52	53	41	41
3446	Architectural metal work.....	40	40	51	50	55	56
3448	Prefabricated metal buildings.....	54	55	53	54	65	63
3449	Miscellaneous metal work.....	47	46	57	54	51	52
345	Screw machine products, bolts, etc.....	50	51	59	58	56	59
3451	Screw machine products.....	49	50	53	53	50	50
3452	Bolts, nuts, rivets, and washers.....	51	53	65	64	60	66
346	Metal forgings and stampings.....	53	56	69	66	62	61
3462	Iron and steel forgings.....	56	50	65	65	49	48
3463	Nonferrous forgings.....	57	69	68	67	67	67
3465	Automotive stampings.....	57	59	78	76	70	68
3466	Crowns and closures.....	63	59	71	75	76	74
3469	Metal stampings, n.e.c.....	48	52	59	55	59	57
347	Metal services, n.e.c.....	54	53	62	59	59	59
3471	Plating and polishing.....	51	51	60	57	57	57
3479	Metal coating and allied services.....	56	56	65	61	63	62
348	Ordnance and accessories, n.e.c.....	44	46	51	51	47	46
3482	Small arms ammunition.....	50	52	41	37	34	39
3483	Ammunition, except for small arms, n.e.c.....	34	34	54	53	54	49
3484	Small arms.....	51	63	71	66	53	51
3489	Ordnance and accessories, n.e.c.....	48	47	42	47	43	44
349	Miscellaneous fabricated metal products.....	57	57	60	58	61	58
3491	Industrial valves.....	55	56	69	67	55	58
3492	Fluid power valves and hose fittings.....	62	61	52	49	71	71
3493	Steel springs, except wire.....	49	54	71	67	54	52
3494	Valves and pipe fittings, n.e.c.....	60	56	73	71	53	56
3495	Wire springs.....	62	62	71	72	67	61
3496	Miscellaneous fabricated wire products.....	52	51	62	59	67	67
3497	Metal foil and leaf.....	79	78	64	66	78	77
3498	Fabricated pipe and fittings.....	53	54	59	58	58	63
3499	Fabricated metal products, n.e.c.....	54	55	51	48	60	48
35	Industrial machinery and equipment.....	53	53	61	59	58	57
351	Engines and turbines.....	59	61	78	64	74	67
3511	Turbines and turbine generator sets.....	73	66	82	60	81	82
3519	Internal combustion engines, n.e.c.....	55	59	75	67	70	61
352	Farm and garden machinery.....	59	56	68	69	51	55
3523	Farm machinery and equipment.....	63	57	72	72	52	59
3524	Lawn and garden equipment.....	48	54	60	63	50	47
353	Construction and related machinery.....	54	53	61	56	52	49
3531	Construction machinery.....	58	55	69	63	48	42
3532	Mining machinery.....	52	51	44	42	47	53
3533	Oil and gas field machinery.....	56	51	49	47	65	71
3534	Elevators and moving stairways.....	52	51	52	56	41	41
3535	Conveyors and conveying equipment.....	51	52	60	50	54	54
3536	Hoists, cranes, and monorails.....	44	46	66	67	60	60
3537	Industrial trucks and tractors.....	46	49	56	57	49	53
354	Metalworking machinery.....	54	53	62	61	62	62
3541	Machine tools, metal cutting types.....	56	59	64	54	58	53
3542	Machine tools, metal forming types.....	61	51	51	50	59	50
3543	Industrial patterns.....	51	55	63	52	49	58
3544	Special dies, tools, jigs, and fixtures.....	51	52	62	65	67	69
3545	Machine tool accessories.....	44	46	67	67	55	54
3546	Power-driven handtools.....	58	60	61	55	67	61
3547	Rolling mill machinery.....	64	67	49	56	66	63
3548	Welding apparatus.....	53	50	68	67	77	79
3549	Metalworking machinery, n.e.c.....	58	54	59	57	46	56
355	Special industry machinery.....	42	43	56	52	54	55
3552	Textile machinery.....	39	38	49	49	56	51
3553	Woodworking machinery.....	46	48	42	44	47	43
3554	Paper industries machinery.....	61	65	76	75	68	75
3555	Printing trades machinery.....	45	46	51	45	50	60
3556	Food products machinery.....	46	47	58	55	51	53
3559	Special industry machinery, n.e.c.....	39	39	56	52	55	54
356	General industrial machinery.....	54	54	60	57	56	56
3561	Pumps and pumping equipment.....	53	53	72	62	46	45
3562	Ball and roller bearings.....	69	72	86	78	74	73
3563	Air and gas compressors.....	56	54	65	59	50	54
3564	Blowers and fans.....	43	43	55	56	53	53
3565	Packaging machinery.....	49	51	51	53	47	70
3566	Speed changers, drives, and gears.....	58	64	65	64	72	69
3567	Industrial furnaces and ovens.....	41	43	41	38	62	63
3568	Power transmission equipment, n.e.c.....	58	53	67	63	49	53
3569	General industrial machinery, n.e.c.....	55	55	48	49	53	53
357	Computer and office equipment.....	57	60	57	56	60	57
3571	Electronic computers.....	60	64	57	56	61	57
3572	Computer storage devices.....	73	65	65	63	77	72
3575	Computer terminals.....	56	66	(S)	47	39	43
3577	Computer peripheral equipment, n.e.c.....	49	52	59	51	60	56
3578	Calculating and accounting equipment.....	33	32	47	50	49	50
3579	Office machines, n.e.c.....	54	54	53	62	46	50

See footnotes at end of table.

Table 1b. **National Emergency Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.**

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	National emergency rate					
		1996	1995	1994	1993	1992	1991
35	Industrial machinery and equipment—Con.						
358	Refrigeration and service machinery	48	49	67	62	62	60
3581	Automatic vending machines	54	55	60	55	65	61
3582	Commercial laundry equipment	50	53	74	71	58	58
3585	Refrigeration and heating equipment	51	52	71	67	65	63
3586	Measuring and dispensing pumps	46	49	64	62	47	42
3589	Service industry machinery, n.e.c.	41	41	56	51	59	56
359	Industrial machinery, n.e.c.	50	50	62	62	56	56
3592	Carburetors, pistons, rings, and valves	71	71	89	78	68	65
3593	Fluid power cylinders and actuators	47	46	55	50	46	47
3594	Fluid power pumps and motors	62	60	80	76	39	36
3596	Scales and balances, except laboratory	44	47	53	54	54	55
3599	Industrial machinery, n.e.c.	49	48	60	61	58	60
36	Electronic and other electric equipment	58	59	63	60	60	61
361	Electric distribution equipment	58	57	56	55	58	53
3612	Transformers, except electronic	53	55	65	65	61	58
3613	Switchgear and switchboard apparatus	61	59	51	51	56	51
362	Electrical industrial apparatus	55	54	58	53	61	63
3621	Motors and generators	64	66	59	57	77	76
3624	Carbon and graphite products	72	74	81	80	75	76
3625	Relays and industrial controls	50	47	58	50	52	53
3629	Electrical industrial apparatus, n.e.c.	45	44	44	42	55	55
363	Household appliances	56	57	71	73	67	64
3631	Household cooking equipment	47	46	64	64	54	55
3632	Household refrigerators and freezers	48	54	58	61	60	59
3633	Household laundry equipment	70	72	84	(D)	(D)	(D)
3634	Electric housewares and fans	52	52	70	71	65	63
3635	Household vacuum cleaners	66	65	64	66	75	66
3639	Household appliances, n.e.c.	65	61	89	(D)	(D)	(D)
364	Electric lighting and wiring equipment	51	50	58	58	58	59
3641	Electric lamp bulbs and tubes	44	44	66	65	71	73
3643	Current-carrying wiring devices	60	55	64	63	54	54
3644	Noncurrent-carrying wiring devices	50	48	55	54	64	66
3645	Residential lighting fixtures	43	42	36	34	48	45
3646	Commercial lighting fixtures	55	54	56	61	46	49
3647	Vehicular lighting equipment	57	60	75	75	73	66
3648	Lighting equipment, n.e.c.	45	45	57	58	63	60
365	Household audio and video equipment	57	57	67	64	56	53
3651	Household audio and video equipment	52	50	61	58	47	45
3652	Prerecorded records and tapes	69	73	81	82	85	79
366	Communications equipment	53	52	54	52	58	56
3661	Telephone and telegraph apparatus	54	57	61	61	55	51
3663	Radio and television communications equipment	53	50	50	46	62	61
3669	Communications equipment, n.e.c.	51	45	41	41	56	55
367	Electronic components and accessories	64	66	71	67	60	68
3671	Electron tubes	72	69	64	62	61	57
3672	Printed circuit boards	53	56	68	65	72	63
3674	Semiconductors and related devices	69	71	84	80	58	78
3675	Electronic capacitors	73	80	76	72	60	61
3676	Electronic resistors	45	48	40	39	55	58
3677	Electronic coils and transformers	47	49	60	58	57	63
3678	Electronic connectors	55	54	57	58	64	70
3679	Electronic components, n.e.c.	59	56	58	52	59	56
369	Miscellaneous electrical equipment and supplies	56	58	61	60	59	56
3691	Storage batteries	67	71	78	77	71	69
3692	Primary batteries, dry and wet	54	56	66	66	69	59
3694	Engine electrical equipment	60	59	67	68	72	68
3695	Magnetic and optical recording media	80	82	71	84	83	83
3699	Electrical equipment and supplies, n.e.c.	40	42	41	38	41	39
37	Transportation equipment	54	52	54	53	57	56
371	Motor vehicles and equipment	55	58	61	60	55	50
3711	Motor vehicles and car bodies	52	58	62	59	50	44
3713	Truck and bus bodies	44	43	52	48	49	49
3714	Motor vehicle parts and accessories	63	63	61	62	68	67
3715	Truck trailers	53	51	78	72	58	52
3716	Motor homes	30	27	32	32	36	32
372	Aircraft and parts	56	42	44	46	66	68
3721	Aircraft	58	51	44	48	69	73
3724	Aircraft engines and engine parts	58	45	48	47	58	59
3728	Aircraft parts and equipment	53	30	41	42	71	71
373	Ship and boat building and repairing	43	45	51	50	51	72
3731	Ship building and repairing	44	49	50	50	52	80
3732	Boat building and repairing	41	38	53	53	49	52
374	Railroad equipment	59	60	48	50	62	56
3743	Railroad equipment	59	60	48	50	62	56
375	Motorcycles, bicycles, and parts	63	62	74	73	80	86
3751	Motorcycles, bicycles, and parts	63	62	74	73	80	86
376	Guided missiles, space vehicles, parts	47	48	54	49	48	52
3761	Guided missiles and space vehicles	50	53	57	53	49	52
3764	Space propulsion units and parts	39	35	48	37	44	49
3769	Space vehicle equipment, n.e.c.	40	42	41	45	46	55
379	Miscellaneous transportation equipment	41	42	32	35	41	45
3792	Travel trailers and campers	38	38	25	33	39	36
3795	Tanks and tank components	35	34	31	31	34	51
3799	Transportation equipment, n.e.c.	47	51	42	40	54	48

See footnotes at end of table.

Table 1b. **National Emergency Capacity Utilization Rates by Industry: Fourth Quarters 1991 Through 1996—Con.**

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	National emergency rate					
		1996	1995	1994	1993	1992	1991
38	Instruments and related products	50	50	51	50	54	55
381	Search and navigation equipment	43	42	42	42	49	52
3812	Search and navigation equipment	43	42	42	42	49	52
382	Measuring and controlling devices	46	47	49	48	45	46
3821	Laboratory apparatus and furniture	44	51	49	53	52	52
3822	Environmental controls	49	48	42	45	52	53
3823	Process control instruments	43	44	48	47	43	42
3824	Fluid meters and counting devices	56	49	62	62	72	61
3825	Instruments to measure electricity	47	49	50	50	38	38
3826	Analytical instruments	47	49	44	42	58	64
3827	Optical instruments and lenses	48	47	48	52	51	52
3829	Measuring and controlling devices, n.e.c.	46	45	52	46	40	43
384	Medical instruments and supplies	52	53	52	52	60	60
3841	Surgical and medical instruments	57	55	51	52	51	52
3842	Surgical appliances and supplies	51	53	50	49	70	65
3843	Dental equipment and supplies	51	50	50	52	64	60
3844	X-ray apparatus and tubes	57	52	55	59	70	77
3845	Electromedical equipment	45	50	59	59	56	58
385	Ophthalmic goods	62	63	64	65	72	68
3851	Ophthalmic goods	62	63	64	65	72	68
386	Photographic equipment and supplies	70	71	74	67	74	75
3861	Photographic equipment and supplies	70	71	74	67	74	75
387	Watches, clocks, watchcases, and parts	40	37	59	54	44	40
3873	Watches, clocks, watchcases, and parts	40	37	59	54	44	40
39	Miscellaneous manufacturing industries	47	45	53	54	52	53
391	Jewelry, silverware, and plated ware	51	49	53	52	49	49
3911	Jewelry, precious metal	49	47	55	57	53	53
3914	Silverware and plated ware	67	69	48	47	39	40
3915	Jewelers' materials and lapidary work	46	44	48	41	50	47
393	Musical instruments	41	42	42	44	32	31
3931	Musical instruments	41	42	42	44	32	31
394	Toys and sporting goods	45	43	56	57	58	54
3942	Dolls and stuffed toys	57	62	50	63	43	34
3944	Games, toys, and children's vehicles	50	53	51	56	66	68
3949	Sporting and athletic goods, n.e.c.	42	39	60	57	56	50
395	Pens, pencils, office, and art supplies	49	51	53	51	55	55
3951	Pens and mechanical pencils	59	58	32	30	61	61
3952	Lead pencils and art goods	42	42	89	87	86	84
3953	Marking devices	50	47	82	84	29	30
3955	Carbon paper and inked ribbons	47	69	56	59	63	64
396	Costume jewelry and notions	50	50	64	64	60	64
3961	Costume jewelry	43	46	59	61	53	58
3965	Fasteners, buttons, needles, and pins	70	63	77	69	76	77
399	Miscellaneous manufactures	48	44	51	54	49	55
3991	Brooms and brushes	39	41	47	44	49	49
3993	Signs and advertising specialties	51	42	49	51	55	52
3995	Burial caskets	48	50	74	73	43	43
3996	Hard surface floor coverings, n.e.c.	67	69	79	72	77	73
3999	Manufacturing industries, n.e.c.	42	41	46	52	43	59

¹SIC 2067, Chewing Gum is combined with SIC 2064 as of 1993.

Note: Some data are revised to include additional information. See Introduction for a discussion of the revision.

Table 2a. Capacity Utilization Rates by Industry: Fourth Quarters 1996 and 1995

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1996	1995	1996	1995	Full production			National emergency production		
						Level		1995 to 1996 change	Level		1995 to 1996 change
						1996	1995		1996	1995	
	All industries	76	76	57	57	1	1	1	1	1	1
	Durable goods industries	74	75	54	54	1	1	1	1	1	1
	Nondurable goods industries	78	78	60	60	1	1	1	1	1	2
	Advanced processing industries	75	75	55	54	1	1	1	1	1	1
	Primary processing industries	80	80	62	63	1	1	1	1	1	1
20	Food and kindred products	76	76	61	62	1	1	1	2	1	2
201	Meat products	83	85	63	64	2	2	3	2	2	3
2011	Meat packing plants	82	85	62	66	3	3	5	4	3	4
2013	Sausages and other prepared meats	77	79	58	59	3	3	4	4	4	6
2015	Poultry slaughtering and processing	88	89	67	65	3	3	3	4	4	5
202	Dairy products	80	78	69	68	2	2	3	2	2	3
2021	Creamery butter	83	81	68	65	6	6	8	7	7	10
2022	Cheese, natural and processed	91	92	84	86	3	2	3	4	4	5
2023	Dry, condensed, and evaporated dairy products	78	78	67	68	4	4	5	5	5	7
2024	Ice cream and frozen desserts	75	73	59	57	3	3	4	4	4	5
2026	Fluid milk	77	74	68	66	3	4	5	4	4	5
203	Preserved fruits and vegetables	75	74	55	60	2	2	3	6	2	6
2032	Canned specialties	78	77	71	69	3	3	4	4	4	5
2033	Canned fruits and vegetables	65	64	36	48	5	5	6	10	5	11
2034	Dehydrated fruits, vegetables, and soups	74	68	55	52	5	6	8	6	5	7
2035	Pickles, sauces, and salad dressings	72	73	55	55	4	3	5	4	3	5
2037	Frozen fruits and vegetables	89	90	82	82	3	3	4	3	4	5
2038	Frozen specialties, n.e.c.	82	80	69	66	3	3	4	4	3	5
204	Grain mill products	81	79	69	67	2	2	2	3	3	4
2041	Flour and other grain mill products	87	86	85	84	3	3	4	3	3	4
2043	Cereal breakfast foods	88	83	80	76	1	2	2	2	2	3
2044	Rice milling	87	87	80	75	3	3	4	2	5	5
2045	Prepared flour mixes and doughs	70	68	55	53	3	5	6	5	7	8
2046	Wet corn milling	95	94	67	66	2	1	2	11	12	16
2047	Dog and cat food	78	77	76	75	5	3	6	5	3	5
2048	Prepared feeds, n.e.c.	70	69	55	53	5	5	6	6	6	8
205	Bakery products	76	77	62	64	3	3	4	3	3	4
2051	Bread, cake, and related products	82	80	69	70	3	3	4	3	4	5
2052	Cookies and crackers	67	71	51	56	7	5	8	5	4	6
2053	Frozen bakery products, except bread	78	82	61	64	5	5	7	5	4	6
206	Sugar and confectionery products	75	76	62	63	3	2	4	4	3	5
2061	Raw cane sugar	97	97	95	96	1	2	2	2	2	2
2062	Cane sugar refining	91	89	78	66	1	3	3	1	3	3
2063	Beet sugar	92	93	92	93	6	6	9	6	6	9
2064	Candy and other confectionery products	71	76	56	60	4	3	5	5	5	7
2066	Chocolate and cocoa products	77	72	72	69	3	4	4	2	3	4
2067	Chewing gum?	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
2068	Salted and roasted nuts and seeds	76	66	62	53	8	5	9	9	5	10
207	Fats and oils	80	83	66	72	3	3	4	4	3	5
2074	Cottonseed oil mills	78	92	78	85	9	3	9	7	4	8
2075	Soybean oil mills	95	93	94	92	2	2	3	2	2	2
2076	Vegetable oil mills, n.e.c.	73	84	69	80	1	3	3	2	6	6
2077	Animal and marine fats and oils	76	73	52	55	6	6	8	7	6	9
2079	Edible fats and oils, n.e.c.	75	76	59	61	5	5	7	6	6	9
208	Beverages	73	72	58	57	3	3	3	3	3	3
2082	Malt beverages	76	76	74	73	2	2	3	4	4	5
2083	Malt	97	97	97	97	1	1	1	1	1	1
2084	Vines, brandy, and brandy spirits	73	75	61	64	12	13	17	9	10	13
2085	Distilled and blended liquors	65	66	38	38	3	3	4	2	2	2
2086	Bottled and canned soft drinks	71	70	53	55	5	4	6	4	4	6
2087	Flavoring extracts and syrups, n.e.c.	73	72	53	50	7	7	10	6	6	8
209	Miscellaneous food and kindred products	67	67	54	53	3	3	4	3	3	4
2091	Canned and cured fish and seafoods	69	81	59	70	4	2	4	4	5	6
2092	Fresh or frozen prepared fish	62	63	40	41	7	7	9	6	6	8
2095	Roasted coffee	66	69	59	60	7	6	9	7	7	9
2096	Potato chips and similar snacks	75	76	61	61	5	7	9	5	6	8
2097	Manufactured ice	42	45	30	32	4	5	6	5	6	8
2098	Macaroni and spaghetti	81	80	77	76	2	2	3	3	3	4
2099	Food preparations, n.e.c.	63	61	50	49	4	4	6	5	4	6
21	Tobacco products	78	81	70	72	2	1	2	1	1	1
211	Cigarettes	77	80	72	74	2	1	2	1	1	1
2111	Cigarettes	77	80	72	74	2	1	2	1	1	1
212	Cigars	86	87	57	59	7	8	10	4	4	6
2121	Cigars	86	87	57	59	7	8	10	4	4	6
213	Chewing and smoking tobacco	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)
2131	Chewing and smoking tobacco	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)
214	Tobacco stemming and redrying	82	74	74	67	3	2	4	4	3	5
2141	Tobacco stemming and redrying	82	74	74	67	3	2	4	4	3	5
22	Textile mill products	81	82	67	69	1	1	2	2	2	3
221	Broadwoven fabric mills, cotton	88	87	83	83	3	3	5	4	4	5
2211	Broadwoven fabric mills, cotton	88	87	83	83	3	3	5	4	4	5
222	Broadwoven fabric mills, manmade fiber and silk	88	89	81	84	3	3	4	5	4	7
2221	Broadwoven fabric mills, manmade fiber and silk	88	89	81	84	3	3	4	5	4	7
223	Broadwoven fabric mills, wool	77	78	58	59	4	4	5	5	4	6
2231	Broadwoven fabric mills, wool	77	78	58	59	4	4	5	5	4	6

See footnotes at end of table.

Table 2a. Capacity Utilization Rates by Industry: Fourth Quarters 1996 and 1995—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1996	1995	1996	1995	Full production			National emergency production			
						Level		1995 to 1996 change	Level		1995 to 1996 change	
						1996	1995		1996	1995		
22	Textile mill products—Con.											
224	Narrow fabric mills	74	71	56	60	4	4	6	5	3	6	
2241	Narrow fabric mills	74	71	56	60	4	4	6	5	3	6	
225	Knitting mills	79	81	58	61	3	3	4	4	5	6	
2251	Women's hosiery, except socks	83	85	73	74	5	4	6	6	5	7	
2252	Hosiery, n.e.c.	92	90	63	67	3	3	4	9	9	12	
2253	Knit outerwear mills	76	79	55	57	6	7	9	10	11	14	
2254	Knit underwear mills	78	85	45	51	3	3	5	6	7	9	
2257	Weft knit fabric mills	71	74	53	57	6	7	9	7	6	9	
2258	Lace and warp knit fabric mills	84	83	70	70	2	2	3	2	2	2	
2259	Knitting mills, n.e.c.	81	76	64	71	11	11	15	16	10	19	
226	Textile finishing, except wool	82	81	75	73	3	3	3	2	2	3	
2261	Finishing plants, cotton	89	87	79	77	2	1	2	2	1	2	
2262	Finishing plants, manmade	79	79	74	71	4	4	5	3	3	5	
2269	Finishing plants, n.e.c.	79	75	76	72	3	3	4	3	3	4	
227	Carpets and rugs	76	78	68	71	4	3	5	4	3	5	
2273	Carpets and rugs	76	78	68	71	4	3	5	4	3	5	
228	Yarn and thread mills	85	81	71	69	3	3	4	4	4	6	
2281	Yarn spinning mills	85	80	67	64	4	4	5	6	5	8	
2282	Throwing and winding mills	88	85	80	81	2	2	3	2	2	3	
2284	Thread mills	84	85	81	83	6	7	9	7	7	9	
229	Miscellaneous textile goods	78	81	63	67	3	3	4	4	4	5	
2295	Coated fabrics, not rubberized	79	81	54	66	4	4	6	6	5	8	
2296	Tire cord and fabrics	93	91	89	85	2	3	4	3	3	4	
2297	Nonwoven fabrics	74	79	61	65	6	6	8	9	8	12	
2298	Cordage and twine	70	74	51	52	5	3	6	4	4	6	
2299	Textile goods, n.e.c.	85	83	77	74	3	4	5	4	4	6	
23	Apparel and other textile products	80	79	45	44	2	2	2	2	2	2	
231	Men's and boys' suits and coats	82	80	42	40	5	4	6	5	4	6	
2311	Men's and boys' suits and coats	82	80	42	40	5	4	6	5	4	6	
232	Men's and boys' furnishings	79	84	38	40	3	3	4	3	3	4	
2321	Men's and boys' shirts	78	79	35	33	6	5	8	5	4	6	
2322	Men's and boys' underwear and nightwear	85	86	40	52	3	2	3	3	4	5	
2323	Men's and boys' neckwear	78	78	42	40	6	6	8	4	4	6	
2325	Men's and boys' trousers and slacks	78	92	42	50	4	3	5	5	8	9	
2326	Men's and boys' work clothing	84	85	34	34	3	3	4	4	4	5	
2329	Men's and boys' clothing, n.e.c.	77	75	36	36	7	8	11	5	6	7	
233	Women's and misses' outerwear	81	81	52	50	5	4	6	4	3	5	
2331	Women's, misses', and juniors' blouses and shirts	81	86	64	72	11	9	14	14	13	19	
2335	Women's, misses', and juniors' dresses	84	84	68	71	8	6	10	11	9	14	
2337	Women's, misses', and juniors' suits and coats	85	83	47	38	3	4	4	4	5	6	
2339	Women's, misses', and juniors' outerwear, n.e.c.	78	76	42	40	9	7	11	5	4	6	
234	Women's and children's undergarments	88	80	53	49	2	4	5	5	4	6	
2341	Women's and children's underwear	95	92	46	48	2	2	2	6	5	7	
2342	Brassieres, girdles, and allied garments	81	70	68	50	3	7	7	3	7	8	
235	Hats, caps, and millinery	78	76	40	40	4	4	5	3	3	4	
2353	Hats, caps, and millinery	78	76	40	40	4	4	5	3	3	4	
236	Girls' and children's outerwear	87	86	39	43	3	2	4	4	4	5	
2361	Girls' and children's dresses and blouses	83	83	34	35	5	3	6	4	4	5	
2369	Girls' and children's outerwear, n.e.c.	89	88	42	50	4	3	5	6	6	8	
237	Fur goods	95	91	62	60	3	5	5	4	4	6	
2371	Fur goods	95	91	62	60	3	5	5	4	4	6	
238	Miscellaneous apparel and accessories	73	74	33	35	3	4	5	3	3	4	
2381	Fabric dress and work gloves	73	82	39	45	8	4	8	5	5	8	
2384	Robes and dressing gowns	73	75	26	27	11	11	15	9	9	13	
2385	Waterproof outerwear	72	76	40	41	4	4	6	7	8	10	
2386	Leather and sheep-lined clothing	84	100	70	88	4	-	4	5	3	6	
2387	Apparel belts	67	78	27	30	6	5	8	2	4	4	
2389	Apparel and accessories, n.e.c.	75	65	36	33	6	7	9	5	4	6	
239	Miscellaneous fabricated textile products	78	74	48	42	2	3	3	3	2	4	
2391	Curtains and draperies	79	75	31	29	3	2	4	3	3	4	
2392	Housefurnishings, n.e.c.	81	74	53	47	3	6	6	7	5	9	
2393	Textile bags	71	60	38	34	5	8	9	5	4	6	
2394	Canvas and related products	60	62	37	42	6	6	8	4	5	6	
2395	Pleating and stitching	66	61	46	40	10	8	13	7	6	9	
2396	Automotive and apparel trimmings	83	78	52	46	4	5	6	5	4	7	
2397	Schiffli machine embroideries	83	86	74	82	6	4	7	6	5	8	
2399	Fabricated textile products, n.e.c.	79	75	46	39	5	5	7	6	6	8	
24	Lumber and wood products	78	77	52	52	2	2	2	2	2	2	
241	Logging	92	89	80	75	4	5	7	6	6	8	
2411	Logging	92	89	80	75	4	5	7	6	6	8	
242	Sawmills and planing mills	77	73	48	46	4	4	5	3	3	4	
2421	Sawmills and planing mills, general	77	73	49	47	4	4	6	4	4	5	
2426	Hardwood dimension and flooring mills	76	73	41	42	4	5	6	4	3	5	
2429	Special product sawmills, n.e.c.	59	68	39	41	8	5	9	4	5	6	
243	Millwork, plywood, and structural members	78	77	53	53	2	3	3	2	2	3	
2431	Millwork	74	69	53	50	4	5	6	4	4	5	
2434	Wood kitchen cabinets	78	79	43	43	4	3	5	4	4	5	
2435	Hardwood veneer and plywood	83	81	67	67	3	3	4	4	4	5	
2436	Softwood veneer and plywood	86	95	76	85	8	2	8	7	3	7	
2439	Structural wood members, n.e.c.	77	74	52	49	4	5	6	4	4	6	

See footnotes at end of table.

