### **FEDERAL RESERVE statistical release**



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### G.17 (419)

### INDUSTRIAL PRODUCTION AND CAPACITY UTILIZATION

Industrial production increased 0.4 percent in November after a decline of 0.2 percent in October. The rate of change for industrial production was revised down in October but up in September; the net effect of the revisions from June to October left the level of industrial production in October about the same as was previously

(over)

### INDUSTRIAL PRODUCTION AND CAPACITY UTILIZATION: SUMMARY Seasonally adjusted

			2007=	100						Percent	change		
-	2010						2010						Nov. '09 to
Industrial production	June <sup>r</sup>	July <sup>r</sup>	Aug."	Sept. <sup>r</sup>	Oct. <sup>r</sup>	Nov. <sup>p</sup>	June <sup>r</sup>	July <sup>r</sup>	Aug."	Sept. <sup>r</sup>	Oct."	Nov. <sup>p</sup>	Nov. '10
Total index	92.6	93.4	93.6	93.7	93.5	93.9	.1	.8	.2	.1	2	.4	5.4
Previous estimates	92.6	93.3	93.5	93.4	93.4		.0	.8	.2	2	.0		
Major market groups													
Final Products	94.4	95.5	95.4	95.2	95.4	95.4	.0	1.1	1	2	.2	1	5.2
Consumer goods	94.4	95.6	95.3	94.9	94.7	94.2	.0	1.2	3	5	2	5	2.3
Business equipment	93.7	94.2	94.5	95.0	96.3	97.2	.7	.6	.3	.5	1.4	.9	12.5
Nonindustrial supplies	85.4	85.3	85.5	84.9	84.3	85.0	.2	1	.1	6	8	.9	2.8
Construction	79.6	78.8	79.4	79.0	79.1	79.8	.4	-1.0	.7	5	.1	.9	6.0
Materials	93.6	94.3	94.8	95.4	95.0	95.7	.1	.8	.5	.6	4	.7	6.4
Major industry groups													
Manufacturing (see note below)	90.1	90.7	90.8	90.9	91.2	91.5	2	.7	.1	.1	.3	.3	5.3
Previous estimates	90.0	90.7	90.7	90.8	91.3		3	.7	.0	.1	.5		
Mining	99.8	101.1	103.3	104.4	104.2	104.1	2	1.3	2.2	1.1	2	1	7.7
Utilities	101.6	102.5	101.3	100.0	96.3	98.2	2.5	.9	-1.1	-1.4	-3.7	1.9	2.5
													Capacity

				Perce	ent of cap	acity						growth
Average	1988-	1990-	1994-	2008-								
1972-	89	91	95	09	2009	2010						Nov. '09 to
2009	high	low	high	low	Nov.	June <sup>r</sup>	July <sup>r</sup>	Aug. <sup>r</sup>	Sept. <sup>r</sup>	Oct."	Nov. <sup>p</sup>	Nov. '10
80.6	85.2	78.7	85.1	68.2	71.1	74.2 74.2	74.8 74.8	75.0 74.9	75.1 74.8	74.9 74.8	75.2	3
79.2	85.6	77.2	84.6	65.4	69.0	71.8 71.7	72.3 72.2	72.3 72.2	72.4 72.3	72.6 72.7	72.8	2
87.4	86.4	83.6	88.9	79.6	82.4	85.2	86.3	88.1	89.0	88.8	88.7	.0
86.7	92.9	84.3	93.3	77.6	77.6	81.5	82.1	81.1	80.0	76.9	78.4	1.5
86.5	87.8	84.2	90.0	78.3	81.7	84.6	85.7	87.1	88.4	88.2	88.6	8
81.6	86.6	77.9	87.9	65.7	68.2	72.0	72.2	72.0	71.6	70.9	71.6	6
77.5	83.4	77.3	80.5	67.5	71.1	73.2	73.9	74.0	74.1	74.6	74.3	.9
	1972- 2009 80.6 79.2 87.4 86.7 86.5 81.6	1972- 2009         89 high           80.6         85.2           79.2         85.6           87.4         86.4           86.7         92.9           86.5         87.8           81.6         86.6	1972- 2009         89 high         91 low           80.6         85.2         78.7           79.2         85.6         77.2           87.4         86.4         83.6           86.7         92.9         84.3           86.5         87.8         84.2           81.6         86.6         77.9	1972- 2009         89 high         91 low         95 high           80.6         85.2         78.7         85.1           79.2         85.6         77.2         84.6           87.4         86.4         83.6         88.9           86.7         92.9         84.3         93.3           86.5         87.8         84.2         90.0           81.6         86.6         77.9         87.9	Average 1972- 2009         1988- 89         1990- 91         1994- 95         2008- 09           80.6         85.2         78.7         85.1         68.2           79.2         85.6         77.2         84.6         65.4           87.4         86.4         83.6         88.9         79.6           86.7         92.9         84.3         93.3         77.6           86.5         87.8         84.2         90.0         78.3           81.6         86.6         77.9         87.9         65.7	Average 1972- 2009         1988- kigh         1990- low         1994- 95         2008- 09         2009- 2009           80.6         85.2         78.7         85.1         68.2         71.1           79.2         85.6         77.2         84.6         65.4         69.0           87.4         86.4         83.6         88.9         79.6         82.4           86.7         92.9         84.3         93.3         77.6         77.6           86.5         87.8         84.2         90.0         78.3         81.7           81.6         86.6         77.9         87.9         65.7         68.2	1972- 2009         89 high         91 low         95 high         09 low         2009 Nov.         2010 June <sup>r</sup> 80.6         85.2         78.7         85.1         68.2         71.1         74.2 74.2           79.2         85.6         77.2         84.6         65.4         69.0         71.8 71.7           87.4         86.4         83.6         88.9         79.6         82.4         85.2           86.7         92