Table 2a. Capacity Utilization Rates by Industry: Fourth Quarters 1996 and 1995—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1996	1995	1996	1995	Full production		1995 to 1996 change	National emergency production		1995 to 1996 change
						Level			1996	1995	
						1996	1995				
24	Lumber and wood products—Con.										
244	Wood containers	74	77	42	42	3	3	4	3	3	5
2441	Nailed wood boxes and shooks	57	56	34	36	7	7	10	6	7	9
2448	Wood pallets and skids	80	83	44	43	4	4	5	4	4	6
2449	Wood containers, n.e.c.	69	74	44	48	3	4	5	2	3	3
245	Wood buildings and mobile homes	75	79	38	42	3	3	3	3	3	4
2451	Mobile homes	74	80	35	41	3	3	4	4	4	5
2452	Prefabricated wood buildings	78	77	50	44	3	4	4	4	5	7
249	Miscellaneous wood products	75	74	59	60	3	3	4	3	3	4
2491	Wood preserving	65	67	41	43	5	5	7	5	5	7
2493	Reconstituted wood products	86	88	79	81	4	2	5	5	4	6
2499	Wood products, n.e.c.	68	64	53	51	5	6	7	5	5	7
25	Furniture and fixtures	75	74	47	46	2	2	2	2	2	3
251	Household furniture	78	78	45	43	3	4	4	3	3	4
2511	Wood household furniture	83	79	47	43	4	7	8	5	5	7
2512	Upholstered household furniture	79	83	43	46	4	3	5	5	5	7
2514	Metal household furniture	69	62	51	44	7	7	9	6	7	9
2515	Mattresses and bedsprings	70	73	37	37	7	7	10	4	4	5
2517	Wood television and radio cabinets	68	86	46	58	4	2	5	2	5	6
2519	Household furniture, n.e.c.	86	84	68	71	5	7	8	9	11	14
252	Office furniture	71	69	53	53	2	3	3	3	3	4
2521	Wood office furniture	69	67	47	47	5	5	7	3	3	5
2522	Office furniture, except wood	71	70	55	55	3	3	4	3	4	5
253	Public building and related furniture	87	81	55	54	3	6	7	5	5	6
2531	Public building and related furniture	87	81	55	54	3	6	7	5	5	6
254	Partitions and fixtures	71	70	45	45	2	3	4	4	3	5
2541	Wood partitions and fixtures	68	67	38	41	4	4	5	5	4	7
2542	Partitions and fixtures, except wood	75	74	53	51	3	3	4	4	4	5
259	Miscellaneous furniture and fixtures	73	72	44	46	4	3	5	3	3	5
2591	Drapery hardware and blinds and shades	77	74	57	52	6	6	9	6	6	8
2599	Furniture and fixtures, n.e.c.	71	70	40	43	4	4	5	4	4	5
26	Paper and allied products	85	86	74	75	1	1	2	2	2	2
261	Pulp mills	92	90	92	90	3	3	4	3	3	4
2611	Pulp mills	92	90	92	90	3	3	4	3	3	4
262	Paper mills	91	92	89	91	3	2	4	3	2	4
2621	Paper mills	91	92	89	91	3	2	4	3	2	4
263	Paperboard mills	95	91	93	89	2	2	2	2	3	3
2631	Paperboard mills	95	91	93	89	2	2	2	2	3	3
265	Paperboard containers and boxes	78	79	59	61	3	2	3	3	3	4
2652	Setup paperboard boxes	75	75	37	38	4	5	6	5	5	7
2653	Corrugated and solid fiber boxes	79	80	60	64	4	3	5	4	3	5
2655	Fiber cans, drums, and similar products	81	81	56	56	3	3	4	5	5	6
2656	Sanitary food containers	72	74	61	62	3	3	4	4	4	5
2657	Folding paperboard boxes	76	78	61	58	4	4	5	5	5	7
267	Miscellaneous converted paper products	83	83	69	68	2	2	2	2	3	3
2671	Paper coated and laminated, packaging	82	80	69	66	4	4	6	7	7	10
2672	Paper coated and laminated, n.e.c.	90	87	84	76	3	3	4	4	6	7
2673	Bags plastics, laminated, and coated	82	83	70	72	2	2	3	4	6	7
2674	Bags uncoated paper and multiwall	80	84	62	67	3	3	4	9	9	12
2675	Die-cut paper and board	64	65	54	55	7	7	9	6	6	9
2676	Sanitary paper products	87	89	77	78	4	3	5	5	5	7
2677	Envelopes	76	78	61	55	6	5	7	6	9	10
2678	Stationery products	71	70	44	41	4	5	6	4	3	5
2679	Converted paper products, n.e.c.	77	73	57	54	5	5	7	6	6	9
27	Printing and publishing	81	81	54	53	2	2	3	3	4	4
271	Newspapers	83	84	48	50	4	4	5	5	6	8
2711	Newspapers	83	84	48	50	4	4	5	5	6	8
272	Periodicals	88	92	55	45	5	6	8	13	14	19
2721	Periodicals	88	92	55	45	5	6	8	13	14	19
273	Books	83	81	68	67	5	6	8	5	4	6
2731	Book publishing	83	80	68	66	6	7	10	6	5	7
2732	Book printing	85	86	71	72	3	3	4	5	4	6
274	Miscellaneous publishing	77	77	38	37	7	8	10	6	6	8
2741	Miscellaneous publishing	77	77	38	37	7	8	10	6	6	8
275	Commercial printing	78	80	56	59	2	3	3	3	3	4
2752	Commercial printing, lithographic	77	79	56	59	3	3	4	3	3	5
2754	Commercial printing, gravure	90	92	79	86	2	2	3	6	3	6
2759	Commercial printing, n.e.c.	81	83	55	54	5	4	6	5	5	7
276	Manifold business forms	70	73	56	59	3	3	4	3	3	4
2761	Manifold business forms	70	73	56	59	3	3	4	3	3	4
277	Greeting cards	75	75	69	68	2	1	2	1	1	2
2771	Greeting cards	75	75	69	68	2	1	2	1	1	2
278	Blankbooks and bookbinding	73	72	58	56	3	4	5	3	4	5
2782	Blankbooks and looseleaf binders	77	74	62	57	4	4	5	4	5	6
2789	Bookbinding and related work	65	68	50	53	5	6	8	3	4	5
279	Printing trade services	75	76	54	56	4	4	5	4	5	6
2791	Typesetting	78	81	56	62	5	4	6	6	6	8
2796	Platemaking services	74	74	53	53	5	5	7	6	6	8

See footnotes at end of table.

Table 2a. Capacity Utilization Rates by Industry: Fourth Quarters 1996 and 1995—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1996	1995	1996	1995	Full production			National emergency production		
						Level		1995 to 1996 change	Level		1995 to 1996 change
						1996	1995		1996	1995	
28	Chemicals and allied products	75	74	62	61	2	2	2	2	2	2
281	Industrial inorganic chemicals	82	82	77	78	3	2	3	3	3	4
2812	Alkalies and chlorine	86	86	83	83	3	3	4	4	4	5
2813	Industrial gases	86	90	78	88	4	3	5	5	3	5
2816	Inorganic pigments	93	90	90	89	2	2	3	2	2	3
2819	Industrial inorganic chemicals, n.e.c.	79	78	74	74	4	3	5	4	3	5
282	Plastics materials and synthetics	86	86	78	78	4	3	5	4	4	5
2821	Plastics materials and resins	83	84	76	76	5	5	7	5	5	7
2822	Synthetic rubber	87	89	71	71	3	2	3	6	7	9
2823	Cellulosic manmade fibers	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)
2824	Organic fibers, noncellulosic	92	89	82	86	1	2	2	3	3	4
283	Drugs	70	68	53	51	3	3	4	3	3	4
2833	Medicinals and botanicals	84	90	82	89	4	3	5	2	2	3
2834	Pharmaceutical preparations	67	63	50	47	4	4	5	3	3	4
2835	Diagnostic substances	72	74	48	48	6	7	9	5	5	7
2836	Biological products, except diagnostic	86	99	85	99	1	1	1	1	1	1
284	Soaps, cleaners, and toilet goods	67	63	55	51	3	3	4	3	3	4
2841	Soap and other detergents	58	57	49	48	5	5	7	4	4	6
2842	Polishes and sanitation goods	69	57	60	45	8	7	11	7	6	9
2843	Surface active agents	79	78	61	59	5	6	7	7	7	10
2844	Toilet preparations	72	68	58	55	5	5	7	6	5	7
285	Paints and allied products	69	68	49	48	3	3	4	5	4	6
2851	Paints and allied products	69	68	49	48	3	3	4	5	4	6
286	Industrial organic chemicals	85	84	80	80	3	3	4	3	3	4
2861	Gum and wood chemicals	90	81	90	81	2	5	5	2	5	5
2865	Cyclic crudes and intermediates	85	84	71	69	4	3	5	7	6	9
2869	Industrial organic chemicals, n.e.c.	84	84	82	82	3	3	5	4	4	5
287	Agricultural chemicals	91	87	79	73	3	4	5	5	5	7
2873	Nitrogenous fertilizers	96	97	96	97	2	1	2	2	1	2
2874	Phosphatic fertilizers	98	99	97	97	1	1	1	1	1	1
2875	Fertilizers, mixing only	73	72	42	41	5	7	8	6	6	8
2879	Agricultural chemicals, n.e.c.	90	83	76	70	5	6	8	8	8	11
289	Miscellaneous chemical products	73	72	55	56	3	3	4	3	2	3
2891	Adhesives and sealants	71	71	54	54	5	5	7	6	5	8
2892	Explosives	71	75	49	51	2	4	4	4	5	6
2893	Printing ink	72	64	45	42	3	3	4	4	3	5
2895	Carbon black	92	96	92	93	2	1	2	2	3	3
2899	Chemical preparations, n.e.c.	72	73	58	60	4	4	5	4	4	5
29	Petroleum and coal products	83	80	73	70	2	2	3	2	2	3
291	Petroleum refining	90	88	88	86	2	2	3	2	3	3
2911	Petroleum refining	90	88	88	86	2	2	3	2	3	3
295	Asphalt paving and roofing materials	57	53	39	35	4	4	5	4	4	5
2951	Asphalt paving mixtures and blocks	49	44	29	26	4	4	6	4	4	5
2952	Asphalt felts and coatings	73	70	64	61	8	6	10	6	5	8
299	Miscellaneous petroleum and coal products	66	65	51	50	3	3	4	3	3	4
2992	Lubricating oils and greases	63	61	47	46	3	3	4	3	3	4
2999	Petroleum and coal products, n.e.c.	83	85	79	81	6	6	8	7	7	10
30	Rubber and miscellaneous plastics products	79	78	59	59	2	2	3	5	4	6
301	Tires and inner tubes	92	92	83	83	2	3	4	4	4	6
3011	Tires and inner tubes	92	92	83	83	2	3	4	4	4	6
302	Rubber and plastics footwear	71	74	62	60	3	2	3	3	3	4
3021	Rubber and plastics footwear	71	74	62	60	3	2	3	3	3	4
305	Hose and belting and gaskets and packing	76	76	65	65	3	3	4	3	3	4
3052	Rubber and plastics hose and belting	76	78	65	67	5	5	7	5	5	7
3053	Gaskets, packing, and sealing devices	75	75	65	64	4	4	5	4	4	5
306	Fabricated rubber products, n.e.c.	76	74	58	56	3	3	3	3	3	4
3061	Mechanical rubber goods	77	73	60	55	3	4	5	4	4	6
3069	Fabricated rubber products, n.e.c.	75	75	56	57	4	3	5	4	4	5
308	Miscellaneous plastics products, n.e.c.	78	77	57	56	3	3	3	6	5	8
3081	Unsupported plastics film and sheet	84	83	74	74	3	4	5	5	5	7
3082	Unsupported plastics profile shapes	81	81	67	69	3	4	4	4	5	6
3083	Laminated plastics plate, sheet, and profile shapes	85	79	72	67	4	4	5	4	3	5
3084	Plastics pipe	88	86	79	77	5	5	7	6	6	8
3085	Plastics bottles	85	83	79	77	3	3	4	4	3	5
3086	Plastics foam products	75	76	62	63	4	3	5	4	4	6
3087	Custom compounding of purchased plastics resins	75	75	67	68	3	4	5	4	5	6
3088	Plastics plumbing fixtures	72	74	55	64	4	4	5	6	5	7
3089	Plastics products, n.e.c.	77	76	50	50	4	4	5	8	7	10
31	Leather and leather products	75	76	44	42	2	2	3	2	2	3
311	Leather tanning and finishing	78	75	52	50	3	3	4	4	4	6
3111	Leather tanning and finishing	78	75	52	50	3	3	4	4	4	6
313	Footwear cut stock	77	67	51	33	9	8	12	6	3	6
3131	Footwear cut stock	77	67	51	33	9	8	12	6	3	6
314	Footwear, except rubber	74	81	37	37	4	3	5	3	3	3
3142	House slippers	73	76	52	52	1	2	2	3	3	4
3143	Men's footwear, except athletic	70	79	35	35	6	4	8	3	3	4
3144	Women's footwear, except athletic	84	86	43	41	3	4	5	5	6	8
3149	Footwear, except rubber, n.e.c.	78	80	39	40	5	6	8	5	5	7
315	Leather gloves and mittens	72	74	34	36	3	3	4	2	2	2
3151	Leather gloves and mittens	72	74	34	36	3	3	4	2	2	2

See footnotes at end of table.

Table 2a. Capacity Utilization Rates by Industry: Fourth Quarters 1996 and 1995—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1996	1995	1996	1995	Full production		1995 to 1996 change	National emergency production		1995 to 1996 change
						Level			1996	1995	
						1996	1995				
31	Leather and leather products—Con.										
316	Luggage	71	73	50	52	3	5	6	4	5	6
3161	Luggage	71	73	50	52	3	5	6	4	5	6
317	Handbags and personal leather goods	76	63	53	46	6	6	8	4	4	5
3171	Women's handbags and purses	79	72	54	47	3	4	5	2	2	3
3172	Personal leather goods, n.e.c.	73	57	52	46	10	8	13	7	6	9
319	Leather goods, n.e.c.	75	76	39	39	3	4	5	4	4	5
3199	Leather goods, n.e.c.	75	76	39	39	3	4	5	4	4	5
32	Stone, clay, and glass products	78	78	57	57	1	1	2	3	3	4
321	Flat glass	87	86	83	82	4	4	6	6	5	8
3211	Flat glass	87	86	83	82	4	4	6	6	5	8
322	Glass and glassware, pressed or blown	87	91	86	89	3	2	3	2	1	3
3221	Glass containers	90	90	87	85	2	2	3	2	1	2
3229	Pressed and blown glass, n.e.c.	86	92	85	92	4	2	4	4	2	4
323	Products of purchased glass	77	77	59	60	4	3	5	4	5	6
3231	Products of purchased glass	77	77	59	60	4	3	5	4	5	6
324	Cement, hydraulic	86	86	83	83	2	3	4	3	3	4
3241	Cement, hydraulic	86	86	83	83	2	3	4	3	3	4
325	Structural clay products	78	77	67	66	3	3	4	3	3	4
3251	Brick and structural clay tile	87	83	84	80	6	7	9	6	6	9
3253	Ceramic wall and floor tile	83	77	78	71	4	5	6	4	6	7
3255	Clay refractories	68	68	46	47	4	4	5	4	4	5
3259	Structural clay products, n.e.c.	64	68	55	61	4	4	5	5	5	7
326	Pottery and related products	77	80	66	69	2	2	2	3	3	4
3261	Vitreous plumbing fixtures	86	83	86	83	2	3	4	2	3	4
3262	Vitreous china table and kitchenware	85	90	74	77	3	2	3	7	7	9
3263	Semivitreous table and kitchenware	83	86	67	84	1	3	3	1	3	3
3264	Porcelain electrical supplies	69	76	57	62	2	3	3	3	3	4
3269	Pottery products, n.e.c.	77	77	61	63	4	4	5	7	7	9
327	Concrete, gypsum, and plaster products	72	70	43	41	3	3	4	4	4	6
3271	Concrete block and brick	77	80	65	67	3	3	4	4	4	6
3272	Concrete products, n.e.c.	74	73	46	44	5	3	6	4	3	5
3273	Ready-mixed concrete	65	62	32	32	4	4	5	5	5	7
3274	Lime	81	81	79	78	5	5	7	5	5	7
3275	Gypsum products	96	94	88	86	2	2	2	8	8	11
328	Cut stone and stone products	76	77	46	41	3	3	4	5	7	9
3281	Cut stone and stone products	76	77	46	41	3	3	4	5	7	9
329	Miscellaneous nonmetallic mineral products	81	81	70	67	2	2	2	2	2	3
3291	Abrasive products	74	73	65	60	3	3	4	3	3	4
3292	Asbestos products	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
3295	Minerals, ground or treated	80	82	66	68	3	4	5	6	5	8
3296	Mineral wool	91	90	87	86	2	2	3	2	2	3
3297	Nonclay refractories	82	81	66	63	3	3	4	7	7	10
3299	Nonmetallic mineral products, n.e.c.	81	80	54	52	4	4	5	6	7	9
33	Primary metal industries	84	84	74	74	2	2	2	2	2	2
331	Blast furnace and basic steel products	85	85	80	80	3	3	4	3	3	4
3312	Blast furnaces and steel mills	87	88	85	86	4	4	6	4	4	6
3313	Electrometallurgical products	80	81	67	68	3	4	5	4	5	6
3315	Steel wire and related products	81	79	72	70	5	4	6	4	3	5
3316	Cold finishing of steel shapes	77	79	69	71	3	3	4	5	7	7
3317	Steel pipe and tubes	78	79	61	63	3	2	3	4	4	5
332	Iron and steel foundries	81	81	63	64	2	2	3	2	2	3
3321	Gray and ductile iron foundries	83	85	63	65	2	3	3	2	3	3
3322	Malleable iron foundries	84	82	58	57	3	3	4	2	2	2
3324	Steel investment foundries	75	72	62	60	4	6	8	6	6	8
3325	Steel foundries, n.e.c.	80	80	65	64	2	2	2	2	2	2
333	Primary nonferrous metals	87	87	81	84	3	3	4	3	3	4
3331	Primary copper	88	86	87	85	8	7	11	8	7	11
3334	Primary aluminum	88	88	88	87	2	2	3	2	2	3
3339	Primary nonferrous metals, n.e.c.	84	88	66	75	2	2	3	4	5	6
334	Secondary nonferrous metals	86	87	76	75	2	2	3	3	4	5
3341	Secondary nonferrous metals	86	87	76	75	2	2	3	3	4	5
335	Nonferrous rolling and drawing	85	84	75	75	1	1	2	2	2	2
3351	Copper rolling and drawing	92	91	89	88	1	2	2	2	2	2
3353	Aluminum sheet, plate, and foil	89	86	82	79	2	3	3	1	3	4
3354	Aluminum extruded products	83	83	76	76	2	2	3	3	3	4
3355	Aluminum rolling and drawing, n.e.c.	80	85	68	65	4	4	5	2	2	3
3356	Nonferrous rolling and drawing, n.e.c.	76	72	60	58	3	3	4	5	5	7
3357	Nonferrous wire drawing and insulating	85	86	74	74	2	2	3	3	3	4
336	Nonferrous foundries (castings)	78	78	62	62	2	1	2	2	2	3
3363	Aluminum die-castings	77	81	66	70	3	2	3	5	4	6
3364	Nonferrous die-castings, except aluminum	82	79	57	53	3	3	4	3	3	4
3365	Aluminum foundries	78	76	61	60	3	3	4	3	2	3
3366	Copper foundries	76	75	48	48	4	4	5	4	3	5
3369	Nonferrous foundries, n.e.c.	81	76	67	64	2	1	2	4	3	5
339	Miscellaneous primary metal products	79	77	66	64	2	2	2	3	3	4
3398	Metal heat treating	79	74	67	63	2	3	3	3	4	5
3399	Primary metal products, n.e.c.	79	81	65	65	3	2	3	5	4	6

See footnotes at end of table.

Table 2a. Capacity Utilization Rates by Industry: Fourth Quarters 1996 and 1995—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1996	1995	1996	1995	Full production			National emergency production		
						Level		1995 to 1996 change	Level		1995 to 1996 change
						1996	1995		1996	1995	
34	Fabricated metal products	74	73	52	53	1	1	1	1	1	1
341	Metal cans and shipping containers	85	81	73	69	1	3	4	3	3	4
3411	Metal cans	87	82	77	74	2	4	4	3	4	5
3412	Metal barrels, drums, and pails	73	72	49	48	2	2	3	2	2	2
342	Cutlery, handtools, and hardware	77	76	58	56	2	2	2	2	2	2
3421	Cutlery	90	89	74	73	2	3	4	4	5	6
3423	Hand and edge tools, n.e.c.	72	74	52	52	3	3	4	3	3	4
3425	Saw blades and handsaws	81	75	71	67	3	4	5	3	4	5
3429	Hardware, n.e.c.	76	75	57	54	2	3	3	2	2	3
343	Plumbing and heating, except electric	71	70	50	49	2	2	2	2	2	2
3431	Metal sanitary ware	75	75	56	55	2	2	2	2	3	3
3432	Plumbing fixture fittings and trim	71	70	52	52	2	2	3	2	2	3
3433	Heating equipment, except electric	71	68	46	44	3	3	4	3	3	4
344	Fabricated structural metal products	73	71	47	47	1	1	2	2	1	2
3441	Fabricated structural metal	78	70	51	47	2	2	3	3	2	3
3442	Metal doors, sash, and trim	74	71	48	46	2	3	3	2	2	3
3443	Fabricated plate work (boiler shops)	71	72	53	53	3	3	4	3	3	4
3444	Sheet metal work	69	70	41	43	3	3	4	3	3	4
3446	Architectural metal work	73	72	40	40	2	2	3	4	4	5
3448	Prefabricated metal buildings	75	77	54	55	2	2	2	2	3	3
3449	Miscellaneous metal work	76	74	47	46	2	3	3	3	3	4
345	Screw machine products, bolts, etc.	73	74	50	51	2	2	3	3	3	4
3451	Screw machine products	69	70	49	50	3	3	4	3	3	3
3452	Bolts, nuts, rivets, and washers	77	79	51	53	2	2	2	6	6	8
346	Metal forgings and stampings	74	73	53	56	2	2	3	2	2	3
3462	Iron and steel forgings	78	70	56	50	2	4	5	5	4	6
3463	Nonferrous forgings	81	81	57	69	3	2	3	3	5	5
3465	Automotive stampings	73	75	57	59	3	3	4	4	4	5
3466	Crowns and closures	76	73	63	59	2	2	3	3	3	4
3469	Metal stampings, n.e.c.	74	71	48	52	3	3	4	3	4	5
347	Metal services, n.e.c.	73	72	54	53	2	2	2	2	2	3
3471	Plating and polishing	72	71	52	51	2	2	3	2	3	4
3479	Metal coating and allied services	74	74	56	56	2	3	4	3	3	4
348	Ordnance and accessories, n.e.c.	61	61	44	46	2	1	2	2	2	3
3482	Small arms ammunition	67	68	50	52	2	1	2	2	1	2
3483	Ammunition, except for small arms, n.e.c.	52	49	34	34	3	3	4	4	3	5
3484	Small arms	71	84	51	63	4	2	4	4	2	5
3489	Ordnance and accessories, n.e.c.	59	57	48	47	1	1	1	3	2	3
349	Miscellaneous fabricated metal products	75	75	57	57	1	1	2	1	1	2
3491	Industrial valves	73	74	55	56	2	2	3	2	2	2
3492	Fluid power valves and hose fittings	77	77	62	61	2	3	3	3	3	4
3493	Steel springs, except wire	60	67	49	54	2	2	3	2	2	3
3494	Valves and pipe fittings, n.e.c.	71	68	60	56	4	4	5	3	3	4
3495	Wire springs	80	80	62	62	3	2	3	3	3	4
3496	Miscellaneous fabricated wire products	72	72	52	51	3	3	4	3	4	5
3497	Metal foil and leaf	87	86	79	78	1	1	2	1	1	2
3498	Fabricated pipe and fittings	76	76	53	54	2	2	3	2	2	3
3499	Fabricated metal products, n.e.c.	76	77	54	55	3	3	4	3	3	4
35	Industrial machinery and equipment	73	74	53	53	1	1	2	1	1	1
351	Engines and turbines	79	81	59	61	2	3	4	2	2	3
3511	Turbines and turbine generator sets	95	94	73	66	3	3	4	2	2	3
3519	Internal combustion engines, n.e.c.	75	77	55	59	3	3	4	2	3	3
352	Farm and garden machinery	74	72	59	56	3	3	4	3	2	4
3523	Farm machinery and equipment	76	72	63	57	3	4	5	3	2	4
3524	Lawn and garden equipment	67	73	48	54	4	3	5	6	5	8
353	Construction and related machinery	76	74	54	53	2	2	2	2	2	3
3531	Construction machinery	81	75	58	55	3	3	4	4	4	5
3532	Mining machinery	76	76	52	51	2	2	3	3	3	4
3533	Oil and gas field machinery	71	66	56	51	2	2	3	2	2	3
3534	Elevators and moving stairways	71	69	52	51	2	2	3	2	2	3
3535	Conveyors and conveying equipment	74	74	51	52	2	3	4	3	3	4
3536	Hoists, cranes, and monorails	75	75	44	46	2	2	3	2	3	4
3537	Industrial trucks and tractors	72	76	46	49	3	3	4	3	3	4
354	Metalworking machinery	74	76	54	53	3	2	4	2	2	3
3541	Machine tools, metal cutting types	74	76	54	59	5	5	7	4	4	5
3542	Machine tools, metal forming types	76	80	58	61	2	2	3	3	3	4
3543	Industrial patterns	74	79	51	55	5	3	5	4	3	4
3544	Special dies, tools, jigs, and fixtures	74	75	51	52	2	2	3	2	2	3
3545	Machine tool accessories	76	77	44	46	4	4	5	6	6	8
3546	Power-driven handtools	77	80	58	60	2	2	3	3	4	5
3547	Rolling mill machinery	87	91	64	67	4	2	4	4	3	5
3548	Welding apparatus	79	74	53	50	3	3	4	4	4	6
3549	Metalworking machinery, n.e.c.	80	74	58	54	4	4	5	4	4	5
355	Special industry machinery	71	73	42	43	2	2	2	2	2	2
3552	Textile machinery	67	64	39	38	3	4	5	3	3	4
3553	Woodworking machinery	67	69	46	48	1	1	2	2	2	2
3554	Paper industries machinery	87	92	61	65	3	2	3	5	5	7
3555	Printing trades machinery	74	74	46	46	2	3	4	2	2	3
3556	Food products machinery	71	71	46	47	3	3	4	2	2	3
3559	Special industry machinery, n.e.c.	69	72	39	39	2	3	3	2	2	3

See footnotes at end of table.

Table 2a. Capacity Utilization Rates by Industry: Fourth Quarters 1996 and 1995—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1996	1995	1996	1995	Full production			National emergency production			
						Level		1995 to 1996 change	Level		1995 to 1996 change	
						1996	1995		1996	1995		
35	Industrial machinery and equipment—Con.											
356	General industrial machinery	73	74	54	54	1	1	1	1	1	2	
3561	Pumps and pumping equipment	70	68	56	53	3	3	4	3	3	4	
3562	Ball and roller bearings	81	83	69	72	2	2	2	2	2	3	
3563	Air and gas compressors	75	72	56	54	2	2	3	2	2	3	
3564	Blowers and fans	65	66	43	43	3	3	4	4	4	6	
3565	Packaging machinery	77	81	49	51	2	3	3	2	2	3	
3566	Speed changers, drives, and gears	76	82	58	64	2	2	2	2	2	3	
3567	Industrial furnaces and ovens	71	73	41	43	2	2	3	2	1	2	
3568	Power transmission equipment, n.e.c.	76	72	58	53	3	3	4	3	4	5	
3569	General industrial machinery, n.e.c.	73	73	55	55	3	2	3	2	2	3	
357	Computer and office equipment	73	77	57	60	2	3	3	2	2	3	
3571	Electronic computers	69	74	60	64	4	4	5	4	3	5	
3572	Computer storage devices	96	85	73	65	2	7	7	7	7	10	
3575	Computer terminals	85	88	56	66	7	4	8	9	6	11	
3577	Computer peripheral equipment, n.e.c.	69	82	49	52	2	2	2	3	4	5	
3578	Calculating and accounting equipment	82	78	33	32	2	3	3	3	3	4	
3579	Office machines, n.e.c.	76	79	54	54	3	5	6	4	5	6	
358	Refrigeration and service machinery	67	68	48	49	3	3	4	3	3	4	
3581	Automatic vending machines	67	70	54	55	2	3	4	3	3	4	
3582	Commercial laundry equipment	77	82	50	53	6	8	10	7	8	10	
3585	Refrigeration and heating equipment	65	67	51	52	4	3	5	4	4	5	
3586	Measuring and dispensing pumps	74	79	46	49	5	5	7	8	8	11	
3589	Service industry machinery, n.e.c.	68	69	41	41	4	3	5	3	3	4	
359	Industrial machinery, n.e.c.	72	72	50	50	2	2	3	3	2	3	
3592	Carburetors, pistons, rings, and valves	83	79	71	71	2	3	3	4	3	5	
3593	Fluid power cylinders and actuators	71	68	47	46	2	2	2	3	3	4	
3594	Fluid power pumps and motors	78	76	62	60	4	4	5	3	4	5	
3596	Scales and balances, except laboratory	68	71	44	47	4	4	6	2	2	3	
3599	Industrial machinery, n.e.c.	72	71	49	48	2	3	3	3	3	4	
36	Electronic and other electric equipment	75	77	58	59	1	2	2	2	2	2	2
361	Electric distribution equipment	78	76	58	57	1	1	2	2	2	3	
3612	Transformers, except electronic	74	73	53	55	2	2	3	3	3	4	
3613	Switchgear and switchboard apparatus	80	79	61	59	2	1	2	2	2	3	
362	Electrical industrial apparatus	76	76	55	54	2	2	3	2	2	3	
3621	Motors and generators	80	80	64	66	2	2	3	3	3	4	
3624	Carbon and graphite products	85	87	72	74	3	4	5	5	5	7	
3625	Relays and industrial controls	71	71	50	47	4	4	5	4	3	5	
3629	Electrical industrial apparatus, n.e.c.	76	74	45	44	1	2	2	2	2	3	
363	Household appliances	76	79	56	57	2	1	2	1	1	2	
3631	Household cooking equipment	66	66	47	46	3	3	4	2	2	3	
3632	Household refrigerators and freezers	69	79	48	54	3	3	4	3	3	4	
3633	Household laundry equipment	81	83	70	72	4	4	5	2	2	3	
3634	Electric housewares and fans	74	74	52	52	2	2	3	3	2	3	
3635	Household vacuum cleaners	83	82	66	65	5	4	6	4	3	4	
3639	Household appliances, n.e.c.	93	90	65	61	1	1	1	3	3	4	
364	Electric lighting and wiring equipment	73	73	51	50	2	2	2	2	2	3	
3641	Electric lamp bulbs and tubes	70	71	44	44	5	5	7	6	6	9	
3643	Current-carrying wiring devices	74	70	60	55	4	3	5	3	3	4	
3644	Noncurrent-carrying wiring devices	74	71	50	48	2	2	3	7	8	11	
3645	Residential lighting fixtures	74	74	43	42	3	2	3	3	3	4	
3646	Commercial lighting fixtures	71	73	55	54	2	2	3	3	2	3	
3647	Vehicular lighting equipment	78	82	57	60	3	3	4	5	5	7	
3648	Lighting equipment, n.e.c.	74	73	45	45	2	2	3	2	2	3	
365	Household audio and video equipment	73	74	57	57	2	1	2	1	1	2	
3651	Household audio and video equipment	69	69	52	50	2	1	2	1	1	1	
3652	Prerecorded records and tapes	79	84	69	73	2	1	2	3	3	4	
366	Communications equipment	70	72	53	52	2	2	3	2	2	2	
3661	Telephone and telegraph apparatus	71	75	54	57	3	3	4	2	3	4	
3663	Radio and television communications equipment	68	71	53	50	1	4	4	2	3	3	
3669	Communications equipment, n.e.c.	73	66	51	45	3	4	5	2	2	3	
367	Electronic components and accessories	78	81	64	66	2	3	4	4	4	6	
3671	Electron tubes	86	84	72	69	3	3	4	2	2	3	
3672	Printed circuit boards	77	81	53	56	4	4	5	5	5	6	
3674	Semiconductors and related devices	80	84	69	71	3	4	6	7	7	9	
3675	Electronic capacitors	82	86	73	80	2	3	3	2	3	4	
3676	Electronic resistors	61	65	45	48	2	3	3	2	3	3	
3677	Electronic coils and transformers	67	71	47	49	2	2	3	2	2	3	
3678	Electronic connectors	70	69	55	54	2	2	3	2	3	3	
3679	Electronic components, n.e.c.	74	73	59	56	3	3	4	3	3	4	
369	Miscellaneous electrical equipment and supplies	78	78	56	58	2	1	2	2	1	2	
3691	Storage batteries	78	86	67	71	2	2	3	2	2	3	
3692	Primary batteries, dry and wet	79	79	54	56	2	2	2	4	2	4	
3694	Engine electrical equipment	78	77	60	59	3	2	3	3	2	4	
3695	Magnetic and optical recording media	87	87	80	82	1	1	1	1	1	1	
3699	Electrical equipment and supplies, n.e.c.	71	70	40	42	3	3	3	2	2	2	
37	Transportation equipment	72	72	54	52	2	1	2	1	1	2	
371	Motor vehicles and equipment	77	81	55	58	3	2	3	2	2	3	
3711	Motor vehicles and car bodies	77	85	52	58	4	2	5	3	3	4	
3713	Truck and bus bodies	69	73	44	43	3	3	4	3	2	3	
3714	Motor vehicle parts and accessories	79	79	63	63	2	2	3	2	2	3	
3715	Truck trailers	75	77	53	51	2	4	4	2	3	4	
3716	Motor homes	54	52	30	27	2	2	3	2	1	2	

See footnotes at end of table.

Table 2a. Capacity Utilization Rates by Industry: Fourth Quarters 1996 and 1995—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1996	1995	1996	1995	Full production			National emergency production			
						Level		1995 to 1996 change	Level		1995 to 1996 change	
						1996	1995		1996	1995		
37	Transportation equipment—Con.											
372	Aircraft and parts	65	58	56	42	1	1	1	1	1	2	
3721	Aircraft	61	54	58	51	—	1	1	1	1	1	
3724	Aircraft engines and engine parts	80	70	58	45	2	3	3	2	4	4	
3728	Aircraft parts and equipment, n.e.c.	67	59	53	30	2	2	3	3	2	3	
373	Ship and boat building and repairing	70	69	43	45	2	2	2	2	3	3	
3731	Ship building and repairing	72	73	44	49	2	2	3	3	4	5	
3732	Boat building and repairing	65	62	41	38	1	2	2	1	1	2	
374	Railroad equipment	80	81	59	60	4	4	5	3	2	3	
3743	Railroad equipment	80	81	59	60	4	4	5	3	2	3	
375	Motorcycles, bicycles, and parts	89	88	63	62	3	3	4	3	3	4	
3751	Motorcycles, bicycles, and parts	89	88	63	62	3	3	4	3	3	4	
376	Guided missiles, space vehicles, parts	65	66	47	48	2	2	2	2	2	2	
3761	Guided missiles and space vehicles	69	74	50	53	2	2	2	2	2	3	
3764	Space propulsion units and parts	53	47	39	35	4	5	6	3	3	4	
3769	Space vehicle equipment, n.e.c.	60	59	40	42	2	2	3	1	1	2	
379	Miscellaneous transportation equipment	62	61	41	42	2	2	2	2	2	2	
3792	Travel trailers and campers	62	63	38	38	2	2	2	2	2	3	
3795	Tanks and tank components	50	46	35	34	3	3	4	3	4	5	
3799	Transportation equipment, n.e.c.	72	74	47	51	1	1	2	1	1	2	
38	Instruments and related products	71	71	50	50	2	2	2	1	2	2	
381	Search and navigation equipment	58	60	43	42	4	5	6	3	4	5	
3812	Search and navigation equipment	58	60	43	42	4	5	6	3	4	5	
382	Measuring and controlling devices	70	71	46	47	1	1	2	1	1	2	
3821	Laboratory apparatus and furniture	81	83	44	51	2	3	3	3	4	5	
3822	Environmental controls	73	72	49	48	2	3	3	3	3	4	
3823	Process control instruments	64	66	43	44	3	3	4	2	2	3	
3824	Fluid meters and counting devices	81	73	56	49	3	5	5	5	5	7	
3825	Instruments to measure electricity	72	73	47	49	2	3	4	2	3	4	
3826	Analytical instruments	68	71	47	49	2	2	3	2	2	3	
3827	Optical instruments and lenses	72	72	48	47	4	6	7	4	4	5	
3829	Measuring and controlling devices, n.e.c.	67	65	46	45	3	2	3	2	2	2	
384	Medical instruments and supplies	77	75	52	53	2	2	2	2	2	2	
3841	Surgical and medical instruments	73	71	57	55	3	4	4	2	3	3	
3842	Surgical appliances and supplies	76	77	51	53	2	2	3	4	4	5	
3843	Dental equipment and supplies	76	74	51	50	3	3	4	3	3	4	
3844	X-ray apparatus and tubes	81	74	57	52	2	3	3	3	3	4	
3845	Electromedical equipment	83	81	45	50	2	2	2	3	3	4	
385	Ophthalmic goods	78	79	62	63	2	2	3	4	4	5	
3851	Ophthalmic goods	78	79	62	63	2	2	3	4	4	5	
386	Photographic equipment and supplies	82	83	70	71	2	2	3	2	3	3	
3861	Photographic equipment and supplies	82	83	70	71	2	2	3	2	3	3	
387	Watches, clocks, watchcases, and parts	67	65	40	37	3	3	4	2	2	2	
3873	Watches, clocks, watchcases, and parts	67	65	40	37	3	3	4	2	2	2	
39	Miscellaneous manufacturing industries	74	76	47	45	2	2	2	2	2	2	
391	Jewelry, silverware, and plated ware	82	80	51	49	2	2	3	3	3	4	
3911	Jewelry, precious metal	82	79	49	47	3	3	4	4	4	5	
3914	Silverware and plated ware	86	90	67	69	4	2	4	5	3	6	
3915	Jewelers' materials and lapidary work	79	75	46	44	2	2	3	5	4	6	
393	Musical instruments	79	80	41	42	4	4	5	3	3	4	
3931	Musical instruments	79	80	41	42	4	4	5	3	3	4	
394	Toys and sporting goods	68	72	45	43	4	3	4	4	3	5	
3942	Dolls and stuffed toys	63	69	57	62	7	5	8	9	7	12	
3944	Games, toys, and children's vehicles	66	70	50	53	6	4	7	8	7	11	
3949	Sporting and athletic goods, n.e.c.	69	73	42	39	5	3	6	4	3	5	
395	Pens, pencils, office, and art supplies	80	82	49	51	2	2	3	3	4	5	
3951	Pens and mechanical pencils	78	79	59	58	2	2	3	1	1	1	
3952	Lead pencils and art goods	85	87	42	42	7	6	9	8	8	11	
3953	Marking devices	85	87	50	47	4	3	4	6	6	8	
3955	Carbon paper and inked ribbons	72	76	47	69	6	4	7	4	2	5	
396	Costume jewelry and notions	72	74	50	50	4	4	5	4	4	6	
3961	Costume jewelry	71	75	43	46	4	4	5	4	4	6	
3965	Fasteners, buttons, needles, and pins	75	72	70	63	9	9	13	8	7	10	
399	Miscellaneous manufactures	76	77	48	44	2	2	3	3	3	4	
3991	Brooms and brushes	68	71	39	41	5	6	8	5	5	7	
3993	Signs and advertising specialties	75	73	51	42	4	4	5	4	5	6	
3995	Burial caskets	85	87	48	50	2	2	2	6	6	8	
3996	Hard surface floor coverings, n.e.c.	76	76	67	69	6	4	7	5	4	6	
3999	Manufacturing industries, n.e.c.	78	80	42	41	4	4	6	5	4	6	

¹A description of the standard error is given in appendix B, "Qualifications of the Data" of the report.

²SIC 2067, Chewing Gum is combined with SIC 2064 as of 1993.

Note: Some data are revised to include additional information. See introduction for a discussion of the revision.

Table 2b. Capacity Utilization Rates by Industry: Fourth Quarters 1994 and 1993

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1994	1993	1994	1993	Full production			National emergency production		
						Level		1993 to 1994 change	Level		1993 to 1994 change
						1994	1993		1994	1993	
	All industries	80	78	63	61	1	1	1	1	1	1
	Durable goods industries	78	76	59	57	1	1	1	1	1	1
	Nondurable goods industries	82	81	67	67	1	1	1	1	1	2
	Advanced processing industries	78	77	60	59	1	1	1	1	1	1
	Primary processing industries	84	82	69	67	1	1	1	1	1	2
20	Food and kindred products	79	79	66	66	2	2	2	2	2	2
201	Meat products	86	85	74	74	2	2	3	3	3	4
2011	Meat packing plants	86	84	76	74	3	3	4	5	5	7
2013	Sausages and other prepared meats	80	84	71	74	5	3	6	5	4	7
2015	Poultry slaughtering and processing	89	87	76	75	4	4	5	5	6	8
202	Dairy products	82	82	74	74	2	2	2	2	2	2
2021	Creamery butter	75	80	63	68	7	2	7	8	5	9
2022	Cheese, natural and processed	85	88	80	81	3	3	4	3	4	4
2023	Dry, condensed, and evaporated dairy products	78	73	71	67	4	4	5	3	3	4
2024	Ice cream and frozen desserts	75	73	65	66	4	4	5	4	5	6
2026	Fluid milk	86	86	78	78	3	3	3	2	2	3
203	Preserved fruits and vegetables	77	79	63	65	4	3	5	4	4	6
2032	Canned specialties	76	78	57	64	4	3	5	5	5	7
2033	Canned fruits and vegetables	75	78	57	58	7	8	10	7	7	10
2034	Dehydrated fruits, vegetables, and soups	80	80	61	57	4	3	5	11	11	15
2035	Pickles, sauces, and salad dressings	71	72	61	60	12	9	15	14	13	19
2037	Frozen fruits and vegetables	92	91	86	86	3	2	4	4	3	5
2038	Frozen specialties, n.e.c.	75	80	68	73	7	3	7	5	2	6
204	Grain mill products	83	83	72	71	2	2	3	5	4	6
2041	Flour and other grain mill products	91	89	85	82	5	4	6	5	4	7
2043	Cereal breakfast foods	84	85	72	68	2	2	3	10	8	13
2044	Rice milling	95	94	93	93	1	2	2	2	2	2
2045	Prepared flour mixes and doughs	84	86	70	72	3	3	4	9	9	13
2046	Wet corn milling	96	96	96	96	1	1	1	1	1	1
2047	Dog and cat food	83	85	79	83	7	6	9	6	6	9
2048	Prepared feeds, n.e.c.	69	68	54	53	5	5	7	9	8	12
205	Bakery products	79	81	67	69	6	5	7	6	5	7
2051	Bread, cake, and related products	80	83	65	70	9	7	11	8	7	11
2052	Cookies and crackers	77	77	70	67	6	6	8	6	6	9
2053	Frozen bakery products, except bread	80	90	68	70	2	3	4	6	9	10
206	Sugar and confectionery products	77	78	64	65	2	2	2	3	2	3
2061	Raw cane sugar	94	95	94	95	2	2	3	2	2	3
2062	Cane sugar refining	78	(D)	71	(D)	3	(X)	(X)	2	(X)	(X)
2063	Beet sugar	100	100	96	95	-	1	1	3	3	4
2064	Candy and other confectionery products	75	78	59	59	2	3	3	3	3	4
2066	Chocolate and cocoa products	78	79	67	78	4	1	4	8	1	8
2067	Chewing gum	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
2068	Salted and roasted nuts and seeds	70	(D)	60	(D)	6	(X)	(X)	6	(X)	(X)
207	Fats and oils	82	81	74	70	4	3	5	5	5	7
2074	Cottonseed oil mills	95	96	95	95	2	2	3	2	3	3
2075	Soybean oil mills	87	83	86	83	6	4	8	6	4	7
2076	Vegetable oil mills, n.e.c.	75	73	58	51	2	7	7	6	9	11
2077	Animal and marine fats and oils	80	78	65	72	4	3	5	6	5	7
2079	Edible fats and oils, n.e.c.	74	80	58	59	8	6	10	11	10	15
208	Beverages	76	73	59	58	3	4	5	4	4	6
2082	Malt beverages	79	75	74	72	4	4	5	5	5	6
2083	Malt	100	92	99	91	1	1	1	1	2	2
2084	Vines, brandy, and brandy spirits	57	56	44	45	15	17	22	10	12	16
2085	Distilled and blended liquors	76	81	38	39	4	2	5	6	6	8
2086	Bottled and canned soft drinks	74	72	62	60	6	7	9	7	7	9
2087	Flavoring extracts and syrups, n.e.c.	83	81	53	51	4	5	6	12	12	17
209	Miscellaneous food and kindred products	73	72	59	57	4	5	6	4	4	5
2091	Canned and cured fish and seafoods	70	72	61	68	6	2	7	6	3	6
2092	Fresh or frozen prepared fish	63	69	44	46	10	9	13	8	9	12
2095	Roasted coffee	64	60	61	58	10	11	15	9	10	13
2096	Potato chips and similar snacks	89	83	68	61	6	4	8	9	8	12
2097	Manufactured ice	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)
2098	Macaroni and spaghetti	84	90	79	84	4	4	5	2	3	3
2099	Food preparations, n.e.c.	72	72	57	55	8	8	11	5	6	8
21	Tobacco products	86	83	78	75	1	1	2	1	1	2
211	Cigarettes	87	83	81	78	1	2	2	1	1	2
2111	Cigarettes	87	83	81	78	1	2	2	1	1	2
212	Cigars	73	64	47	40	6	5	8	4	3	5
2121	Cigars	73	64	47	40	6	5	8	4	3	5
213	Chewing and smoking tobacco	88	85	60	58	7	7	10	7	6	9
2131	Chewing and smoking tobacco	88	85	60	58	7	7	10	7	6	9
214	Tobacco stemming and redrying	75	71	57	54	3	2	3	5	4	7
2141	Tobacco stemming and redrying	75	71	57	54	3	2	3	5	4	7
22	Textile mill products	87	85	79	77	1	1	2	2	2	2
221	Broadwoven fabric mills, cotton	97	97	97	96	2	1	2	2	2	2
2211	Broadwoven fabric mills, cotton	97	97	97	96	2	1	2	2	2	2
222	Broadwoven fabric mills, manmade fiber and silk	90	88	88	87	3	3	4	4	3	5
2221	Broadwoven fabric mills, manmade fiber and silk	90	88	88	87	3	3	4	4	3	5
223	Broadwoven fabric mills, wool	86	85	77	76	4	4	5	6	6	8
2231	Broadwoven fabric mills, wool	86	85	77	76	4	4	5	6	6	8

See footnotes at end of table.

Table 2b. Capacity Utilization Rates by Industry: Fourth Quarters 1994 and 1993—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1994	1993	1994	1993	Full production			National emergency production			
						Level		1993 to 1994 change	Level		1993 to 1994 change	
						1994	1993		1994	1993		
22	Textile mill products—Con.											
224	Narrow fabric mills	78	81	71	75	3	2	3	3	2	4	
2241	Narrow fabric mills	78	81	71	75	3	2	3	3	2	4	
225	Knitting mills	84	81	77	72	2	3	3	2	3	4	
2251	Women's hosiery, except socks	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
2252	Hosiery, n.e.c.	85	85	74	72	2	1	2	3	4	5	
2253	Knit outerwear mills	83	83	79	75	5	3	6	4	3	5	
2254	Knit underwear mills	81	63	63	46	2	2	3	8	6	10	
2257	Weft knit fabric mills	86	(S)	82	(S)	4	(X)	(X)	5	(X)	(X)	
2258	Lace and warp knit fabric mills	84	81	77	70	4	6	7	6	9	10	
2259	Knitting mills, n.e.c.	90	88	85	84	2	2	3	2	3	3	
226	Textile finishing, except wool	88	87	83	82	1	2	2	1	1	2	
2261	Finishing plants, cotton	91	92	83	83	2	2	2	2	2	3	
2262	Finishing plants, manmade	87	85	82	81	2	2	3	2	2	2	
2269	Finishing plants, n.e.c.	87	86	86	85	3	4	5	3	4	5	
227	Carpets and rugs	84	85	72	74	4	4	5	6	5	8	
2273	Carpets and rugs	84	85	72	74	4	4	5	6	5	8	
228	Yarn and thread mills	90	90	88	88	2	2	3	3	3	4	
2281	Yarn spinning mills	92	90	91	89	3	3	4	3	3	4	
2282	Throwing and winding mills	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
2284	Thread mills	79	79	79	79	2	3	3	2	3	3	
229	Miscellaneous textile goods	84	84	70	68	2	2	3	5	5	7	
2295	Coated fabrics, not rubberized	83	82	50	46	3	3	5	11	11	15	
2296	Tire cord and fabrics	92	91	83	82	3	3	4	5	5	7	
2297	Nonwoven fabrics	84	83	82	81	3	3	4	3	3	4	
2298	Cordage and twine	77	80	65	65	8	7	10	12	13	17	
2299	Textile goods, n.e.c.	85	84	76	75	3	3	4	4	5	6	
23	Apparel and other textile products	85	86	53	55	2	2	3	3	3	4	
231	Men's and boys' suits and coats	76	75	54	54	12	12	17	6	6	9	
2311	Men's and boys' suits and coats	76	75	54	54	12	12	17	6	6	9	
232	Men's and boys' furnishings	90	87	43	45	3	3	4	3	4	5	
2321	Men's and boys' shirts	89	88	40	41	3	2	4	7	8	11	
2322	Men's and boys' underwear and nightwear	86	67	35	61	4	7	8	5	5	7	
2323	Men's and boys' neckwear	65	73	55	61	9	9	13	8	8	11	
2325	Men's and boys' trousers and slacks	98	93	38	41	1	2	2	4	4	5	
2326	Men's and boys' work clothing	87	75	49	43	8	15	17	5	8	9	
2329	Men's and boys' clothing, n.e.c.	84	85	63	68	10	10	14	12	12	17	
233	Women's and misses' outerwear	86	89	65	63	6	3	6	9	7	11	
2331	Women's, misses', and juniors' blouses and shirts	95	95	94	95	4	4	6	5	4	6	
2335	Women's, misses', and juniors' dresses	83	87	68	80	13	4	13	19	4	19	
2337	Women's, misses', and juniors' suits and coats	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
2339	Women's, misses', and juniors' outerwear, n.e.c.	91	92	59	53	5	5	7	11	11	15	
234	Women's and children's undergarments	89	90	74	74	2	2	3	5	5	7	
2341	Women's and children's underwear	90	92	75	77	4	3	5	6	6	9	
2342	Brassieres, girdles, and allied garments	88	88	72	71	1	1	2	7	8	10	
235	Hats, caps, and millinery	87	86	58	48	3	4	5	10	8	13	
2353	Hats, caps, and millinery	87	86	58	48	3	4	5	10	8	13	
236	Girls' and children's outerwear	86	89	57	62	3	4	5	5	7	9	
2361	Girls' and children's dresses and blouses	78	84	65	64	6	7	9	7	5	9	
2369	Girls' and children's outerwear, n.e.c.	91	93	54	61	2	5	5	6	12	13	
237	Fur goods	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
2371	Fur goods	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
238	Miscellaneous apparel and accessories	72	78	49	52	4	4	6	4	4	6	
2381	Fabric dress and work gloves	82	84	38	38	4	5	6	4	3	5	
2384	Robes and dressing gowns	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
2385	Waterproof outerwear	(S)	92	(S)	64	(X)	3	(X)	(X)	9	(X)	
2386	Leather and sheep-lined clothing	85	88	68	76	4	5	6	6	3	7	
2387	Apparel belts	62	64	48	55	8	7	11	6	5	8	
2389	Apparel and accessories, n.e.c.	85	91	63	54	8	7	10	12	11	17	
239	Miscellaneous fabricated textile products	83	83	52	53	2	2	3	4	4	6	
2391	Curtains and draperies	81	83	55	58	2	2	3	8	8	11	
2392	Housefurnishings, n.e.c.	83	88	51	54	1	2	2	10	10	14	
2393	Textile bags	73	75	43	49	8	6	10	11	10	15	
2394	Canvas and related products	60	60	46	44	8	8	12	5	5	7	
2395	Pleating and stitching	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
2396	Automotive and apparel trimmings	87	89	57	58	3	3	4	9	9	12	
2397	Schiffli machine embroideries	85	90	80	87	7	5	9	8	6	10	
2399	Fabricated textile products, n.e.c.	88	79	49	46	4	5	7	9	8	12	
24	Lumber and wood products	80	81	53	54	2	2	3	4	4	5	
241	Logging	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
2411	Logging	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)	
242	Sawmills and planing mills	79	82	43	44	3	4	5	8	8	11	
2421	Sawmills and planing mills, general	78	81	42	43	4	5	6	8	9	12	
2426	Hardwood dimension and flooring mills	85	87	49	51	3	3	4	8	8	12	
2429	Special product sawmills, n.e.c.	77	59	54	51	7	4	8	4	5	7	
243	Millwork, plywood, and structural members	78	79	54	55	3	3	5	4	5	6	
2431	Millwork	71	71	49	52	6	6	8	6	6	8	
2434	Wood kitchen cabinets	87	89	45	42	3	3	4	8	9	12	
2435	Hardwood veneer and plywood	86	85	62	57	3	3	4	7	7	10	
2436	Softwood veneer and plywood	95	92	94	92	2	4	4	2	4	4	
2439	Structural wood members, n.e.c.	66	66	57	56	9	9	12	7	6	9	

See footnotes at end of table.

Table 2b. Capacity Utilization Rates by Industry: Fourth Quarters 1994 and 1993—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1994	1993	1994	1993	Full production		1993 to 1994 change	National emergency production		1993 to 1994 change
						Level			Level		
						1994	1993	1994	1993	1994	1993
24	Lumber and wood products—Con.										
244	Wood containers	73	70	56	53	4	4	6	4	3	5
2441	Nailed wood boxes and shooks	61	58	41	32	6	7	9	6	4	7
2448	Wood pallets and skids	74	71	61	61	5	5	7	5	5	7
2449	Wood containers, n.e.c.	86	79	46	41	4	5	6	7	6	9
245	Wood buildings and mobile homes	81	80	44	44	4	4	5	3	4	5
2451	Mobile homes	83	81	42	43	5	4	6	4	4	5
2452	Prefabricated wood buildings	79	77	47	47	6	5	8	7	8	10
249	Miscellaneous wood products	85	79	71	68	4	4	6	4	4	6
2491	Wood preserving	80	86	58	68	5	5	7	7	6	9
2493	Reconstituted wood products	92	92	86	85	3	4	5	5	6	8
2499	Wood products, n.e.c.	78	68	61	56	9	7	11	6	6	8
25	Furniture and fixtures	81	80	52	52	2	2	2	3	2	4
251	Household furniture	86	83	55	52	2	2	3	4	3	5
2511	Wood household furniture	87	84	60	57	3	3	5	6	6	9
2512	Upholstered household furniture	87	86	52	52	3	3	4	6	6	9
2514	Metal household furniture	87	82	56	49	4	5	6	8	6	10
2515	Mattresses and bedsprings	80	77	46	44	4	5	6	7	6	9
2517	Wood television and radio cabinets	66	63	39	38	10	8	13	11	10	15
2519	Household furniture, n.e.c.	82	82	71	70	5	5	7	7	7	10
252	Office furniture	72	74	42	45	4	4	6	6	5	7
2521	Wood office furniture	65	71	29	33	5	3	6	9	8	12
2522	Office furniture, except wood	75	74	49	51	5	5	7	5	5	7
253	Public building and related furniture	85	84	67	64	3	3	4	4	4	6
2531	Public building and related furniture	85	84	67	64	3	3	4	4	4	6
254	Partitions and fixtures	82	83	57	56	4	3	5	5	6	8
2541	Wood partitions and fixtures	79	83	50	52	6	5	8	6	7	9
2542	Partitions and fixtures, except wood	85	84	66	61	3	4	5	9	10	13
259	Miscellaneous furniture and fixtures	80	78	50	49	5	5	7	8	8	11
2591	Drapery hardware and blinds and shades	86	83	42	40	3	5	6	12	13	17
2599	Furniture and fixtures, n.e.c.	77	75	58	56	8	6	10	6	5	8
26	Paper and allied products	87	86	78	77	2	2	3	2	2	3
261	Pulp mills	97	92	96	92	2	4	4	2	4	4
2611	Pulp mills	97	92	96	92	2	4	4	2	4	4
262	Paper mills	98	98	93	95	1	1	2	4	3	5
2621	Paper mills	98	98	93	95	1	1	2	4	3	5
263	Paperboard mills	99	97	97	95	1	1	1	1	2	2
2631	Paperboard mills	99	97	97	95	1	1	1	1	2	2
265	Paperboard containers and boxes	81	79	66	64	4	4	6	6	3	6
2652	Setup paperboard boxes	77	78	42	43	4	5	6	5	5	7
2653	Corrugated and solid fiber boxes	82	78	71	67	5	6	8	5	5	6
2655	Fiber cans, drums, and similar products	77	77	44	45	5	5	7	5	5	7
2656	Sanitary food containers	80	81	65	64	4	4	5	6	6	8
2657	Folding paperboard boxes	82	81	72	72	5	5	7	7	7	9
267	Miscellaneous converted paper products	81	81	72	71	3	3	4	3	3	4
2671	Paper coated and laminated, packaging	79	79	74	74	3	3	4	3	3	4
2672	Paper coated and laminated, n.e.c.	79	75	65	62	6	7	9	8	7	11
2673	Bags plastics, laminated, and coated	70	68	65	63	6	6	9	6	6	9
2674	Bags uncoated paper and multiwall	90	87	78	76	4	3	5	6	5	8
2675	Die-cut paper and board	47	49	34	36	15	13	19	13	12	17
2676	Sanitary paper products	91	92	86	85	3	3	4	3	3	4
2677	Envelopes	88	90	78	79	5	5	6	3	3	4
2678	Stationery products	80	76	70	66	4	5	6	7	7	10
2679	Converted paper products, n.e.c.	90	91	79	78	3	3	4	2	3	3
27	Printing and publishing	83	83	66	68	2	2	3	3	3	4
271	Newspapers	78	83	62	64	6	3	7	8	7	11
2711	Newspapers	78	83	62	64	6	3	7	8	7	11
272	Periodicals	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)
2721	Periodicals	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)
273	Books	86	84	76	71	7	6	9	10	8	13
2731	Book publishing	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)
2732	Book printing	87	87	81	81	4	4	5	3	3	4
274	Miscellaneous publishing	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)
2741	Miscellaneous publishing	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)
275	Commercial printing	83	83	64	64	3	2	3	4	4	6
2752	Commercial printing, lithographic	83	83	67	68	3	3	4	4	4	5
2754	Commercial printing, gravure	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)
2759	Commercial printing, n.e.c.	84	82	52	49	3	5	5	9	10	13
276	Manifold business forms	79	78	65	66	6	6	8	7	7	9
2761	Manifold business forms	79	78	65	66	6	6	8	7	7	9
277	Greeting cards	80	73	62	56	2	2	3	3	2	3
2771	Greeting cards	80	73	62	56	2	2	3	3	2	3
278	Blankbooks and bookbinding	74	74	55	53	3	3	4	3	3	4
2782	Blankbooks and looseleaf binders	73	72	53	50	3	3	4	3	3	4
2789	Bookbinding and related work	77	77	60	59	7	6	9	7	7	10
279	Printing trade services	81	81	62	62	3	3	4	5	5	7
2791	Typesetting	(S)	75	(S)	50	(X)	6	(X)	(X)	8	(X)
2796	Platemaking services	82	84	68	70	3	2	4	6	6	9

See footnotes at end of table.

Table 2b. Capacity Utilization Rates by Industry: Fourth Quarters 1994 and 1993—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1994	1993	1994	1993	Full production			National emergency production		
						Level		1993 to 1994 change	Level		1993 to 1994 change
						1994	1993		1994	1993	
28	Chemicals and allied products	78	78	66	65	2	2	2	2	2	3
281	Industrial inorganic chemicals	83	78	62	55	3	4	5	10	9	13
2812	Alkalies and chlorine	96	96	96	96	2	2	3	2	2	3
2813	Industrial gases	69	63	68	61	7	6	9	7	6	8
2816	Inorganic pigments	87	88	80	80	3	2	4	4	5	6
2819	Industrial inorganic chemicals, n.e.c.	85	80	57	49	4	5	6	13	11	17
282	Plastics materials and synthetics	87	85	84	80	3	3	4	3	3	4
2821	Plastics materials and resins	86	84	81	77	4	4	6	4	5	6
2822	Synthetic rubber	91	84	91	82	4	3	5	4	3	5
2823	Cellulosic manmade fibers	73	75	73	74	1	1	1	1	1	1
2824	Organic fibers, noncellulosic	91	88	90	88	2	2	3	2	2	3
283	Drugs	70	72	58	63	4	3	5	5	3	6
2833	Medicinals and botanicals	80	89	80	88	4	3	5	4	3	5
2834	Pharmaceutical preparations	67	70	55	60	4	4	5	5	4	6
2835	Diagnostic substances	73	70	59	56	7	6	9	7	6	9
2836	Biological products, except diagnostic	94	97	90	91	2	2	3	5	6	8
284	Soaps, cleaners, and toilet goods	78	75	56	54	2	3	3	3	3	4
2841	Soap and other detergents	72	70	52	51	5	4	6	6	5	8
2842	Polishes and sanitation goods	76	75	43	42	7	7	10	7	7	9
2843	Surface active agents	82	71	54	42	6	7	9	13	8	15
2844	Toilet preparations	82	78	68	64	2	3	4	3	4	5
285	Paints and allied products	69	67	57	58	5	5	7	5	5	7
2851	Paints and allied products	69	67	57	58	5	5	7	5	5	7
286	Industrial organic chemicals	89	90	86	88	2	2	3	3	3	4
2861	Gum and wood chemicals	73	65	72	64	12	15	19	12	14	19
2865	Cyclic crudes and intermediates	88	86	86	84	2	2	3	2	2	3
2869	Industrial organic chemicals, n.e.c.	89	91	87	89	2	2	3	4	3	5
287	Agricultural chemicals	88	84	78	70	2	2	3	4	4	6
2873	Nitrogenous fertilizers	93	90	92	87	4	6	7	3	5	6
2874	Phosphatic fertilizers	87	84	98	83	9	9	12	1	9	9
2875	Fertilizers, mixing only	77	77	61	60	8	10	12	10	12	16
2879	Agricultural chemicals, n.e.c.	88	83	73	64	2	2	3	6	5	7
289	Miscellaneous chemical products	82	83	65	65	3	2	3	4	4	6
2891	Adhesives and sealants	82	78	65	60	4	3	5	7	6	9
2892	Explosives	78	81	70	75	3	2	3	3	4	5
2893	Printing ink	77	79	50	52	5	4	6	7	7	10
2895	Carbon black	99	98	96	94	1	1	1	2	2	2
2899	Chemical preparations, n.e.c.	82	86	67	69	4	3	5	7	7	9
29	Petroleum and coal products	89	87	77	76	1	2	2	3	3	4
291	Petroleum refining	95	93	92	90	1	2	2	1	2	3
2911	Petroleum refining	95	93	92	90	1	2	2	1	2	3
295	Asphalt paving and roofing materials	70	70	48	49	3	3	4	5	4	6
2951	Asphalt paving mixtures and blocks	62	64	37	39	5	5	6	6	5	8
2952	Asphalt felts and coatings	80	78	69	65	2	3	4	3	4	5
299	Miscellaneous petroleum and coal products	69	71	43	47	5	4	6	7	8	11
2992	Lubricating oils and greases	66	68	39	42	5	5	7	7	8	11
2999	Petroleum and coal products, n.e.c.	89	90	82	82	2	2	3	1	2	3
30	Rubber and miscellaneous plastics products	85	83	71	69	3	3	4	2	2	3
301	Tires and inner tubes	94	92	87	85	2	3	4	3	3	4
3011	Tires and inner tubes	94	92	87	85	2	3	4	3	3	4
302	Rubber and plastics footwear	73	84	60	66	4	4	5	2	2	3
3021	Rubber and plastics footwear	73	84	60	66	4	4	5	2	2	3
305	Hose and belting and gaskets and packing	80	83	68	72	3	2	3	4	4	5
3052	Rubber and plastics hose and belting	87	80	80	75	2	3	3	2	3	4
3053	Gaskets, packing, and sealing devices	76	84	63	71	4	3	5	5	6	7
306	Fabricated rubber products, n.e.c.	76	76	68	65	6	4	7	5	5	8
3061	Mechanical rubber goods	63	69	58	57	9	6	11	7	8	11
3069	Fabricated rubber products, n.e.c.	89	83	78	73	4	4	6	7	7	9
308	Miscellaneous plastics products, n.e.c.	86	83	70	68	4	4	5	3	3	4
3081	Unsupported plastics film and sheet	88	90	79	81	3	3	4	5	5	7
3082	Unsupported plastics profile shapes	89	89	80	77	4	4	6	7	7	10
3083	Laminated plastics plate, sheet, and profile shapes	89	85	78	74	3	4	5	6	6	8
3084	Plastics pipe	88	89	77	78	3	2	3	5	5	7
3085	Plastics bottles	89	88	69	69	3	4	5	9	8	12
3086	Plastics foam products	79	78	51	51	6	4	7	8	8	11
3087	Custom compounding of purchased plastics resins	85	80	74	68	2	2	3	4	4	5
3088	Plastics plumbing fixtures	69	63	38	40	3	4	5	6	6	8
3089	Plastics products, n.e.c.	87	82	73	70	7	6	9	4	4	6
31	Leather and leather products	78	77	57	55	2	2	3	3	3	4
311	Leather tanning and finishing	83	78	68	63	5	5	7	5	6	7
3111	Leather tanning and finishing	83	78	68	63	5	5	7	5	6	7
313	Footwear cut stock	69	77	31	34	5	5	7	7	7	10
3131	Footwear cut stock	69	77	31	34	5	5	7	7	7	10
314	Footwear, except rubber	80	79	55	54	3	3	4	5	5	7
3142	House slippers	81	76	54	54	5	9	10	9	11	14
3143	Men's footwear, except athletic	76	78	56	56	4	4	5	7	7	9
3144	Women's footwear, except athletic	86	83	53	54	2	7	7	11	12	17
3149	Footwear, except rubber, n.e.c.	89	82	55	44	1	2	2	6	6	8
315	Leather gloves and mittens	87	88	50	49	2	2	3	4	4	5
3151	Leather gloves and mittens	87	88	50	49	2	2	3	4	4	5

See footnotes at end of table.

Table 2b. Capacity Utilization Rates by Industry: Fourth Quarters 1994 and 1993—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1994	1993	1994	1993	Full production			National emergency production			
						Level		1993 to 1994 change	Level		1993 to 1994 change	
						1994	1993		1994	1993		
31	Leather and leather products—Con.											
316	Luggage	64	61	51	47	8	8	11	7	5	8	
3161	Luggage	64	61	51	47	8	8	11	7	5	8	
317	Handbags and personal leather goods	88	90	77	74	2	2	2	5	6	7	
3171	Women's handbags and purses	89	(S)	75	(S)	3	(X)	(X)	8	(X)	(X)	
3172	Personal leather goods, n.e.c.	88	91	78	76	2	2	3	5	6	7	
319	Leather goods, n.e.c.	77	77	50	51	5	4	6	4	4	5	
3199	Leather goods, n.e.c.	77	77	50	51	5	4	6	4	4	5	
32	Stone, clay, and glass products	81	78	66	65	3	3	4	4	3	5	
321	Flat glass	99	98	95	95	1	1	1	1	1	1	
3211	Flat glass	99	98	95	95	1	1	1	1	1	1	
322	Glass and glassware, pressed or blown	93	90	89	87	1	2	2	2	3	3	
3221	Glass containers	93	93	88	90	2	2	3	3	2	4	
3229	Pressed and blown glass, n.e.c.	93	88	90	84	2	3	3	3	4	5	
323	Products of purchased glass	84	81	78	76	2	3	3	3	3	4	
3231	Products of purchased glass	84	81	78	76	2	3	3	3	3	4	
324	Cement, hydraulic	97	91	91	86	1	2	3	4	4	6	
3241	Cement, hydraulic	97	91	91	86	1	2	3	4	4	6	
325	Structural clay products	87	83	78	76	2	2	3	3	2	3	
3251	Brick and structural clay tile	89	83	84	79	4	4	6	4	4	5	
3253	Ceramic wall and floor tile	95	95	91	90	2	2	3	4	4	6	
3255	Clay refractories	80	75	66	63	4	3	5	5	4	6	
3259	Structural clay products, n.e.c.	69	64	48	44	3	3	4	5	4	7	
326	Pottery and related products	82	80	67	66	5	5	7	5	5	7	
3261	Vitreous plumbing fixtures	97	92	79	74	2	3	4	8	8	11	
3262	Vitreous china table and kitchenware	90	87	61	59	1	2	2	8	8	11	
3263	Semivitreous table and kitchenware	86	83	50	50	1	1	1	1	1	1	
3264	Porcelain electrical supplies	69	68	65	64	11	12	16	9	11	14	
3269	Pottery products, n.e.c.	80	79	62	64	3	3	4	10	8	13	
327	Concrete, gypsum, and plaster products	69	66	51	51	7	7	9	6	5	8	
3271	Concrete block and brick	81	72	65	57	4	4	5	5	5	6	
3272	Concrete products, n.e.c.	81	82	65	68	4	5	6	6	5	7	
3273	Ready-mixed concrete	58	55	39	40	10	9	13	7	7	10	
3274	Lime	89	81	73	66	3	4	5	11	9	14	
3275	Gypsum products	95	91	95	91	1	2	2	1	2	2	
328	Cut stone and stone products	80	79	60	64	5	6	7	9	8	12	
3281	Cut stone and stone products	80	79	60	64	5	6	7	9	8	12	
329	Miscellaneous nonmetallic mineral products	84	82	66	62	2	2	3	4	5	6	
3291	Abrasive products	84	84	71	70	4	3	5	6	5	7	
3292	Asbestos products	74	(D)	74	(D)	1	(X)	(X)	1	(X)	(X)	
3295	Minerals, ground or treated	82	79	68	65	2	5	5	7	7	9	
3296	Mineral wool	88	87	67	61	4	3	5	11	12	17	
3297	Nonclay refractories	75	71	53	48	4	4	6	6	6	9	
3299	Nonmetallic mineral products, n.e.c.	82	(D)	59	(D)	5	(X)	(X)	8	(X)	(X)	
33	Primary metal industries	87	83	78	75	1	1	2	2	2	3	
331	Blast furnace and basic steel products	90	86	85	82	2	2	3	2	3	3	
3312	Blast furnaces and steel mills	92	87	89	85	2	3	4	2	3	4	
3313	Electrometallurgical products	78	81	69	72	3	3	4	3	3	4	
3315	Steel wire and related products	86	86	80	76	3	2	3	3	3	4	
3316	Cold finishing of steel shapes	85	82	80	80	2	2	2	2	2	3	
3317	Steel pipe and tubes	87	82	68	67	2	3	3	6	5	7	
332	Iron and steel foundries	81	75	70	66	3	3	4	4	4	5	
3321	Gray and ductile iron foundries	84	78	72	69	4	4	5	4	4	6	
3322	Malleable iron foundries	88	83	84	80	2	2	2	3	2	3	
3324	Steel investment foundries	72	66	64	58	8	8	12	9	9	13	
3325	Steel foundries, n.e.c.	79	75	65	60	6	7	9	9	10	14	
333	Primary nonferrous metals	88	84	82	76	1	2	2	2	3	3	
3331	Primary copper	92	86	89	83	2	2	2	3	2	3	
3334	Primary aluminum	85	84	85	84	2	3	4	2	3	4	
3339	Primary nonferrous metals, n.e.c.	86	83	65	62	2	3	3	5	5	7	
334	Secondary nonferrous metals	89	88	83	81	2	3	3	3	4	5	
3341	Secondary nonferrous metals	89	88	83	81	2	3	3	3	4	5	
335	Nonferrous rolling and drawing	85	83	73	72	4	2	4	5	5	7	
3351	Copper rolling and drawing	91	86	85	80	2	3	3	2	3	3	
3353	Aluminum sheet, plate, and foil	91	81	86	74	3	2	3	2	2	3	
3354	Aluminum extruded products	84	76	82	75	4	4	5	4	4	6	
3355	Aluminum rolling and drawing, n.e.c.	89	(D)	82	(D)	4	(X)	(X)	8	(X)	(X)	
3356	Nonferrous rolling and drawing, n.e.c.	81	(D)	73	(D)	3	(X)	(X)	4	(X)	(X)	
3357	Nonferrous wire drawing and insulating	82	89	63	69	8	3	8	9	9	13	
336	Nonferrous foundries (castings)	82	80	67	63	2	2	2	3	3	4	
3363	Aluminum die-castings	85	83	72	73	2	2	3	4	4	6	
3364	Nonferrous die-castings, except aluminum	83	79	56	53	2	2	3	7	7	10	
3365	Aluminum foundries	77	75	63	59	3	3	4	6	6	8	
3366	Copper foundries	83	81	60	58	2	3	4	4	3	5	
3369	Nonferrous foundries, n.e.c.	83	83	66	65	4	3	5	2	3	4	
339	Miscellaneous primary metal products	82	81	74	74	4	3	4	4	3	4	
3398	Metal heat treating	83	77	76	72	3	4	5	3	4	5	
3399	Primary metal products, n.e.c.	81	86	72	78	7	3	7	6	3	7	

See footnotes at end of table.

Table 2b. Capacity Utilization Rates by Industry: Fourth Quarters 1994 and 1993—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1994	1993	1994	1993	Full production			National emergency production		
						Level		1993 to 1994 change	Level		1993 to 1994 change
						1994	1993		1994	1993	
34	Fabricated metal products	79	78	61	59	1	1	2	2	2	2
341	Metal cans and shipping containers	87	86	77	76	3	2	3	4	3	5
3411	Metal cans	89	88	84	83	3	3	4	4	3	5
3412	Metal barrels, drums, and pails	75	74	48	49	5	5	7	6	6	8
342	Cutlery, handtools, and hardware	85	83	65	62	2	2	3	3	3	4
3421	Cutlery	90	92	85	87	2	2	2	3	3	4
3423	Hand and edge tools, n.e.c.	81	76	69	64	2	3	4	4	5	6
3425	Saw blades and handsaws	86	84	73	70	2	2	2	5	6	8
3429	Hardware, n.e.c.	86	86	58	57	4	4	5	4	5	6
343	Plumbing and heating, except electric	80	77	54	52	3	3	4	4	4	5
3431	Metal sanitary ware	89	89	84	85	3	3	4	4	4	5
3432	Plumbing fixture fittings and trim	75	74	55	52	5	5	7	7	6	9
3433	Heating equipment, except electric	84	81	47	46	3	3	4	4	4	6
344	Fabricated structural metal products	75	75	55	55	2	2	3	3	3	4
3441	Fabricated structural metal	71	68	50	49	5	5	7	5	5	7
3442	Metal doors, sash, and trim	78	78	62	62	5	3	6	6	5	8
3443	Fabricated plate work (boiler shops)	77	82	63	64	5	3	6	6	5	8
3444	Sheet metal work	76	74	52	53	3	3	4	8	7	11
3446	Architectural metal work	72	73	51	50	5	5	6	4	4	6
3448	Prefabricated metal buildings	79	78	53	54	3	3	4	10	11	15
3449	Miscellaneous metal work	71	69	57	54	4	4	5	5	4	6
345	Screw machine products, bolts, etc.	82	80	59	58	2	2	3	4	4	6
3451	Screw machine products	80	79	53	53	3	4	5	6	6	8
3452	Bolts, nuts, rivets, and washers	84	81	65	64	3	2	3	5	5	7
346	Metal forgings and stampings	80	78	69	66	2	3	3	2	2	3
3462	Iron and steel forgings	73	73	65	65	4	4	5	4	4	6
3463	Nonferrous forgings	79	77	68	67	4	5	6	4	4	5
3465	Automotive stampings	87	88	78	76	2	3	4	3	3	4
3466	Crowns and closures	78	80	71	75	3	4	5	5	5	7
3469	Metal stampings, n.e.c.	73	69	59	55	4	4	6	4	4	6
347	Metal services, n.e.c.	80	77	62	59	6	5	8	5	5	7
3471	Plating and polishing	84	79	60	57	3	3	4	6	5	8
3479	Metal coating and allied services	76	74	65	61	10	9	14	9	8	12
348	Ordnance and accessories, n.e.c.	69	67	51	51	3	2	4	3	2	3
3482	Small arms ammunition	58	52	41	37	1	2	2	2	2	3
3483	Ammunition, except for small arms, n.e.c.	66	61	54	53	8	2	8	9	2	9
3484	Small arms	91	87	71	66	2	2	3	1	2	2
3489	Ordnance and accessories, n.e.c.	67	76	42	47	4	3	5	1	4	4
349	Miscellaneous fabricated metal products	78	78	60	58	3	2	3	4	4	5
3491	Industrial valves	77	82	69	67	7	5	8	5	5	7
3492	Fluid power valves and hose fittings	81	78	52	49	3	3	5	9	8	12
3493	Steel springs, except wire	72	68	71	67	7	4	8	6	4	7
3494	Valves and pipe fittings, n.e.c.	86	85	73	71	2	7	8	3	6	7
3495	Wire springs	84	84	71	72	4	4	5	5	6	7
3496	Miscellaneous fabricated wire products	83	82	62	59	3	3	4	6	6	8
3497	Metal foil and leaf	70	83	64	66	10	6	11	7	5	9
3498	Fabricated pipe and fittings	78	75	59	58	4	5	7	6	7	9
3499	Fabricated metal products, n.e.c.	76	71	51	48	4	5	7	10	8	13
35	Industrial machinery and equipment	79	76	61	59	1	1	2	2	2	2
351	Engines and turbines	85	79	78	64	2	3	4	3	5	6
3511	Turbines and turbine generator sets	85	84	82	60	2	4	4	2	9	9
3519	Internal combustion engines, n.e.c.	86	75	75	67	3	5	6	4	5	6
352	Farm and garden machinery	76	77	68	69	2	2	3	2	2	3
3523	Farm machinery and equipment	78	77	72	72	2	3	3	2	2	3
3524	Lawn and garden equipment	73	78	60	63	2	2	3	4	4	5
353	Construction and related machinery	79	74	61	56	2	2	2	2	2	3
3531	Construction machinery	81	74	69	63	2	1	2	3	1	3
3532	Mining machinery	63	62	44	42	9	9	12	10	9	13
3533	Oil and gas field machinery	77	78	49	47	4	5	6	6	7	9
3534	Elevators and moving stairways	73	72	52	56	6	6	8	10	7	12
3535	Conveyors and conveying equipment	84	78	60	50	5	5	7	5	8	9
3536	Hoists, cranes, and monorails	82	82	66	67	5	6	8	9	9	13
3537	Industrial trucks and tractors	75	73	56	57	4	4	6	4	3	5
354	Metalworking machinery	81	78	62	61	2	2	3	3	3	4
3541	Machine tools, metal cutting types	79	65	64	54	3	4	5	4	5	7
3542	Machine tools, metal forming types	76	77	51	50	4	5	6	8	8	11
3543	Industrial patterns	78	71	63	52	5	5	7	5	6	8
3544	Special dies, tools, jigs, and fixtures	82	85	62	65	4	4	5	5	6	8
3545	Machine tool accessories	82	78	67	67	3	3	5	4	4	5
3546	Power-driven handtools	76	69	61	55	2	4	5	4	4	6
3547	Rolling mill machinery	69	85	49	56	4	3	4	3	5	6
3548	Welding apparatus	86	86	68	67	2	2	3	7	6	9
3549	Metalworking machinery, n.e.c.	79	72	59	57	7	5	8	5	4	7
355	Special industry machinery	79	75	56	52	3	3	4	4	3	5
3552	Textile machinery	73	79	49	49	7	5	9	8	7	10
3553	Woodworking machinery	69	69	42	44	11	6	12	12	8	14
3554	Paper industries machinery	89	82	76	75	2	2	3	4	4	5
3555	Printing trades machinery	87	79	51	45	3	5	5	7	7	10
3556	Food products machinery	80	81	58	55	3	5	5	5	6	8
3559	Special industry machinery, n.e.c.	78	72	56	52	4	5	6	5	5	7

See footnotes at end of table.

Table 2b. Capacity Utilization Rates by Industry: Fourth Quarters 1994 and 1993—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1994	1993	1994	1993	Full production			National emergency production			
						Level		1993 to 1994 change	Level		1993 to 1994 change	
						1994	1993		1994	1993		
35	Industrial machinery and equipment—Con.											
356	General industrial machinery	79	76	60	57	2	2	3	3	3	4	
3561	Pumps and pumping equipment	77	77	72	62	7	6	9	6	6	8	
3562	Ball and roller bearings	91	80	86	78	3	2	3	3	2	4	
3563	Air and gas compressors	82	75	65	59	3	2	3	7	5	9	
3564	Blowers and fans	73	75	55	56	8	9	12	6	7	9	
3565	Packaging machinery	83	84	51	53	3	3	4	7	8	10	
3566	Speed changers, drives, and gears	77	76	65	64	5	5	7	6	7	9	
3567	Industrial furnaces and ovens	68	64	41	38	10	6	11	13	11	17	
3568	Power transmission equipment, n.e.c.	81	78	67	63	4	2	4	4	4	5	
3569	General industrial machinery, n.e.c.	73	72	48	49	6	4	7	5	4	6	
357	Computer and office equipment	77	77	57	56	4	4	6	5	5	7	
3571	Electronic computers	73	73	57	56	7	6	8	7	7	8	
3572	Computer storage devices	86	94	65	63	1	1	1	3	2	3	
3575	Computer terminals	(S)	78	(S)	47	(X)	3	(X)	(X)	7	(X)	
3577	Computer peripheral equipment, n.e.c.	82	77	59	51	4	4	6	8	7	10	
3578	Calculating and accounting equipment	78	74	47	50	3	3	4	2	2	3	
3579	Office machines, n.e.c.	85	88	53	62	3	5	6	8	11	13	
358	Refrigeration and service machinery	79	76	67	62	2	3	4	3	3	4	
3581	Automatic vending machines	80	73	60	55	2	3	3	9	8	12	
3582	Commercial laundry equipment	89	93	74	71	3	2	3	6	5	7	
3585	Refrigeration and heating equipment	79	77	71	67	3	3	4	3	4	5	
3586	Measuring and dispensing pumps	76	73	64	62	1	1	2	2	2	2	
3589	Service industry machinery, n.e.c.	78	72	56	51	4	7	8	5	4	7	
359	Industrial machinery, n.e.c.	77	77	62	62	3	3	5	4	4	6	
3592	Carburetors, pistons, rings, and valves	93	82	89	78	2	3	3	3	2	4	
3593	Fluid power cylinders and actuators	67	64	55	50	4	3	5	4	4	5	
3594	Fluid power pumps and motors	84	79	80	76	2	2	3	2	2	2	
3596	Scales and balances, except laboratory	85	83	53	54	3	3	4	5	4	7	
3599	Industrial machinery, n.e.c.	76	77	60	61	4	4	6	5	5	7	
36	Electronic and other electric equipment	81	79	63	60	2	2	2	2	2	3	
361	Electric distribution equipment	72	70	56	55	3	3	5	4	4	5	
3612	Transformers, except electronic	77	76	65	65	4	4	6	4	4	6	
3613	Switchgear and switchboard apparatus	69	67	51	51	5	4	6	5	5	7	
362	Electrical industrial apparatus	84	80	58	53	3	2	3	3	4	5	
3621	Motors and generators	82	79	59	57	5	4	7	7	7	9	
3624	Carbon and graphite products	89	86	81	80	3	4	4	4	3	5	
3625	Relays and industrial controls	84	79	58	50	2	3	3	4	5	6	
3629	Electrical industrial apparatus, n.e.c.	85	83	44	42	5	6	8	6	4	7	
363	Household appliances	82	84	71	73	1	1	2	1	2	2	
3631	Household cooking equipment	72	72	64	64	2	2	3	3	3	4	
3632	Household refrigerators and freezers	80	82	58	61	2	2	3	2	3	3	
3633	Household laundry equipment	89	(D)	84	(D)	1	(X)	(X)	2	(X)	(X)	
3634	Electric housewares and fans	88	88	70	71	3	2	3	5	6	8	
3635	Household vacuum cleaners	70	75	64	66	4	5	6	3	3	4	
3639	Household appliances, n.e.c.	92	(D)	89	(D)	1	(X)	(X)	2	(X)	(X)	
364	Electric lighting and wiring equipment	81	80	58	58	2	2	2	3	3	4	
3641	Electric lamp bulbs and tubes	85	85	66	65	3	3	4	9	8	13	
3643	Current-carrying wiring devices	83	83	63	63	3	3	4	5	5	7	
3644	Noncurrent-carrying wiring devices	80	79	55	54	4	5	6	9	10	13	
3645	Residential lighting fixtures	74	73	36	34	6	7	9	3	3	4	
3646	Commercial lighting fixtures	80	76	56	61	3	3	4	5	3	6	
3647	Vehicular lighting equipment	81	81	75	75	5	5	7	3	3	4	
3648	Lighting equipment, n.e.c.	78	78	57	58	4	4	5	5	5	6	
365	Household audio and video equipment	85	86	67	64	2	2	3	3	3	4	
3651	Household audio and video equipment	85	86	61	58	3	3	4	4	4	5	
3652	Prerecorded records and tapes	84	86	81	82	2	2	2	3	3	4	
366	Communications equipment	75	74	54	52	4	4	6	6	6	9	
3661	Telephone and telegraph apparatus	79	80	61	61	3	3	4	6	6	8	
3663	Radio and television communications equipment	70	67	50	46	7	7	10	12	11	16	
3669	Communications equipment, n.e.c.	84	81	41	41	3	5	6	5	6	7	
367	Electronic components and accessories	84	81	71	67	3	3	4	4	3	5	
3671	Electron tubes	69	69	64	62	2	2	2	3	3	4	
3672	Printed circuit boards	83	78	68	65	4	5	6	7	7	10	
3674	Semiconductors and related devices	90	87	84	80	6	5	7	8	6	10	
3675	Electronic capacitors	88	85	76	72	3	3	4	5	5	7	
3676	Electronic resistors	60	60	40	39	6	6	8	4	4	6	
3677	Electronic coils and transformers	76	73	60	58	5	5	7	6	7	9	
3678	Electronic connectors	68	62	57	58	5	5	6	5	6	7	
3679	Electronic components, n.e.c.	79	77	58	52	4	4	5	5	5	7	
369	Miscellaneous electrical equipment and supplies	80	76	61	60	4	4	6	5	5	7	
3691	Storage batteries	80	77	78	77	5	5	7	3	3	5	
3692	Primary batteries, dry and wet	86	83	66	66	2	2	2	2	3	3	
3694	Engine electrical equipment	92	91	67	68	2	2	3	11	11	16	
3695	Magnetic and optical recording media	91	89	71	84	1	2	3	6	2	6	
3699	Electrical equipment and supplies, n.e.c.	61	54	41	38	10	9	13	6	6	8	
37	Transportation equipment	73	72	54	53	2	1	2	3	2	3	
371	Motor vehicles and equipment	82	79	61	60	2	2	3	5	4	6	
3711	Motor vehicles and car bodies	82	80	62	59	2	3	3	3	4	5	
3713	Truck and bus bodies	70	66	52	48	5	5	7	6	5	8	
3714	Motor vehicle parts and accessories	84	80	61	62	5	4	6	10	9	13	
3715	Truck trailers	89	81	78	72	2	3	4	3	5	6	
3716	Motor homes	59	59	32	32	5	3	5	5	2	6	

See footnotes at end of table.

Table 2b. Capacity Utilization Rates by Industry: Fourth Quarters 1994 and 1993—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1994	1993	1994	1993	Full production			National emergency production			
						Level		1993 to 1994 change	Level		1993 to 1994 change	
						1994	1993		1994	1993		
37	Transportation equipment—Con.											
372	Aircraft and parts	60	63	44	46	2	2	2	3	3	4	
3721	Aircraft	55	59	44	48	2	1	2	3	3	4	
3724	Aircraft engines and engine parts	66	66	48	47	5	5	6	4	4	6	
3728	Aircraft parts and equipment, n.e.c.	67	70	41	42	3	3	4	6	6	8	
373	Ship and boat building and repairing	67	69	51	50	4	4	6	4	4	5	
3731	Ship building and repairing	67	71	50	50	5	5	7	4	4	6	
3732	Boat building and repairing	66	64	53	53	6	6	9	6	7	9	
374	Railroad equipment	82	82	48	50	2	3	3	4	5	6	
3743	Railroad equipment	82	82	48	50	2	3	3	4	5	6	
375	Motorcycles, bicycles, and parts	88	88	74	73	3	4	4	4	4	6	
3751	Motorcycles, bicycles, and parts	88	88	74	73	3	4	4	4	4	6	
376	Guided missiles, space vehicles, parts	66	62	54	49	6	4	7	8	5	9	
3761	Guided missiles and space vehicles	71	67	57	53	9	5	10	13	7	14	
3764	Space propulsion units and parts	51	45	48	37	5	5	7	5	7	8	
3769	Space vehicle equipment, n.e.c.	65	67	41	45	2	2	3	3	2	4	
379	Miscellaneous transportation equipment	70	71	32	35	3	2	3	4	4	5	
3792	Travel trailers and campers	71	72	25	33	5	1	5	3	4	5	
3795	Tanks and tank components	53	56	31	31	3	2	3	1	1	2	
3799	Transportation equipment, n.e.c.	91	87	42	40	2	3	4	10	12	15	
38	Instruments and related products	71	70	51	50	2	2	2	2	2	2	
381	Search and navigation equipment	56	56	42	42	3	3	4	4	4	5	
3812	Search and navigation equipment	56	56	42	42	3	3	4	4	4	5	
382	Measuring and controlling devices	75	73	49	48	2	2	3	2	2	3	
3821	Laboratory apparatus and furniture	75	76	49	53	4	4	5	5	6	7	
3822	Environmental controls	70	66	42	45	8	9	12	8	7	11	
3823	Process control instruments	68	66	48	47	4	4	6	5	5	6	
3824	Fluid meters and counting devices	92	86	62	62	2	4	4	6	7	9	
3825	Instruments to measure electricity	74	73	50	50	5	6	8	5	4	6	
3826	Analytical instruments	83	81	44	42	3	3	4	5	5	7	
3827	Optical instruments and lenses	79	77	48	52	3	5	6	5	6	8	
3829	Measuring and controlling devices, n.e.c.	76	70	52	46	6	5	8	6	5	8	
384	Medical instruments and supplies	75	75	52	52	2	3	3	3	3	4	
3841	Surgical and medical instruments	65	64	51	52	4	4	6	5	5	7	
3842	Surgical appliances and supplies	87	85	50	49	2	3	3	5	5	7	
3843	Dental equipment and supplies	78	78	50	52	3	3	4	6	6	8	
3844	X-ray apparatus and tubes	81	80	55	59	2	2	3	10	11	14	
3845	Electromedical equipment	78	79	59	59	2	2	3	5	5	7	
385	Ophthalmic goods	84	83	64	65	4	2	4	8	7	10	
3851	Ophthalmic goods	84	83	64	65	4	2	4	8	7	10	
386	Photographic equipment and supplies	92	85	74	67	2	4	4	3	3	4	
3861	Photographic equipment and supplies	92	85	74	67	2	4	4	3	3	4	
387	Watches, clocks, watchcases, and parts	67	61	59	54	11	10	15	8	7	11	
3873	Watches, clocks, watchcases, and parts	67	61	59	54	11	10	15	8	7	11	
39	Miscellaneous manufacturing industries	75	75	53	54	3	3	3	3	3	4	
391	Jewelry, silverware, and plated ware	83	81	53	52	5	5	7	8	8	11	
3911	Jewelry, precious metal	89	86	55	57	4	5	6	12	13	17	
3914	Silverware and plated ware	78	83	48	47	3	2	3	12	11	17	
3915	Jewelers' materials and lapidary work	63	65	48	41	17	14	22	10	6	11	
393	Musical instruments	86	78	42	44	2	4	5	9	9	12	
3931	Musical instruments	86	78	42	44	2	4	5	9	9	12	
394	Toys and sporting goods	72	72	56	57	5	5	7	5	5	7	
3942	Dolls and stuffed toys	56	71	50	63	17	11	20	15	10	18	
3944	Games, toys, and children's vehicles	70	73	51	56	3	3	4	7	6	9	
3949	Sporting and athletic goods, n.e.c.	73	72	60	57	8	8	11	7	6	9	
395	Pens, pencils, office, and art supplies	73	70	53	51	3	3	4	7	7	10	
3951	Pens and mechanical pencils	60	57	32	30	4	4	6	8	8	11	
3952	Lead pencils and art goods	92	90	89	87	2	3	3	2	2	3	
3953	Marking devices	85	86	82	84	5	5	6	5	5	7	
3955	Carbon paper and inked ribbons	64	63	56	59	7	8	11	5	6	7	
396	Costume jewelry and notions	74	75	64	64	8	7	11	7	6	9	
3961	Costume jewelry	70	74	59	61	10	10	14	8	8	11	
3965	Fasteners, buttons, needles, and pins	83	76	77	69	3	6	6	5	5	7	
399	Miscellaneous manufactures	75	75	51	54	4	4	5	5	4	6	
3991	Brooms and brushes	61	59	47	44	10	10	14	8	8	11	
3993	Signs and advertising specialties	77	75	49	51	6	6	8	8	8	11	
3995	Burial caskets	90	90	74	73	2	2	2	6	7	9	
3996	Hard surface floor coverings, n.e.c.	88	85	79	72	3	3	4	2	3	3	
3999	Manufacturing industries, n.e.c.	73	76	46	52	6	6	8	7	5	9	

¹A description of the standard error is given in Appendix B, "Qualifications of the Data" of the report.

Note: Some data are revised to include additional information. See Introduction for a discussion of the revision.

Table 2c. Capacity Utilization Rates by Industry: Fourth Quarters 1992 and 1991

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1992	1991	1992	1991	Full production			National emergency production		
						Level		1991 to 1992 change	Level		1991 to 1992 change
						1992	1991		1992	1991	
	All industries	77	77	62	62	1	1	1	1	1	1
	Durable goods industries	75	75	58	58	1	1	1	1	1	1
	Nondurable goods industries	80	80	66	66	1	1	1	2	2	2
	Advanced processing industries	76	76	60	60	1	1	1	1	1	2
	Primary processing industries	80	79	68	67	1	1	1	1	1	1
20	Food and kindred products	78	78	68	68	1	1	2	1	1	2
201	Meat products	85	84	67	68	2	2	3	3	4	5
2011	Meat packing plants	86	82	62	61	2	3	3	5	6	7
2013	Sausages and other prepared meats	80	80	70	71	3	4	5	5	5	6
2015	Poultry slaughtering and processing	88	89	69	72	4	4	5	6	7	9
202	Dairy products	78	78	64	64	3	2	3	5	4	6
2021	Creamery butter	63	64	62	63	10	10	14	10	9	13
2022	Cheese, natural and processed	83	86	58	59	7	5	8	14	13	18
2023	Dry, condensed, and evaporated dairy products	77	72	65	62	6	5	8	6	5	7
2024	Ice cream and frozen desserts	65	68	50	53	4	4	6	3	3	4
2026	Fluid milk	81	81	73	73	3	3	4	4	4	5
203	Preserved fruits and vegetables	75	76	68	70	3	3	4	3	3	4
2032	Canned specialties	87	87	85	84	2	2	3	2	2	3
2033	Canned fruits and vegetables	70	70	69	69	7	7	10	7	7	9
2034	Dehydrated fruits, vegetables, and soups	80	74	67	64	4	5	7	4	5	6
2035	Pickles, sauces, and salad dressings	64	66	51	52	5	5	7	5	5	7
2037	Frozen fruits and vegetables	70	78	66	75	5	4	6	5	3	6
2038	Frozen specialties, n.e.c.	87	89	76	79	2	2	3	3	2	4
204	Grain mill products	82	83	74	74	3	3	4	3	3	4
2041	Flour and other grain mill products	83	87	82	85	3	3	4	3	3	4
2043	Cereal breakfast foods	85	85	78	78	2	2	3	3	3	4
2044	Rice milling	93	94	91	88	1	1	1	-	1	1
2045	Prepared flour mixes and doughs	74	75	52	52	9	11	14	9	10	13
2046	Wet corn milling	96	96	96	96	1	1	1	1	1	1
2047	Dog and cat food	73	75	70	72	8	9	12	7	8	11
2048	Prepared feeds, n.e.c.	80	82	63	63	4	4	5	5	4	6
205	Bakery products	80	80	76	75	2	2	3	2	2	3
2051	Bread, cake, and related products	82	81	78	76	3	3	4	3	3	4
2052	Cookies and crackers	76	78	73	75	3	2	3	2	3	3
2053	Frozen bakery products, except bread	87	83	66	65	3	2	3	3	2	4
206	Sugar and confectionery products	75	74	68	67	5	4	6	5	4	6
2061	Raw cane sugar	91	95	80	82	3	3	3	7	7	9
2062	Cane sugar refining	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)
2063	Beet sugar	82	94	78	88	10	3	10	9	4	10
2064	Candy and other confectionery products	69	66	64	62	7	6	9	8	6	10
2066	Chocolate and cocoa products	79	77	77	76	2	2	3	2	2	2
2067	Chewing gum	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)
2068	Salted and roasted nuts and seeds	73	75	55	56	3	4	5	8	9	12
207	Fats and oils	85	85	81	83	2	1	2	2	1	2
2074	Cottonseed oil mills	92	93	93	93	2	3	3	2	3	3
2075	Soybean oil mills	92	94	92	93	2	2	2	2	2	2
2076	Vegetable oil mills, n.e.c.	96	89	96	89	2	1	2	2	1	2
2077	Animal and marine fats and oils	86	82	80	79	5	5	7	4	5	6
2079	Edible fats and oils, n.e.c.	78	79	72	78	3	1	3	3	1	3
208	Beverages	75	75	64	64	3	3	4	3	3	4
2082	Malt beverages	84	86	83	85	2	2	3	2	2	3
2083	Malt	97	99	91	99	1	1	1	1	1	1
2084	Vines, brandy, and brandy spirits	83	83	74	75	4	3	4	3	3	4
2085	Distilled and blended liquors	78	77	70	50	2	1	2	4	4	6
2086	Bottled and canned soft drinks	63	65	55	57	5	5	7	5	5	7
2087	Flavoring extracts and syrups, n.e.c.	80	76	60	54	5	5	7	9	7	11
209	Miscellaneous food and kindred products	72	72	62	63	3	3	4	3	3	5
2091	Canned and cured fish and seafoods	80	78	63	67	2	4	5	4	4	5
2092	Fresh or frozen prepared fish	73	66	65	60	8	10	13	7	9	11
2095	Roasted coffee	84	85	73	75	2	2	3	6	7	10
2096	Potato chips and similar snacks	78	81	68	70	5	5	7	6	5	7
2097	Manufactured ice	(S)	(S)	(S)	(S)	(X)	(X)	(X)	(X)	(X)	(X)
2098	Macaroni and spaghetti	90	85	79	74	2	3	3	6	7	9
2099	Food preparations, n.e.c.	69	71	59	61	4	4	5	6	6	8
21	Tobacco products	86	78	76	71	6	5	8	5	4	6
211	Cigarettes	87	78	78	73	7	6	9	5	4	7
2111	Cigarettes	87	78	78	73	7	6	9	5	4	7
212	Cigars	83	82	42	41	3	2	3	4	4	6
2121	Cigars	83	82	42	41	3	2	3	4	4	6
213	Chewing and smoking tobacco	89	88	72	70	1	1	2	4	4	5
2131	Chewing and smoking tobacco	89	88	72	70	1	1	2	4	4	5
214	Tobacco stemming and redrying	77	69	58	51	5	4	6	8	7	11
2141	Tobacco stemming and redrying	77	69	58	51	5	4	6	8	7	11
22	Textile mill products	84	85	77	76	1	1	2	2	2	3
221	Broadwoven fabric mills, cotton	92	89	91	87	2	3	3	2	3	3
2211	Broadwoven fabric mills, cotton	92	89	91	87	2	3	3	2	3	3
222	Broadwoven fabric mills, manmade fiber and silk	92	90	91	88	3	3	4	3	3	4
2221	Broadwoven fabric mills, manmade fiber and silk	92	90	91	88	3	3	4	3	3	4
223	Broadwoven fabric mills, wool	80	85	69	73	5	4	6	6	6	8
2231	Broadwoven fabric mills, wool	80	85	69	73	5	4	6	6	6	8

See footnotes at end of table.

Table 2c. Capacity Utilization Rates by Industry: Fourth Quarters 1992 and 1991—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1992	1991	1992	1991	Full production			National emergency production			
						Level		1991 to 1992 change	Level		1991 to 1992 change	
						1992	1991		1992	1991		
22	Textile mill products—Con.											
224	Narrow fabric mills	93	89	63	60	2	2	3	15	15	21	
2241	Narrow fabric mills	93	89	63	60	2	2	3	15	15	21	
225	Knitting mills	82	85	71	70	2	2	3	4	5	6	
2251	Women's hosiery, except socks	82	85	67	69	1	2	3	4	4	5	
2252	Hosiery, n.e.c.	84	94	77	84	7	2	7	6	3	7	
2253	Knit outerwear mills	88	90	67	64	5	3	5	11	13	17	
2254	Knit underwear mills	95	90	77	67	2	1	2	2	11	11	
2257	Weft knit fabric mills	74	76	72	71	4	5	6	5	5	7	
2258	Lace and warp knit fabric mills	75	81	71	76	6	4	7	5	3	6	
2259	Knitting mills, n.e.c.	79	78	56	56	8	9	12	6	6	8	
226	Textile finishing, except wool	74	76	70	72	6	5	7	5	4	7	
2261	Finishing plants, cotton	66	68	65	67	12	10	16	12	10	15	
2262	Finishing plants, manmade	79	82	74	77	3	3	4	4	4	5	
2269	Finishing plants, n.e.c.	78	78	69	70	6	6	8	7	8	10	
227	Carpets and rugs	82	79	71	69	5	4	6	5	4	6	
2273	Carpets and rugs	82	79	71	69	5	4	6	5	4	6	
228	Yarn and thread mills	86	87	85	85	2	2	3	2	2	3	
2281	Yarn spinning mills	87	87	85	85	3	3	4	3	3	4	
2282	Throwing and winding mills	87	86	85	85	4	4	5	4	4	5	
2284	Thread mills	82	87	81	86	3	3	4	3	3	4	
229	Miscellaneous textile goods	84	84	77	76	2	2	3	3	2	3	
2295	Coated fabrics, not rubberized	76	81	62	65	5	5	7	5	5	7	
2296	Tire cord and fabrics	93	91	87	80	3	2	3	3	3	4	
2297	Nonwoven fabrics	87	86	81	80	2	3	3	3	4	5	
2298	Cordage and twine	80	75	77	72	5	4	6	6	5	8	
2299	Textile goods, n.e.c.	82	83	79	80	5	4	7	6	5	8	
23	Apparel and other textile products	85	86	59	58	2	1	2	3	3	3	
231	Men's and boys' suits and coats	85	86	47	51	4	2	4	7	8	11	
2311	Men's and boys' suits and coats	85	88	47	51	4	2	4	7	8	11	
232	Men's and boys' furnishings	90	88	57	54	2	2	3	5	6	7	
2321	Men's and boys' shirts	92	92	43	40	3	2	3	10	10	14	
2322	Men's and boys' underwear and nightwear	96	93	50	38	1	2	2	8	6	10	
2323	Men's and boys' neckwear	86	87	54	53	4	3	5	7	7	9	
2325	Men's and boys' trousers and slacks	90	86	67	63	3	4	5	5	5	7	
2326	Men's and boys' work clothing	94	91	69	69	2	2	3	7	7	10	
2329	Men's and boys' clothing, n.e.c.	86	85	68	71	4	6	6	6	6	8	
233	Women's and misses' outerwear	85	90	64	64	5	3	5	6	6	8	
2331	Women's, misses', and juniors' blouses and shirts	77	89	52	47	12	5	13	12	11	16	
2335	Women's, misses', and juniors' dresses	82	87	67	73	9	8	12	17	15	22	
2337	Women's, misses', and juniors' suits and coats	92	93	60	62	3	3	4	6	8	10	
2339	Women's, misses', and juniors' outerwear, n.e.c.	92	90	73	74	2	2	3	6	6	8	
234	Women's and children's undergarments	90	91	70	72	2	2	3	5	5	7	
2341	Women's and children's underwear	90	92	63	65	1	1	2	6	6	8	
2342	Brassieres, girdles, and allied garments	88	89	85	87	6	5	7	7	6	9	
235	Hats, caps, and millinery	85	84	55	53	3	3	4	8	8	11	
2353	Hats, caps, and millinery	85	84	55	53	3	3	4	8	8	11	
236	Girls' and children's outerwear	83	82	57	50	4	5	6	7	6	9	
2361	Girls' and children's dresses and blouses	89	94	57	56	3	2	4	11	11	16	
2369	Girls' and children's outerwear, n.e.c.	77	73	56	44	6	7	9	8	7	10	
237	Fur goods	95	94	91	89	5	6	7	7	8	11	
2371	Fur goods	95	94	91	89	5	6	7	7	8	11	
238	Miscellaneous apparel and accessories	80	81	57	55	4	4	6	5	4	6	
2381	Fabric dress and work gloves	86	86	75	82	4	4	5	7	4	8	
2384	Robes and dressing gowns	90	96	44	37	5	4	6	7	4	8	
2385	Waterproof outerwear	93	92	83	88	2	2	3	1	2	2	
2386	Leather and sheep-lined clothing	89	81	37	32	3	5	5	7	4	8	
2387	Apparel belts	68	72	55	57	9	8	12	10	8	12	
2389	Apparel and accessories, n.e.c.	82	79	66	63	6	6	8	9	9	13	
239	Miscellaneous fabricated textile products	78	78	56	56	2	2	3	2	3	3	
2391	Curtains and draperies	81	80	56	56	5	7	8	6	6	8	
2392	Housefurnishings, n.e.c.	80	82	66	66	4	4	6	6	6	8	
2393	Textile bags	73	76	44	45	7	7	10	10	12	15	
2394	Canvas and related products	80	78	52	54	7	6	9	8	8	11	
2395	Pleating and stitching	75	76	52	50	4	4	5	7	8	10	
2396	Automotive and apparel trimmings	81	81	64	62	3	3	4	5	5	7	
2397	Schiffli machine embroideries	81	82	70	72	3	3	5	4	4	5	
2399	Fabricated textile products, n.e.c.	72	69	42	43	4	5	6	4	4	5	
24	Lumber and wood products	80	78	52	52	2	2	3	3	3	4	
241	Logging	91	91	66	70	4	4	6	7	7	9	
2411	Logging	91	91	66	70	4	4	6	7	7	9	
242	Sawmills and planing mills	85	83	53	55	4	4	5	6	6	8	
2421	Sawmills and planing mills, general	87	84	55	57	4	5	6	7	7	10	
2426	Hardwood dimension and flooring mills	78	77	46	44	3	4	5	6	6	8	
2429	Special product sawmills, n.e.c.	59	57	56	49	4	3	5	3	2	3	
243	Millwork, plywood, and structural members	75	73	47	46	3	3	4	5	5	7	
2431	Millwork	68	68	35	35	5	5	7	6	7	9	
2434	Wood kitchen cabinets	81	75	51	48	4	4	6	8	8	11	
2435	Hardwood veneer and plywood	85	86	78	80	2	2	3	2	3	3	
2436	Softwood veneer and plywood	87	89	84	85	4	3	5	4	3	5	
2439	Structural wood members, n.e.c.	65	66	53	51	7	6	9	5	5	7	

See footnotes at end of table.

Table 2c. Capacity Utilization Rates by Industry: Fourth Quarters 1992 and 1991—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1992	1991	1992	1991	Full production		National emergency production			
						Level		1991 to 1992 change	Level		1991 to 1992 change
						1992	1991		1992	1991	
24	Lumber and wood products—Con.										
244	Wood containers	83	85	53	54	3	2	3	4	4	5
2441	Nailed wood boxes and shooks	73	79	40	39	8	4	9	7	6	9
2448	Wood pallets and skids	87	86	72	72	2	3	3	4	4	6
2449	Wood containers, n.e.c.	80	85	30	32	5	6	8	5	5	7
245	Wood buildings and mobile homes	76	69	43	39	4	4	6	5	5	6
2451	Mobile homes	82	71	40	36	4	5	6	6	6	8
2452	Prefabricated wood buildings	68	66	49	47	8	7	10	6	6	8
249	Miscellaneous wood products	74	74	59	59	5	5	7	5	5	7
2491	Wood preserving	70	72	58	58	4	3	5	4	4	6
2493	Reconstituted wood products	87	82	79	75	5	5	7	9	9	12
2499	Wood products, n.e.c.	68	71	51	52	9	8	11	7	8	10
25	Furniture and fixtures	77	76	52	51	2	2	2	2	2	3
251	Household furniture	83	79	54	51	2	3	3	4	3	5
2511	Wood household furniture	85	79	55	49	3	5	5	7	6	9
2512	Upholstered household furniture	88	84	60	59	4	4	5	6	6	8
2514	Metal household furniture	72	71	48	49	6	5	8	5	4	6
2515	Mattresses and bedsprings	84	80	44	43	3	4	5	5	5	6
2517	Wood television and radio cabinets	64	73	44	46	6	8	9	4	5	7
2519	Household furniture, n.e.c.	86	87	79	80	4	4	5	3	3	4
252	Office furniture	71	70	50	48	4	3	5	4	4	5
2521	Wood office furniture	76	78	56	55	3	3	4	5	5	7
2522	Office furniture, except wood	70	68	48	46	5	4	6	5	4	6
253	Public building and related furniture	76	78	65	65	4	4	5	5	5	7
2531	Public building and related furniture	76	78	65	65	4	4	5	5	5	7
254	Partitions and fixtures	69	69	50	51	4	4	6	4	5	6
2541	Wood partitions and fixtures	70	70	48	48	7	7	9	7	7	10
2542	Partitions and fixtures, except wood	68	69	51	53	5	5	7	4	5	6
259	Miscellaneous furniture and fixtures	78	82	50	56	4	3	5	6	6	9
2591	Draper hardware and blinds and shades	79	75	67	65	4	5	6	3	4	5
2599	Furniture and fixtures, n.e.c.	78	87	43	51	6	3	6	8	8	11
26	Paper and allied products	84	86	75	77	2	2	3	2	2	3
261	Pulp mills	91	94	91	94	3	2	3	3	2	3
2611	Pulp mills	91	94	91	94	3	2	3	3	2	3
262	Paper mills	93	95	92	94	2	2	3	2	2	3
2621	Paper mills	93	95	92	94	2	2	3	2	2	3
263	Paperboard mills	96	95	95	95	2	2	3	2	2	3
2631	Paperboard mills	96	95	95	95	2	2	3	2	2	3
265	Paperboard containers and boxes	84	85	63	63	2	2	3	3	3	5
2652	Setup paperboard boxes	86	73	53	42	6	6	8	9	6	10
2653	Corrugated and solid fiber boxes	88	87	65	65	3	3	4	6	6	8
2655	Fiber cans, drums, and similar products	85	84	42	42	4	3	4	5	5	6
2656	Sanitary food containers	75	86	66	68	2	2	3	3	3	4
2657	Folding paperboard boxes	81	86	67	70	4	3	5	5	5	7
267	Miscellaneous converted paper products	75	78	68	70	5	3	6	4	3	5
2671	Paper coated and laminated, packaging	78	80	75	76	3	3	4	3	3	4
2672	Paper coated and laminated, n.e.c.	79	80	73	73	4	4	5	4	5	7
2673	Bags plastics, laminated, and coated	78	78	66	68	5	6	7	6	6	8
2674	Bags uncoated paper and multiwall	77	79	71	74	4	4	5	4	4	6
2675	Die-cut paper and board	63	57	47	44	8	9	12	6	7	9
2676	Sanitary paper products	71	78	67	73	10	7	12	8	6	10
2677	Envelopes	89	88	78	76	3	3	4	3	3	4
2678	Stationery products	79	82	64	61	3	2	4	6	6	8
2679	Converted paper products, n.e.c.	82	84	72	73	3	2	4	4	3	5
27	Printing and publishing	82	82	59	59	2	2	3	4	4	6
271	Newspapers	84	84	59	59	3	3	4	13	12	17
2711	Newspapers	84	84	59	59	3	3	4	13	12	17
272	Periodicals	84	84	43	41	8	8	11	9	8	11
2721	Periodicals	84	84	43	41	8	8	11	9	8	11
273	Books	89	90	73	77	3	3	4	8	8	11
2731	Book publishing	91	92	75	79	4	3	5	10	10	14
2732	Book printing	80	80	67	67	5	5	7	7	7	9
274	Miscellaneous publishing	64	66	49	52	8	8	11	8	8	11
2741	Miscellaneous publishing	64	66	49	52	8	8	11	8	8	11
275	Commercial printing	84	83	67	67	3	3	4	4	4	6
2752	Commercial printing, lithographic	84	84	67	68	3	3	5	5	5	7
2754	Commercial printing, gravure	93	90	89	87	2	2	3	2	2	3
2759	Commercial printing, n.e.c.	82	81	61	59	3	4	5	7	7	10
276	Manifold business forms	79	78	70	70	3	3	4	2	3	4
2761	Manifold business forms	79	78	70	70	3	3	4	2	3	4
277	Greeting cards	79	83	59	61	3	3	4	4	4	5
2771	Greeting cards	79	83	59	61	3	3	4	4	4	5
278	Blankbooks and bookbinding	74	77	42	43	6	5	8	5	5	7
2782	Blankbooks and looseleaf binders	70	75	41	43	8	7	10	7	5	8
2789	Bookbinding and related work	87	82	46	41	4	4	5	9	9	13
279	Printing trade services	81	85	65	67	2	2	3	4	4	5
2791	Typesetting	81	85	70	70	4	4	5	6	7	9
2796	Platemaking services	82	85	62	64	3	3	4	5	5	7

See footnotes at end of table.

Table 2c. Capacity Utilization Rates by Industry: Fourth Quarters 1992 and 1991—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1992	1991	1992	1991	Full production			National emergency production		
						Level		1991 to 1992 change	Level		1991 to 1992 change
						1992	1991		1992	1991	
28	Chemicals and allied products	78	79	66	65	2	2	2	3	4	5
281	Industrial inorganic chemicals	80	77	77	73	4	5	6	4	6	7
2812	Alkalies and chlorine	96	94	96	94	1	1	2	1	1	2
2813	Industrial gases	73	73	66	66	5	6	8	6	6	8
2816	Inorganic pigments	91	87	90	87	2	3	4	2	3	4
2819	Industrial inorganic chemicals, n.e.c.	79	74	75	70	5	7	9	6	8	10
282	Plastics materials and synthetics	86	87	85	86	2	2	2	2	2	3
2821	Plastics materials and resins	88	88	86	86	3	3	4	3	3	4
2822	Synthetic rubber	82	79	79	77	3	4	4	4	4	5
2823	Cellulosic manmade fibers	80	85	79	85	5	3	6	5	3	6
2824	Organic fibers, noncellulosic	86	89	86	89	2	2	3	2	2	3
283	Drugs	76	78	59	57	4	4	5	8	10	13
2833	Medicinals and botanicals	86	84	84	81	3	3	4	3	2	3
2834	Pharmaceutical preparations	74	76	59	58	4	4	6	10	12	16
2835	Diagnostic substances	90	85	41	41	4	6	7	13	12	17
2836	Biological products, except diagnostic	95	88	91	83	1	4	5	3	5	5
284	Soaps, cleaners, and toilet goods	72	72	56	56	2	2	3	3	3	5
2841	Soap and other detergents	74	73	55	54	4	4	6	8	8	11
2842	Polishes and sanitation goods	68	69	50	49	4	4	5	4	4	6
2843	Surface active agents	85	79	83	78	3	3	4	2	3	4
2844	Toilet preparations	70	72	58	60	3	3	4	4	3	5
285	Paints and allied products	75	77	52	51	4	5	6	7	7	10
2851	Paints and allied products	75	77	52	51	4	5	6	7	7	10
286	Industrial organic chemicals	82	86	80	85	3	2	3	3	2	3
2861	Gum and wood chemicals	84	83	83	82	2	2	2	2	2	2
2865	Cyclic crudes and intermediates	89	85	88	83	1	2	2	1	2	2
2869	Industrial organic chemicals, n.e.c.	81	86	79	85	3	2	4	3	3	4
287	Agricultural chemicals	82	72	69	62	4	7	8	4	6	7
2873	Nitrogenous fertilizers	92	91	66	59	4	3	5	16	16	22
2874	Phosphatic fertilizers	94	89	94	89	1	2	2	1	2	2
2875	Fertilizers, mixing only	56	54	45	43	7	8	11	7	8	10
2879	Agricultural chemicals, n.e.c.	80	67	68	60	7	10	11	5	7	9
289	Miscellaneous chemical products	79	79	59	59	2	2	3	4	4	5
2891	Adhesives and sealants	75	76	51	52	4	4	5	8	8	11
2892	Explosives	72	72	63	64	5	4	6	5	4	7
2893	Printing ink	79	77	58	56	3	3	4	6	6	9
2895	Carbon black	88	85	80	78	3	3	4	3	3	4
2899	Chemical preparations, n.e.c.	83	83	62	62	3	3	4	5	5	7
29	Petroleum and coal products	87	84	77	75	2	2	3	3	3	4
291	Petroleum refining	93	91	93	90	2	3	3	2	3	3
2911	Petroleum refining	93	91	93	90	2	3	3	2	3	3
295	Asphalt paving and roofing materials	61	58	37	37	5	6	7	5	6	8
2951	Asphalt paving mixtures and blocks	50	50	25	27	6	7	9	5	6	7
2952	Asphalt felts and coatings	79	71	70	62	5	5	7	7	6	9
299	Miscellaneous petroleum and coal products	73	70	53	49	4	5	6	5	5	7
2992	Lubricating oils and greases	69	66	47	44	5	5	7	5	5	7
2999	Petroleum and coal products, n.e.c.	90	88	89	88	2	3	4	3	3	4
30	Rubber and miscellaneous plastics products	78	76	68	68	2	2	3	3	2	3
301	Tires and inner tubes	94	89	92	87	2	2	3	2	2	3
3011	Tires and inner tubes	94	89	92	87	2	2	3	2	2	3
302	Rubber and plastics footwear	79	83	69	66	3	2	4	2	4	4
3021	Rubber and plastics footwear	79	83	69	66	3	2	4	2	4	4
305	Hose and belting and gaskets and packing	80	80	66	66	2	2	3	3	3	5
3052	Rubber and plastics hose and belting	77	77	66	65	3	3	5	4	4	6
3053	Gaskets, packing, and sealing devices	82	83	65	66	2	2	3	5	5	7
306	Fabricated rubber products, n.e.c.	80	81	70	69	4	3	4	4	4	5
3061	Mechanical rubber goods	74	73	68	65	5	5	7	4	4	6
3069	Fabricated rubber products, n.e.c.	85	86	71	72	5	2	5	6	6	8
308	Miscellaneous plastics products, n.e.c.	76	73	65	66	3	3	4	3	3	4
3081	Unsupported plastics film and sheet	80	83	66	76	3	3	4	8	7	10
3082	Unsupported plastics profile shapes	79	82	66	66	3	3	4	4	4	5
3083	Laminated plastics plate, sheet, and profile shapes	82	77	65	65	3	3	4	8	8	11
3084	Plastics pipe	79	78	74	72	4	4	6	4	4	6
3085	Plastics bottles	85	83	82	81	3	3	4	3	3	4
3086	Plastics foam products	80	78	65	64	3	3	4	5	5	7
3087	Custom compounding of purchased plastics resins	72	74	63	64	3	3	4	3	3	4
3088	Plastics plumbing fixtures	66	70	55	58	3	4	5	3	3	4
3089	Plastics products, n.e.c.	73	68	64	63	5	4	6	5	4	6
31	Leather and leather products	81	80	57	59	2	1	2	3	3	4
311	Leather tanning and finishing	73	75	68	70	5	1	5	5	1	5
3111	Leather tanning and finishing	73	75	68	70	5	1	5	5	1	5
313	Footwear cut stock	88	89	77	84	4	4	6	5	5	7
3131	Footwear cut stock	88	89	77	84	4	4	6	5	5	7
314	Footwear, except rubber	81	80	55	55	2	2	3	4	4	6
3142	House slippers	72	71	48	50	5	5	7	4	4	5
3143	Men's footwear, except athletic	85	84	49	51	2	2	2	6	6	8
3144	Women's footwear, except athletic	87	78	73	62	2	4	4	9	8	12
3149	Footwear, except rubber, n.e.c.	(S)	77	(S)	71	(X)	1	(X)	(X)	1	(X)
315	Leather gloves and mittens	68	68	46	45	10	9	13	12	12	16
3151	Leather gloves and mittens	68	68	46	45	10	9	13	12	12	16

See footnotes at end of table.

Table 2c. Capacity Utilization Rates by Industry: Fourth Quarters 1992 and 1991—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1992	1991	1992	1991	Full production			National emergency production			
						Level		1991 to 1992 change	Level		1991 to 1992 change	
						1992	1991		1992	1991		
31	Leather and leather products—Con.											
316	Luggage	80	77	51	60	2	5	5	10	9	13	
3161	Luggage	80	77	51	60	2	5	5	10	9	13	
317	Handbags and personal leather goods	89	89	56	54	2	2	2	4	4	5	
3171	Women's handbags and purses	96	96	53	50	2	1	2	5	5	7	
3172	Personal leather goods, n.e.c.	79	78	63	63	2	3	3	3	1	3	
319	Leather goods, n.e.c.	85	83	66	63	5	5	6	8	8	11	
3199	Leather goods, n.e.c.	85	83	66	63	5	5	6	8	8	11	
32	Stone, clay, and glass products	77	76	68	67	2	2	3	2	3	3	
321	Flat glass	94	93	91	91	1	1	2	1	1	2	
3211	Flat glass	94	93	91	91	1	1	2	1	1	2	
322	Glass and glassware, pressed or blown	90	84	86	80	2	3	3	3	3	4	
3221	Glass containers	94	85	90	82	2	3	4	3	4	5	
3229	Pressed and blown glass, n.e.c.	86	83	82	78	3	4	5	4	5	6	
323	Products of purchased glass	77	75	73	71	3	4	5	4	4	5	
3231	Products of purchased glass	77	75	73	71	3	4	5	4	4	5	
324	Cement, hydraulic	83	80	83	80	4	6	7	4	6	7	
3241	Cement, hydraulic	83	80	83	80	4	6	7	4	6	7	
325	Structural clay products	78	76	73	70	2	2	3	2	3	3	
3251	Brick and structural clay tile	79	70	75	67	4	4	6	4	4	6	
3253	Ceramic wall and floor tile	87	89	85	86	2	2	3	2	2	3	
3255	Clay refractories	70	74	61	61	3	2	3	4	4	5	
3259	Structural clay products, n.e.c.	77	81	68	72	5	4	7	8	7	10	
326	Pottery and related products	79	76	73	69	2	3	3	3	3	4	
3261	Vitreous plumbing fixtures	82	80	82	80	5	6	8	5	6	8	
3262	Vitreous china table and kitchenware	83	80	77	74	3	2	3	3	1	3	
3263	Semivitreous table and kitchenware	83	82	83	82	7	7	10	7	7	10	
3264	Porcelain electrical supplies	77	68	72	62	2	4	4	3	4	5	
3269	Pottery products, n.e.c.	76	81	62	65	4	4	6	6	6	8	
327	Concrete, gypsum, and plaster products	67	68	57	57	4	5	6	4	5	6	
3271	Concrete block and brick	78	82	65	67	4	4	6	7	8	11	
3272	Concrete products, n.e.c.	65	61	52	47	8	9	12	7	8	11	
3273	Ready-mixed concrete	64	67	55	59	6	8	9	5	7	8	
3274	Lime	83	86	81	84	2	3	4	3	4	5	
3275	Gypsum products	83	82	76	75	3	3	5	5	6	8	
328	Cut stone and stone products	76	79	54	58	3	2	4	6	7	9	
3281	Cut stone and stone products	76	79	54	58	3	2	4	6	7	9	
329	Miscellaneous nonmetallic mineral products	83	81	71	70	2	2	2	3	3	4	
3291	Abrasive products	83	82	71	71	3	3	4	5	6	7	
3292	Asbestos products	84	76	84	76	7	8	10	6	8	10	
3295	Minerals, ground or treated	80	76	71	67	5	6	7	5	6	8	
3296	Mineral wool	91	87	83	83	2	3	3	3	3	4	
3297	Nonclay refractories	75	76	61	62	2	2	3	6	6	9	
3299	Nonmetallic mineral products, n.e.c.	74	73	44	45	3	3	5	11	11	15	
33	Primary metal industries	80	80	72	72	2	1	2	2	2	3	
331	Blast furnace and basic steel products	83	84	79	81	3	3	4	3	2	4	
3312	Blast furnaces and steel mills	84	85	82	84	5	3	5	4	3	5	
3313	Electrometallurgical products	82	80	81	80	5	6	8	5	6	8	
3315	Steel wire and related products	83	84	76	77	3	3	4	4	4	5	
3316	Cold finishing of steel shapes	81	81	75	74	2	2	3	4	3	5	
3317	Steel pipe and tubes	80	79	63	64	3	3	4	4	4	6	
332	Iron and steel foundries	72	70	63	61	3	3	4	3	3	4	
3321	Gray and ductile iron foundries	72	70	63	61	4	5	6	3	4	5	
3322	Malleable iron foundries	76	73	67	65	3	3	4	2	3	3	
3324	Steel investment foundries	72	73	68	70	3	3	4	4	4	6	
3325	Steel foundries, n.e.c.	69	69	57	54	4	5	6	5	6	8	
333	Primary nonferrous metals	93	93	90	91	2	2	2	2	2	3	
3331	Primary copper	96	96	95	95	2	1	2	2	1	2	
3334	Primary aluminum	99	99	99	99	1	1	1	1	1	1	
3339	Primary nonferrous metals, n.e.c.	81	82	75	77	4	4	6	5	6	7	
334	Secondary nonferrous metals	85	83	82	81	3	4	5	3	4	5	
3341	Secondary nonferrous metals	85	83	82	81	3	4	5	3	4	5	
335	Nonferrous rolling and drawing	81	80	73	72	2	2	3	3	4	5	
3351	Copper rolling and drawing	84	86	75	76	3	3	4	5	5	8	
3353	Aluminum sheet, plate, and foil	88	80	82	77	2	3	4	2	3	4	
3354	Aluminum extruded products	76	71	73	68	4	4	5	4	4	5	
3355	Aluminum rolling and drawing, n.e.c.	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)	
3356	Nonferrous rolling and drawing, n.e.c.	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)	
3357	Nonferrous wire drawing and insulating	80	81	70	69	4	3	5	6	8	10	
336	Nonferrous foundries (castings)	72	73	53	55	2	3	4	7	8	11	
3363	Aluminum die-castings	77	75	72	71	3	3	4	3	4	5	
3364	Nonferrous die-castings, except aluminum	74	71	58	59	4	4	6	4	4	5	
3365	Aluminum foundries	71	70	42	39	6	6	8	14	15	20	
3366	Copper foundries	80	74	61	60	9	14	16	13	12	17	
3369	Nonferrous foundries, n.e.c.	(S)	81	(S)	54	(X)	2	(X)	(X)	13	(X)	
339	Miscellaneous primary metal products	66	68	56	60	5	5	7	5	5	7	
3398	Metal heat treating	64	66	57	60	7	6	9	5	5	7	
3399	Primary metal products, n.e.c.	69	71	56	59	8	7	10	10	9	13	

See footnotes at end of table.

Table 2c. Capacity Utilization Rates by Industry: Fourth Quarters 1992 and 1991—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹					
		1992	1991	1992	1991	Full production			National emergency production		
						Level		1991 to 1992 change	Level		1991 to 1992 change
						1992	1991		1992	1991	
34	Fabricated metal products	74	74	58	57	1	1	2	2	2	2
341	Metal cans and shipping containers	82	79	78	74	3	4	5	4	3	5
3411	Metal cans	82	81	82	81	4	4	5	4	4	5
3412	Metal barrels, drums, and pails	84	66	54	43	7	8	10	9	5	10
342	Cutlery, handtools, and hardware	82	80	60	60	2	2	2	5	5	6
3421	Cutlery	93	95	66	71	2	2	3	15	14	21
3423	Hand and edge tools, n.e.c.	77	77	51	51	3	3	4	7	8	11
3425	Saw blades and handsaws	82	84	76	77	2	3	3	3	3	4
3429	Hardware, n.e.c.	82	78	65	61	2	2	3	6	6	8
343	Plumbing and heating, except electric	68	70	55	55	4	3	5	3	3	4
3431	Metal sanitary ware	79	82	67	73	5	5	7	7	6	9
3432	Plumbing fixture fittings and trim	74	73	64	64	5	4	6	5	5	7
3433	Heating equipment, except electric	59	63	44	43	6	5	8	4	4	5
344	Fabricated structural metal products	71	71	52	52	2	2	3	3	3	3
3441	Fabricated structural metal	72	77	55	57	4	5	6	5	5	7
3442	Metal doors, sash, and trim	77	74	50	48	4	5	6	6	6	8
3443	Fabricated plate work (boiler shops)	73	78	65	70	4	3	5	4	3	5
3444	Sheet metal work	63	58	41	41	4	5	6	4	5	6
3446	Architectural metal work	76	76	55	56	5	5	7	5	5	7
3448	Prefabricated metal buildings	80	78	65	63	3	4	5	5	5	7
3449	Miscellaneous metal work	69	72	51	52	4	4	6	5	5	7
345	Screw machine products, bolts, etc.	77	80	56	59	2	2	3	4	4	5
3451	Screw machine products	77	77	50	50	3	3	4	6	6	8
3452	Bolts, nuts, rivets, and washers	77	81	60	66	3	2	3	5	4	6
346	Metal forgings and stampings	76	75	62	61	3	3	4	5	5	6
3462	Iron and steel forgings	60	59	49	48	6	5	8	6	5	8
3463	Nonferrous forgings	73	77	67	67	3	2	3	3	3	4
3465	Automotive stampings	87	84	70	68	2	2	2	8	8	11
3466	Crowns and closures	83	84	76	74	3	3	4	3	4	5
3469	Metal stampings, n.e.c.	71	72	59	57	6	5	7	8	8	11
347	Metal services, n.e.c.	72	73	59	59	4	4	5	4	4	6
3471	Plating and polishing	73	73	57	57	5	6	8	6	6	8
3479	Metal coating and allied services	72	71	63	62	4	4	6	6	6	8
348	Ordnance and accessories, n.e.c.	65	68	47	46	2	2	3	3	4	5
3482	Small arms ammunition	56	64	34	39	4	5	6	4	5	6
3483	Ammunition, except for small arms, n.e.c.	69	75	54	49	4	3	5	7	7	10
3484	Small arms	88	84	53	51	4	2	4	6	7	9
3489	Ordnance and accessories, n.e.c.	56	56	43	44	4	4	5	4	4	6
349	Miscellaneous fabricated metal products	76	75	61	58	2	2	3	2	4	4
3491	Industrial valves	72	76	55	58	3	4	5	5	6	8
3492	Fluid power valves and hose fittings	81	81	71	71	3	3	4	5	6	8
3493	Steel springs, except wire	64	56	54	52	9	10	13	9	8	12
3494	Valves and pipe fittings, n.e.c.	68	72	53	56	4	5	6	5	6	8
3495	Wire springs	81	76	67	61	2	3	4	4	4	6
3496	Miscellaneous fabricated wire products	77	77	67	67	3	3	4	4	4	6
3497	Metal foil and leaf	85	84	78	77	3	3	4	3	2	3
3498	Fabricated pipe and fittings	68	73	58	63	4	4	6	4	4	5
3499	Fabricated metal products, n.e.c.	80	74	60	48	4	6	7	5	10	11
35	Industrial machinery and equipment	74	74	58	57	1	1	2	2	2	2
351	Engines and turbines	83	76	74	67	2	3	4	3	3	4
3511	Turbines and turbine generator sets	90	91	81	82	1	1	1	1	1	1
3519	Internal combustion engines, n.e.c.	79	70	70	61	3	4	5	4	4	5
352	Farm and garden machinery	60	64	51	55	7	7	9	5	5	7
3523	Farm machinery and equipment	58	64	52	59	8	9	12	6	7	9
3524	Lawn and garden equipment	68	63	50	47	6	7	9	7	7	9
353	Construction and related machinery	68	64	52	49	2	2	3	3	3	4
3531	Construction machinery	68	58	48	42	3	3	4	5	4	6
3532	Mining machinery	60	64	47	53	4	4	6	6	7	9
3533	Oil and gas field machinery	72	77	65	71	3	4	5	4	5	6
3534	Elevators and moving stairways	68	69	41	41	6	6	8	4	4	6
3535	Conveyors and conveying equipment	68	65	54	54	7	11	13	5	8	9
3536	Hoists, cranes, and monorails	69	70	60	60	6	5	8	5	5	7
3537	Industrial trucks and tractors	72	72	49	53	4	4	6	6	6	8
354	Metalworking machinery	78	78	62	62	2	2	3	2	2	3
3541	Machine tools, metal cutting types	70	65	58	53	6	6	8	7	7	10
3542	Machine tools, metal forming types	74	63	59	50	5	5	7	6	5	8
3543	Industrial patterns	55	74	49	58	16	7	17	12	6	13
3544	Special dies, tools, jigs, and fixtures	81	83	67	69	4	3	5	4	4	5
3545	Machine tool accessories	76	76	55	54	3	2	3	5	4	6
3546	Power-driven handtools	83	75	67	61	2	3	3	3	3	4
3547	Rolling mill machinery	80	78	66	63	2	3	4	8	9	12
3548	Welding apparatus	84	88	77	79	1	2	2	2	3	3
3549	Metalworking machinery, n.e.c.	75	87	46	56	5	3	5	9	11	14
355	Special industry machinery	80	79	54	55	2	2	3	4	4	5
3552	Textile machinery	72	68	56	51	4	3	5	6	5	7
3553	Woodworking machinery	69	61	47	43	3	3	4	7	6	9
3554	Paper industries machinery	81	84	68	75	5	4	6	6	5	8
3555	Printing trades machinery	73	77	50	60	5	7	8	6	8	9
3556	Food products machinery	79	85	51	53	4	3	5	6	6	8
3559	Special industry machinery, n.e.c.	84	82	55	54	3	3	4	6	6	8

See footnotes at end of table.

Table 2c. Capacity Utilization Rates by Industry: Fourth Quarters 1992 and 1991—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1992	1991	1992	1991	Full production			National emergency production			
						Level		1991 to 1992 change	Level		1991 to 1992 change	
						1992	1991		1992	1991		
35	Industrial machinery and equipment—Con.											
356	General industrial machinery	72	73	56	56	2	2	3	2	2	3	
3561	Pumps and pumping equipment	65	65	46	45	6	6	8	5	5	7	
3562	Ball and roller bearings	82	81	74	73	2	3	3	3	3	4	
3563	Air and gas compressors	66	69	50	54	5	4	6	5	4	6	
3564	Blowers and fans	66	68	53	53	5	4	6	6	6	8	
3565	Packaging machinery	85	85	67	70	3	3	4	4	4	5	
3566	Speed changers, drives, and gears	78	74	72	69	3	2	3	3	2	4	
3567	Industrial furnaces and ovens	74	77	62	63	4	4	5	5	5	6	
3568	Power transmission equipment, n.e.c.	67	69	49	53	7	6	9	8	6	9	
3569	General industrial machinery, n.e.c.	72	74	53	53	4	4	5	6	6	9	
357	Computer and office equipment	77	80	60	57	3	2	4	5	4	6	
3571	Electronic computers	75	82	61	57	5	3	6	7	6	9	
3572	Computer storage devices	88	86	77	72	5	4	6	8	6	10	
3575	Computer terminals	75	80	39	43	5	3	5	6	6	8	
3577	Computer peripheral equipment, n.e.c.	76	69	60	56	4	4	5	8	8	12	
3578	Calculating and accounting equipment	73	70	49	50	4	4	6	5	5	7	
3579	Office machines, n.e.c.	83	79	46	50	4	3	5	10	10	14	
358	Refrigeration and service machinery	76	76	62	60	3	4	5	4	4	5	
3581	Automatic vending machines	76	69	63	61	6	4	7	3	3	4	
3582	Commercial laundry equipment	69	68	58	58	3	2	3	1	1	1	
3585	Refrigeration and heating equipment	76	77	65	63	5	5	7	5	5	6	
3586	Measuring and dispensing pumps	67	56	47	42	4	4	6	5	4	6	
3589	Service industry machinery, n.e.c.	79	77	59	56	3	4	5	7	7	9	
359	Industrial machinery, n.e.c.	72	72	56	56	2	3	3	4	4	5	
3592	Carburetors, pistons, rings, and valves	81	75	68	65	2	3	4	8	7	10	
3593	Fluid power cylinders and actuators	59	61	46	47	8	9	12	5	6	8	
3594	Fluid power pumps and motors	50	49	39	36	5	5	7	4	3	5	
3596	Scales and balances, except laboratory	85	81	54	55	5	6	7	3	3	4	
3599	Industrial machinery, n.e.c.	75	76	58	60	3	3	4	5	5	7	
36	Electronic and other electric equipment	76	76	60	61	1	2	2	2	2	3	
361	Electric distribution equipment	75	72	58	53	3	3	4	5	5	7	
3612	Transformers, except electronic	73	71	61	58	4	4	6	4	4	5	
3613	Switchgear and switchboard apparatus	76	73	56	51	4	3	4	6	7	10	
362	Electrical industrial apparatus	77	77	61	63	3	3	4	5	5	7	
3621	Motors and generators	81	81	75	76	3	3	4	4	4	5	
3624	Carbon and graphite products	82	80	77	76	7	5	9	7	5	9	
3625	Relays and industrial controls	76	75	52	53	6	5	8	8	8	11	
3629	Electrical industrial apparatus, n.e.c.	69	70	55	55	5	4	6	7	7	10	
363	Household appliances	79	75	67	64	3	2	3	3	3	4	
3631	Household cooking equipment	62	63	54	55	8	7	11	8	6	9	
3632	Household refrigerators and freezers	78	77	60	59	3	4	5	6	6	8	
3633	Household laundry equipment	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)	
3634	Electric housewares and fans	86	81	65	63	3	3	3	5	5	7	
3635	Household vacuum cleaners	79	68	75	66	5	5	7	4	4	6	
3639	Household appliances, n.e.c.	(D)	(D)	(D)	(D)	(X)	(X)	(X)	(X)	(X)	(X)	
364	Electric lighting and wiring equipment	77	75	58	59	2	2	3	3	3	4	
3641	Electric lamp bulbs and tubes	82	82	71	73	3	3	4	3	2	4	
3643	Current-carrying wiring devices	76	75	54	54	3	3	4	8	8	11	
3644	Noncurrent-carrying wiring devices	75	77	64	66	3	2	4	3	3	4	
3645	Residential lighting fixtures	59	51	48	45	10	11	15	7	8	10	
3646	Commercial lighting fixtures	74	76	46	49	3	3	4	7	7	9	
3647	Vehicular lighting equipment	83	74	73	66	1	1	1	3	3	4	
3648	Lighting equipment, n.e.c.	82	77	63	60	3	3	4	6	6	8	
365	Household audio and video equipment	74	72	56	53	7	6	9	7	6	9	
3651	Household audio and video equipment	68	67	47	45	9	8	12	7	6	9	
3652	Prerecorded records and tapes	87	82	85	79	2	2	3	2	2	2	
366	Communications equipment	75	74	58	56	3	4	5	6	6	8	
3661	Telephone and telegraph apparatus	77	73	55	51	6	6	8	12	10	15	
3663	Radio and television communications equipment	72	73	62	61	3	4	5	5	6	7	
3669	Communications equipment, n.e.c.	86	83	56	55	3	3	4	5	6	8	
367	Electronic components and accessories	75	79	60	68	2	3	3	4	4	5	
3671	Electron tubes	80	77	61	57	4	5	6	7	8	10	
3672	Printed circuit boards	86	79	72	63	4	3	5	10	10	14	
3674	Semiconductors and related devices	73	82	58	78	3	3	4	6	4	8	
3675	Electronic capacitors	75	78	60	61	5	3	6	8	7	10	
3676	Electronic resistors	76	77	55	58	3	3	5	5	4	7	
3677	Electronic coils and transformers	71	77	57	63	4	4	5	7	6	9	
3678	Electronic connectors	75	78	64	70	4	4	6	8	5	9	
3679	Electronic components, n.e.c.	74	73	59	56	6	7	9	8	8	11	
369	Miscellaneous electrical equipment and supplies	81	80	59	56	2	2	3	4	4	6	
3691	Storage batteries	86	83	71	69	3	3	4	2	2	3	
3692	Primary batteries, dry and wet	88	83	69	59	2	3	4	5	5	6	
3694	Engine electrical equipment	85	80	72	68	3	3	4	5	4	6	
3695	Magnetic and optical recording media	87	87	83	83	3	3	4	3	3	4	
3699	Electrical equipment and supplies, n.e.c.	72	74	41	39	4	3	5	6	6	8	
37	Transportation equipment	72	72	57	56	2	2	3	3	2	3	
371	Motor vehicles and equipment	73	68	55	50	4	4	5	4	3	5	
3711	Motor vehicles and car bodies	71	64	50	44	6	5	8	5	4	6	
3713	Truck and bus bodies	74	71	49	49	4	4	5	8	8	11	
3714	Motor vehicle parts and accessories	76	79	68	67	4	3	5	4	4	5	
3715	Truck trailers	63	55	58	52	5	5	7	4	5	6	
3716	Motor homes	52	49	36	32	3	2	3	1	2	3	

See footnotes at end of table.

Table 2c. Capacity Utilization Rates by Industry: Fourth Quarters 1992 and 1991—Con.

[For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry	Full production		National emergency production		Standard errors ¹						
		1992	1991	1992	1991	Full production			National emergency production			
						Level		1991 to 1992 change	Level		1991 to 1992 change	
						1992	1991		1992	1991		
37	Transportation equipment—Con.											
372	Aircraft and parts	75	79	66	68	2	2	3	2	2	3	
3721	Aircraft	70	74	69	73	3	3	4	3	2	4	
3724	Aircraft engines and engine parts	73	78	58	59	2	4	4	3	3	4	
3728	Aircraft parts and equipment, n.e.c.	88	88	71	71	3	2	3	3	4	5	
373	Ship and boat building and repairing	71	83	51	72	6	2	6	9	2	9	
3731	Ship building and repairing	73	88	52	80	7	3	8	11	2	11	
3732	Boat building and repairing	63	69	49	52	4	3	5	4	5	6	
374	Railroad equipment	67	61	62	56	3	2	4	3	4	4	
3743	Railroad equipment	67	61	62	56	3	2	4	3	4	4	
375	Motorcycles, bicycles, and parts	93	86	80	86	3	5	6	6	5	8	
3751	Motorcycles, bicycles, and parts	93	86	80	86	3	5	6	6	5	8	
376	Guided missiles, space vehicles, parts	65	70	48	52	3	3	4	6	6	8	
3761	Guided missiles and space vehicles	72	75	49	52	5	4	6	8	8	11	
3764	Space propulsion units and parts	45	50	44	49	3	3	4	3	3	4	
3769	Space vehicle equipment, n.e.c.	53	65	46	55	4	3	5	3	3	4	
379	Miscellaneous transportation equipment	72	67	41	45	2	3	4	2	3	4	
3792	Travel trailers and campers	66	59	39	36	6	6	8	6	5	7	
3795	Tanks and tank components	68	61	34	51	3	3	4	1	3	4	
3799	Transportation equipment, n.e.c.	83	83	54	48	1	3	3	4	5	6	
38	Instruments and related products	73	76	54	55	2	2	3	2	3	3	
381	Search and navigation equipment	66	71	49	52	3	5	6	5	6	8	
3812	Search and navigation equipment	66	71	49	52	3	5	6	5	6	8	
382	Measuring and controlling devices	71	73	45	46	2	3	3	3	3	4	
3821	Laboratory apparatus and furniture	78	77	52	52	4	3	5	5	5	7	
3822	Environmental controls	84	83	52	53	3	2	4	5	5	6	
3823	Process control instruments	72	72	43	42	7	7	10	8	8	11	
3824	Fluid meters and counting devices	90	78	72	61	1	3	3	2	3	4	
3825	Instruments to measure electricity	70	73	38	38	5	6	8	4	4	5	
3826	Analytical instruments	69	75	58	64	4	5	6	5	5	7	
3827	Optical instruments and lenses	59	60	51	52	3	3	5	3	3	4	
3829	Measuring and controlling devices, n.e.c.	68	73	40	43	5	5	7	6	6	8	
384	Medical instruments and supplies	76	78	60	60	3	3	4	5	5	7	
3841	Surgical and medical instruments	69	72	51	52	5	5	7	9	9	12	
3842	Surgical appliances and supplies	86	85	70	65	3	4	5	4	7	8	
3843	Dental equipment and supplies	82	80	64	60	4	5	6	5	6	7	
3844	X-ray apparatus and tubes	76	81	70	77	2	2	2	2	1	2	
3845	Electromedical equipment	69	75	56	58	6	5	8	6	6	8	
385	Ophthalmic goods	81	82	72	68	4	4	5	6	6	8	
3851	Ophthalmic goods	81	82	72	68	4	4	5	6	6	8	
386	Photographic equipment and supplies	88	85	74	75	1	1	2	2	2	3	
3861	Photographic equipment and supplies	88	85	74	75	1	1	2	2	2	3	
387	Watches, clocks, watchcases, and parts	69	66	44	40	6	6	9	8	6	10	
3873	Watches, clocks, watchcases, and parts	69	66	44	40	6	6	9	8	6	10	
39	Miscellaneous manufacturing industries	71	68	52	53	3	5	6	3	3	4	
391	Jewelry, silverware, and plated ware	71	69	49	49	6	5	8	4	4	6	
3911	Jewelry, precious metal	68	66	53	53	7	7	10	6	6	8	
3914	Silverware and plated ware	87	88	39	40	2	2	3	8	8	11	
3915	Jewelers' materials and lapidary work	63	65	50	47	4	4	5	4	4	6	
393	Musical instruments	76	79	32	31	5	5	7	4	3	5	
3931	Musical instruments	76	79	32	31	5	5	7	4	3	5	
394	Toys and sporting goods	67	60	58	54	8	11	13	7	9	11	
3942	Dolls and stuffed toys	59	48	43	34	8	11	14	5	3	5	
3944	Games, toys, and children's vehicles	77	79	66	68	3	3	4	5	4	7	
3949	Sporting and athletic goods, n.e.c.	64	54	56	50	11	14	18	9	12	15	
395	Pens, pencils, office, and art supplies	72	72	55	55	5	5	7	5	6	7	
3951	Pens and mechanical pencils	74	75	61	61	4	4	5	4	4	5	
3952	Lead pencils and art goods	92	91	86	84	1	1	1	1	1	1	
3953	Marking devices	52	51	29	30	13	13	18	8	9	12	
3955	Carbon paper and inked ribbons	72	71	63	64	5	5	6	5	4	6	
396	Costume jewelry and notions	81	80	60	64	3	3	4	4	4	6	
3961	Costume jewelry	81	78	53	58	3	4	5	5	5	7	
3965	Fasteners, buttons, needles, and pins	81	83	76	77	4	3	5	5	4	6	
399	Miscellaneous manufactures	73	72	49	55	4	5	6	4	4	5	
3991	Brooms and brushes	75	76	49	49	3	3	4	2	2	3	
3993	Signs and advertising specialties	64	58	55	52	10	9	13	7	7	10	
3995	Burial caskets	80	82	43	43	3	3	4	4	3	5	
3996	Hard surface floor coverings, n.e.c.	83	80	77	73	1	1	2	2	2	2	
3999	Manufacturing industries, n.e.c.	77	81	43	59	4	4	5	6	7	9	

¹A description of the standard error is given in Appendix B, "Qualifications of the Data" of the report.

Note: Some data are revised to include additional information. See Introduction for a discussion of the revision.

Appendix A.
MQ-C1 Report Form and Instructions

The MQ-C1 form and instructions are shown on the following pages.

FORM **MQ-C1**
(12-17-96)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

**SURVEY OF PLANT CAPACITY UTILIZATION
FOURTH QUARTER 1996 (October-December)**

NOTICE – Response to this inquiry **is required by law (title 13, United States Code)**. By section 9 of the same law, your report to the Census Bureau is **confidential**. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report refer to the **CENSUS FILE NUMBER (CFN) (11 digits)**

IMPORTANT

PLEASE READ INSTRUCTIONS AND DEFINITIONS BEFORE COMPLETING FORM

Please correct errors in name, address, and ZIP Code. ENTER street and number if not shown.

Item 1a OPERATIONAL STATUS

Mark (X) ONE box which best describes this establishment at the end of 1996. See instructions for reporting.

- 12 In operation – Complete items 2 through 6.
- 13 Temporarily idle – See instruction sheet – Complete items 2-6.
- 14 Sold or leased to another company – Report new owner or operator in item 1b. See instruction sheet . . .
- 15 Permanently ceased operations – See instruction sheet.

Give date 16

Month	Year

Item 1b NEW OWNER OR OPERATOR

06 Name	07 Employer Identification Number

08 Number and street

09 City

10 State	11 ZIP Code

Item 2 FOURTH QUARTER OPERATIONS

Report actual operations for the following items:

- a. Number of days per week in operation
- b. Number of plant hours per week in operation
- c. Market value of production

Key code	ACTUAL OPERATIONS					
	1996		1995		1994	
21						
22						
	Mil.	Thou.	Mil.	Thou.		Thou.
23						

Item 3 FULL PRODUCTION CAPABILITY

- a. Estimate, for the fourth quarters of 1996 and 1995, the market value of production of this plant when it is operating at full production capability.

Key code	VALUE OF PRODUCTION					
	1996		1995		1994	
	Mil.	Thou.	Mil.	Thou.		Thou.
34						

Assume:

- only machinery and equipment **in place and ready to operate**.
- **normal** downtime.
- the **same product mix** as in the fourth quarter.
- the number of shifts, hours of operation, and overtime pay that can be sustained under normal conditions and a realistic work schedule.
- availability of labor, materials, utilities, etc. **ARE NOT** limiting factors.

See the instruction sheet for examples on estimating this figure.

Item 3 FULL PRODUCTION CAPABILITY 1996 - Continued

b. If your estimate of 1996 fourth quarter value of production at full production capability has changed compared to 1995, check the primary reasons.

35 Building capital expenditures
 36 Machinery capital expenditures – *Include new, replaced, or enhanced machinery*
 37 Building retirements
 38 Machinery retirements
 39 Price changed but product mix is the same
 40 Revised estimation assumption with no change in plant or operations

41 Change in method of operation
 42 Change in product mix or product specifications
 43 Change in material input
 48 Other – *Specify*

49 _____

Item 4 FOURTH QUARTER ACTUAL OPERATIONS VS FULL PRODUCTION CAPABILITY FOR 1996

Compare your figures of actual value of production and value of production at full production capability.

a. If during the fourth quarter of 1996, this plant's **actual** operations were less than **full production capability**, mark (X) primary reasons why:

51 Not most profitable to operate at full production capability
 52 Insufficient supply of materials
 53 Insufficient orders
 54 Insufficient supply of local labor force/skills
 55 Lack of sufficient fuel or electric energy
 56 Equipment limitations
 57 Storage limitations

58 Logistics/transportation constraints
 59 Sufficient inventory of finished goods on hand
 60 Strike or work stoppage
 61 Seasonal operations
 62 Environmental restrictions
 68 Other – *Specify*

69 _____

b. If actual operations in the fourth quarter of 1996 were less than full production capability, how quickly would it be possible to increase to that level, if necessary? Assume sufficient demand for your product.

CHECK THE SHORTEST AMOUNT OF TIME YOU WOULD REQUIRE.

71 Less than 3 months 72 3 to 6 months 73 7 to 12 months 74 More than one year

Item 5 NATIONAL EMERGENCY PRODUCTION

Key code	NATIONAL EMERGENCY PRODUCTION			
	1996		1995	
	Mil.	Thou.	Mil.	Thou.
99				

a. Estimate, for the fourth quarters of 1996 and 1995, the value of production for this plant if it was operating under national emergency conditions.

Assume:

- **full** use of **all** your machinery and equipment, including that requiring reconditioning.
- **plant production as close to 168 hours per week as possible**, including extra shifts.
- **minimal** downtime.
- funding, labor, materials, components, utilities, etc., **are fully available to you and your suppliers.**
- your product mix **is** permitted to change.
- you can sell **all** of your output

See the instruction sheet for additional guidance.

b. If operations in the fourth quarter were **less** than national emergency production, how quickly could you increase to the national emergency production level if given emergency priority by the government?

CHECK THE SHORTEST AMOUNT OF TIME YOU WOULD REQUIRE.

82 Less than 3 months 83 3 to 6 months 84 7 to 12 months 85 More than one year

911 Remarks

Item 6 PERSON TO BE CONTACTED REGARDING THIS REPORT – Print name and telephone number.

Name		Area code	Number
	Telephone →	()	

RETURN COMPLETED FORM TO

**BUREAU OF THE CENSUS
 1201 EAST 10TH STREET
 JEFFERSONVILLE, IN 47132-0001**

MQ-C1-L-I
(12-96)

UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

FROM THE DIRECTOR
BUREAU OF THE CENSUS

The Census Bureau is conducting the 1996 Survey of Plant Capacity in cooperation with the Federal Reserve Board and the Department of Defense. This survey measures changes in the use of production facilities. Private companies and industry analysts use the data for assessing industry trends, market potential, and capacity to produce current and future products. Government analysts use the estimates for developing monetary and fiscal policy, predicting investment demand, and assessing industry's ability to meet increasing demand for goods quickly in a crisis situation.

We have selected your manufacturing plant for the 1996 survey and have enclosed the materials you need to participate. Please report information covering the fourth quarters of 1995 and 1996. **Please read the instructions, complete the form, and return it within 30 days.** Federal law requires your response to this form and requires us to keep your report strictly confidential. Only sworn Census Bureau employees will see your information, and they will use it only for statistical purposes.

We recognize that not all firms keep records of capacity utilization, and capacity may change as products and production methods change. Please utilize your business expertise and judgment to complete this form. Due to the nature of the questions asked, please **enlist the help of plant managers or engineers** and use the "Remarks" section to provide any needed explanations.

Thank you in advance for your cooperation. If you have any questions or would like assistance, please call my staff on 1-301-457-4681. If you need additional forms or an extension in reporting time, please call our processing office on 1-812-288-3331.

Sincerely,

Martha Farnsworth Richie

INSTRUCTIONS AND DEFINITIONS 1996 SURVEY OF PLANT CAPACITY UTILIZATION

AUTHORITY AND CONFIDENTIALITY – Response to this inquiry is required by law (Title 13, U.S. Code). By section 9, of Title 13, U.S. Code, your report to the Census Bureau is confidential. It may be seen only by sworn Census Bureau employees and may be used only for statistical purposes. The data cannot be used for regulation of enforcement. Copies of your report retained in your files are immune from legal process. Response is not required to any information collection form unless it displays a valid approval number from the Office of Management and Budget. This 8-digit number appears in the upper right corner of the form.

PLEASE READ CAREFULLY BEFORE COMPLETING FORM

PUBLIC REPORTING

Public reporting burden for this collection of information is estimated to average 2 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Associate Director for Administration/Comptroller, Attn: Paperwork Reduction Project 0607-0175, Room 3104, FB-3, Bureau of the Census, Washington, DC 20233.

WHO SHOULD REPORT?

This report covers the manufacturing plant named in the address box of the form. If your company operates more than one location, **REPORT ONLY FOR THOSE PLANTS SELECTED FOR THIS SAMPLE SURVEY**. A report form and instruction sheet are enclosed for each plant selected.

Since some of the information necessary to complete this form may not be in your records, **CONSULT THE PLANT MANAGER** on questions regarding full production capability and emergency production (items 3–5).

WHAT TO REPORT?

This survey form primarily asks for 3 levels of operating capability of this plant in the fourth quarters of 1995 and 1996:

- (1) the market value of goods produced;
- (2) the value of products that could have been produced if the plant was operating at full capacity in the fourth quarter; and
- (3) the value of products that could have been produced if required in a national emergency.

The instructions and definitions on this sheet offer more detail and guidance to help you respond.

If 1994 data are NOT printed on the form, you do not need to enter data for that period. Comparable data for 1994 are printed on the form if the plant was selected to participate in the 1994 survey.

WHEN TO REPORT

Complete the survey form and return it in the enclosed return envelope by the date printed on the top of the form. If you have misplaced the return envelope, mail the completed form to:

Bureau of the Census
1201 East 10th Street
Jeffersonville, IN 47132-0001

HOW TO REPORT

Answer all questions on the report form beginning with item 1a. Follow the instructions for each item given on this sheet.

Report market value of production figures in thousands of dollars. For example, if value of production is 1,125,628 dollars, enter the figure as follows:

Mil.	Thou.
1	126

For information concerning the possible use of reporting formats other than the form provided, such as computer diskettes or printouts, contact Mr. Ron Taylor at (301) 457-4701.

NAME AND ADDRESS

Review the name and address of this plant printed in the top right corner of the report form. Line out any errors and make any necessary corrections or additions in the address box.

Item 1a – OPERATIONAL STATUS

Report the status of operations at this plant at the end of 1996 by marking the appropriate box.

In Operation – Complete items 2 through 6.

Idle Plants – Complete items 2 through 6.

- a. If this plant was temporarily idle during the **entire fourth quarter** periods covered by the survey, report actual operations for the various items as zero where appropriate.
- b. If this plant was temporarily idle during **only part of the fourth quarter periods** covered by the survey, report the actual operations for the time the plant was in operation.

For both cases, report full production and emergency production capabilities (items 3 and 5) based on the plant's peak quarterly production during the years 1995 and 1996.

Sold or Leased Plant – If this plant was sold or leased to another company, indicate the month and year this action took place. Then report the new owner or operator in item 1b. Report the primary new owner, if there are more than one.

- a. If you still maintain records for this plant, complete items 2 through 6.
- b. If you are no longer responsible for information about this plant, complete item 6 only and return the form.

Permanently Ceased Operations – Indicate the month and year when operations ceased at this plant. If the plant was in operation at ANY time during the fourth quarters of 1995 or 1996, complete items 2 through 6. Report full production and emergency production capabilities, as if the plant operated the entire quarter.

SPECIAL NOTE:

Seasonal Operations

- a. If this plant is usually temporarily idle during the fourth quarter *due to seasonal factors*, report as instructed for idle plants.
- b. If this plant was not temporarily idle during the fourth quarter, but its operations vary substantially from quarter to quarter, *due to seasonal factors*, complete items 2 through 6, and report full production and national emergency production capabilities based on the plant's peak quarterly production during the years.

For both types of seasonal operations, check "Seasonal Operations" in item 4a if actual operations are less than full production capability.

Item 1b – NEW OWNER OR OPERATOR

If there was a change in operator during the year, report in item 1b any change and give name and address of the primary new owner or operator.

Item 2 – ACTUAL OPERATIONS

Report the actual operations of this plant in the fourth quarters of 1995 and 1996.

Days Per Week in Operation – In reporting days per week in operation, use the most typical pattern during the period.

Plant Hours Per Week – Report the typical number of hours the plant was in production during a single week (out of 168 maximum hours). Do not report the number of person hours worked.

If your plant has departments or assembly lines which operate at varied periods of time, report days per week and plant hours per week for the production department operating the greatest number.

Market Value of Production – Report the value of production based on estimated sales price(s) of what was produced during the fourth quarter, not fourth quarter sales. If production at this plant consists of only interplant transfers, use method (2) below to calculate market value of production.

Three methods – to estimate market value of goods produced during the fourth quarter:

- (1) Estimate the sales price(s) of item(s) produced, then multiply the sales price(s) by the total number of items produced during the fourth quarter.
- (2) Use book figures of actual production costs plus an estimate of markup to cover overhead and profit.
- (3) Use fourth quarter value of shipments f.o.b. (freight on board) from the plant (including the value of interplant transfers within a company, in addition to direct costs of production; but excluding resales and miscellaneous receipts) plus any additions or subtractions to the finished stock of inventories present before the fourth quarter (excluding materials and supplies). [Value of production = value of shipments + value of ending inventory – value of beginning inventory].

Item 3 – FULL PRODUCTION CAPABILITY

Read the definition and assumptions regarding full production capability. Estimate your market value of products that would have been produced if the plant was operating at full capacity in the fourth quarters of 1995 and 1996. Use one of the two methods suggested below or your own computations.

Full Production Capability – The maximum level of production that this establishment could reasonably expect to attain under normal operating conditions. In estimating market value at full production capability, consider the following:

- Assume only the machinery and equipment in place and ready to operate will be utilized. Do not include facilities or equipment that would require extensive reconditioning before they can be made operable.
- Assume normal downtime, maintenance, repair, and cleanup. If full production requires additional shifts or hours of operation, then appropriate downtime should be considered in the estimate.
- Assume number of shifts, hours of plant operations, and overtime pay that can be sustained under normal conditions and a realistic work schedule.
- Assume availability of labor, materials, utilities, etc., are **not** limiting factors.
- Assume a product mix that was typical or representative of your production during the fourth quarter. If your plant is subject to short-run variation assume the product mix of the current period.
- Do not assume increased use of productive facilities outside the plant for services (such as contracting out subassembly work) in excess of the proportion that would be normal during the fourth quarter.

Two Methods to estimate market value of production when operating at full production capability:

- (1) If you have a reliable or accurate estimate of your plant's capacity utilization rate: **Divide** your market value of production at **actual** operations (item 2c) by your current **rate of capacity** utilization (in decimal form). For example, if your value of actual operations for the fourth quarter is \$1,200,000 and your plant is currently at 80% capacity, divide \$1,200,000 by 0.80 for a full production capability of \$1,500,000.

$$\frac{\text{Actual Value of Production}}{\text{Capacity Utilization Rate}} = \text{Market value of production at Full Capacity}$$

- (2) For each product, estimate the number of items that could have been produced if operating at full production, as defined by the assumptions given. Multiply the number of items produced by its sales price (or market value). For example, if you can produce 25,000 items in the fourth quarter, under full production criteria, and the sales price (market value) for each item is \$4.50, then multiply 25,000 times \$4.50 for a full production capability of \$112,500.

$$\text{Number of items produced} \times \text{Sales price (Market Value)} = \text{Market value of production at Full Capacity}$$

If producing **more than one product**, **sum** the market values of production at full production estimated for each product (assuming the same product mix) for a **total** value of full production for the plant.

Enter your estimate for value of full production in item 3a.

Item 3b – Comparing full production capability between fourth quarters of 1995 and 1996

If the value of full production for the fourth quarter of 1996 differs from 1995, check the primary reasons for the change.

Item 4 – ACTUAL OPERATIONS VS. FULL PRODUCTION CAPABILITY

Compare the actual value of production in the fourth quarter of 1996 to the estimated value of full production.

Item 4a – Check reasons why your actual operations were less than the estimated value of full production capability, if appropriate.

Item 4b – Select a time period that would have been reasonable to increase output to full production level.

Item 5 – NATIONAL EMERGENCY PRODUCTION

Read the definition and assumptions regarding national emergency production. Estimate your value of production under national emergency conditions for the fourth quarters of 1995 and 1996. Use your own computations or methods similar to those described for estimating full production capability.

SPECIAL NOTE: Your value of production at national emergency levels should be **greater than or equal to** your value of production at full production capability. If it is less than your full production capability, please review your computations.

National Emergency Production – The maximum level of production that this plant could expect to attain and sustain for one year or more under national emergency conditions.

National emergency conditions are situations, such as a military mobilization or natural disaster, which are likely to create widespread excess demand requiring additional work shifts.

For example, military mobilization may require increased production of food, clothing, building supplies, and conversion of plants to produce alternative products in addition to traditional defense hardware. Devastation from natural disasters, such as hurricanes, floods, earthquakes, or fire, may require increased production of similar goods as well as increased production to compensate for plants damaged or destroyed.

In estimating national emergency production, consider the following:

- Assume full use of all machinery and equipment in place (including machinery and equipment that would require extensive reconditioning before they could be made operable).
- Assume minimal downtime and multi-work shift operations.
- Assume plant production as close to 168 hours per week as possible, including extra shifts (e.g., operating 7 days per week, 24 hours per day less minimal downtime).
- Assume overtime pay, availability of labor, materials, utilities, etc., are fully available to you and your suppliers.
- Assume you can sell all your output.
- Assume your product mix can change.
- Assume increased use of productive facilities outside the plant for services (such as contracting out subassembly work) in excess of the proportion that would be normal during the fourth quarter.

Item 5b – Select a time period that would have been reasonable to increase output to emergency production level, if required.

If you have any questions concerning the definitions or instructions, please contact the Special Studies Branch of the Manufacturing and Construction Division on (301) 457-4681.

Appendix B.

Qualifications of the Data

DEFINITIONS AND CONCEPTS

Although survey respondents were provided detailed instructions for estimating full production capacity and national emergency production capacity (see Appendix A), it is extremely difficult to translate the concept of plant capacity into a working definition which is applicable to all industries and situations. A host of problems are inherent in any attempt to measure capacity. Following are some of the more significant:

1. Telephone conversations with respondents have revealed that there are a variety of methods by which plants can measure their capacity. For example, it is customary for petroleum refineries to use an engineering concept of capacity based on maximum throughput during around-the-clock operations, with allowance made for maintenance or other necessary downtime. Other industries use different methods. They might base capacity on the maximum number of work hours of their labor force, on a past peak performance period, or on any number of other methods.

In order to improve the consistency of reporting across industries, the Bureau of the Census made an attempt to prescribe a standardized method for calculating levels of capacity and capacity utilization. Respondents across industries were asked to report production by the plant for actual, full production, and national emergency levels of production, in terms of market value of production, and given specific assumptions to follow in estimating each level of production (see Appendix A). The capacity utilization rates estimates produced in this report are calculated as a ratio of actual value of production to full production and national emergency values of production.

2. Full production limitations. Respondents were instructed as follows when estimating full production capacity: "Do not consider overtime pay, availability of labor, materials, utilities, etc., to be limiting factors." However, some respondents appear to be unrealistic in reporting their full production operations. For example, some establishments defined full production capacity as continuous operations (7 days a week, 24 hours a day) even though they were currently operating a single shift and admitted they could not expect realistically to operate continuously with their present plant and equipment or within their industry or locality. Census staff members have discussed the most questionable estimates with respondents and adjusted the

reports were appropriate; however, there is a distinct element of subjectivity, and it is apparent that not all plants have defined full production capacity in realistic terms.

3. National emergency production limitations. Some individual plants do not differentiate between their full production capacity and national emergency capacity, while some do. Therefore, for some individual plants, the levels of capacity and capacity utilization rates calculated for full production and national emergency are the same. For these plants, no measurable difference between full production and national emergency capacity levels or capacity utilization can be obtained.

Census staff members have discussed the most questionable estimates with respondents and adjusted the reports where appropriate; however, there is a distinct element of subjectivity, and it is apparent that not all plants have defined national emergency capacity in realistic terms.

4. Year-to-year variations in reported data. There is considerable year-to-year change in reported capacity and capacity utilization for individual plants. Some of this reflects real change in capacity due to additions or retirements of plant and equipment, change in product mix, or change in productivity. Other changes; however, are the result of response variations which are part of the nonsampling errors described in the following section on sampling and nonsampling errors. These variations, which often result from different personnel completing the form, include different judgmental decisions about work patterns and what plant and equipment to include in estimating capacity. At the summary levels, the individual establishment changes (either up or down) have a tendency to cancel each other.

SAMPLING AND NONSAMPLING ERRORS

The survey estimates are subject to both sampling and nonsampling errors. Nonsampling errors include various response and operational errors; errors of collection, reporting, transcription, and bias due to nonresponse, etc. These errors would also occur if a complete canvass were conducted under the same conditions as this survey. Most of the important operational errors were detected and corrected in the course of the review of the data for reasonableness and consistency.

However, because of the definitional and conceptual problems associated with this survey, it is likely that the response errors are greater in magnitude than for other manufacturing surveys in which respondents are asked to report data that are generally kept as a matter of record. Explicit measures of the nonsampling errors are not available. As derived, the estimated standard errors, which are discussed below, include part of the effect of these nonsampling errors. The total error, though, will exceed the standard errors shown and, for particular estimates, may exceed the standard errors by a considerable amount.

The panel selected for this survey was sampled using probabilities proportionate to size whereby each sampling unit was given an independent chance of selection. The particular sample selected was but one of many similar probability samples that could have resulted using this sampling methodology. Probabilities were assigned so that an expected sample size of approximately 17,000 would result, but the independent feature of the sample design does not preclude samples being drawn of a size other than 17,000. Each of the possible samples would yield somewhat different sets of results. The sampling errors—the differences between the estimates obtained from the sample actually selected and the results theoretically obtainable from a comparable complete canvass of the same target universe—are unknown. However, the estimated standard error of the level of the utilization rate and the estimated standard error for the year-to-year change are guides to the potential size of the sampling error.

The estimated standard error of a utilization rate, or of a year-to-year change in a utilization rate, may be used to define a confidence interval about that rate or change such that the complete coverage result will be included within that interval with known probability. As examples:

1. The interval defined by one standard error below the estimate of level or change to one standard error above contains the complete coverage results with approximately 67-percent confidence.
2. The interval defined by two standard errors below and above the estimate of level or change contains the complete coverage result with approximately 95-percent confidence.
3. The interval defined by three standard errors below and above the estimate of level or change contains the complete coverage result with approximately 99-percent confidence.

Thus, an inference that the complete coverage result lies within the indicated intervals would, with the prescribed confidences, be correct. For example, if an estimated utilization rate is shown as 80 percent, with an associated standard error of 3 percent, there is approximately 67-percent confidence that the interval 77 percent to 83 percent includes the complete coverage rate, about 95-percent confidence that the interval 74 percent to 86 percent would include the complete coverage rate, and approximately 99-percent confidence that the interval 71 percent to 89 percent would include the complete coverage rate.

Note that the estimates of the standard errors are derived from the sample and are also subject to sampling error.

Appendix C.

Description of Survey Sample and Estimating Procedure

SURVEY SAMPLE

The estimates presented in this report are derived from a probability sample which initially contained approximately 17,300 manufacturing establishments. The sample was selected from the 1992 Census of Manufactures augmented with birth establishments that were formed from 1993 through 1995. This marked the second time that the 1992 census was used as the basic frame. A new sample was selected at this time because of a decision that the panel be increased from the 10,000 establishments selected in 1994 to about 17,000 establishments. The 1992 census remained the best available frame source for representing the manufacturing universe.

The 1992 Census of Manufactures universe contained about 370,000 establishments. Approximately 237,000 records were mailed a census form while the remainder were imputed based on administrative data obtained from Internal Revenue Service and/or Social Security Administration records. These small administrative record cases were not part of the sampling frame for the Survey of Plant Capacity Utilization. All major manufacturing industry groups are represented in the survey. After updating operations, almost 17,200 of the approximately 17,300 sample cases were mailed. About 14,400 plants, or 84 percent, responded with usable data.

For the sampling operation, probabilities of selection were assigned proportionate to census of manufactures' total value of shipments. Actual probabilities were based upon predetermined reliability constraints established by industry. The manufacturing industries were split into two basic groups. One group was the 188 industries identified by the Department of Defense (DOD) for the 1994 survey as primary industries. The remaining manufacturing industries comprised the second group. For each group five priority categories were defined. The five categories corresponded to levels of improvement desired in the industry relative standard errors obtained in the 1994 survey. These levels of improvement were determined by examining how actual, observed relative standard errors on 1994 industry utilization rates related to the relative standard error constraints that were used to control the sample allocation by industry in 1994. We defined the categories based on a judgement of how much, if at all, the previous constraints should be reduced. The categories ranged from priority category 1 (industries in need of most improvement over their 1994 relative standard errors) to priority category 5 (industries in need of no improvement over their 1994

relative standard errors). Depending on the category, the sample control constraints were lowered in progressively larger amounts from the constraints used in 1994. For the same category, DOD industry constraints were lowered more than non-DOD industry constraints. This was so even for category 5, where the DOD industry constraints were lowered slightly and the non-DOD constraints were not changed. The constraints assigned to these categories were made subject to the overall limitation of the sample size being about 17,300 establishments. When selected, an establishment's sample weight was the inverse of its probability of selection. Probabilities were adjusted prior to sampling if its inverse exceeded 120.

ESTIMATING PROCEDURE

The estimated full production rates shown in this report for the four-digit SIC industries in Table 1 were computed in the following manner:

$$R_j = \frac{\sum_i WT_{ij} VPA_{ij}}{\sum_i WT_{ij} VPF_{ij}}$$

where R_j is the utilization rate for the j th four-digit SIC industry, WT_{ij} is the sampling weight for establishment i in four-digit industry j ; VPA_{ij} is the actual value of production for establishment i in four-digit industry j ; VPF_{ij} is the value of production at the full production level; and the summations are for those establishments reporting value of production at both actual and full production level. (National emergency production rates are computed similarly, by substituting national emergency production (VPE) for VPF in the above formula.) This method does not require the estimation of data for individual nonrespondents. The process assumes that utilization rates for nonrespondents are the same as the average rates for respondents.

The estimated rates for the level of utilization shown in this report for the three- and two-digit SIC industries were computed in the following manner:

$$R_{(K)} = \frac{\sum_j VA_j}{\sum_j \left(\frac{VA_j}{R_j} \right)}$$

where $R_{(K)}$ is the utilization for the K th industry group (K can be three- or two-digit SIC or U.S. total); VA_j is the value

added for the *j*th four-digit industry as published in the most recent ASM or census of manufactures; and VA_j/R_j is the value added for the *j*th four-digit industry adjusted to full production or national emergency production levels of operation.

Value added is defined as the difference between sales values and the cost of merchandise sold without further manufacture, processing, or assembly.

Value added is used when aggregating three- and two-digit SIC industry measures to avoid duplication in figures of production that result when products of some establishments are also input materials for other establishments.

Most users of industrial data consider value added to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas. Therefore, using value added in the methodology to derive utilization rate measures should provide better estimates.

Estimates of the variances on these estimates for utilization rates of four-digit SIC industries were computed as:

$$\sigma^2(R_j) = \sigma^2(A_j/B_j) = \frac{1}{B_j^2} [\sigma^2(A_j) + R_j^2 \sigma^2(B_j) - 2R_j \sigma(A_j B_j)]$$

where $A_j = \sum_i (WT_{ij}) (VPA_{ij})$

$B_j = \sum_i (WT_{ij}) (VPF_{ij})$

$\sigma^2(A_j) = \text{Variance of } A_j = \sum_j (WT_{ij}) (WT_{ij}-1) (VPA_{ij})^2$

$$\sigma^2(B_j) = \text{Variance of } B_j = \sum_j (WT_{ij}) (WT_{ij}-1) (VPF_{ij})^2$$

$$\sigma(A_j B_j) = \text{Covariance of } A_j \text{ and } B_j = \sum_j (WT_{ij})(WT_{ij}-1) (VPA_{ij})(VPF_{ij})$$

Estimates of variances of higher level aggregates $R_{(K)}$ were computed as follows:

$$\sigma^2(R_{(K)}) = \frac{1}{\left[\sum_j \left(\frac{VA_j}{R_j}\right)^2\right]} \left[\sum_j \sigma^2(VA_j) + R_{(K)}^2 \left[\sum_j \left(\frac{VA_j^2}{R_j^4}\right) (\sigma^2(R_j)) \right] - 2R_{(K)} \sum_j \left(\frac{1}{R_j}\right) \sigma^2(VA_j) \right]$$

where $\sigma^2(VA_j)$ is the ASM estimate of variance for value added in industry *j*, and where the summations range over the set of four-digit industries comprising the higher level industry group *K*. When census year value added data are utilized, then the variance terms $\sigma^2(VA_j)$ reduce to zero.

Estimates of the year-to-year change in the utilization rates at all SIC levels is the difference between the 2 yearly rates. We have not directly calculated estimates of the variances of the year-to-year change. For this publication, we assumed no correlation between the yearly rates. This assumption almost certainly results in an overstatement of the actual variances of change. Estimates of the variances of the year-to-year change between 1996 and 1995 were computed as:

$$\sigma_{96-95} = \sqrt{\sigma_{96}^2 + \sigma_{95}^2}$$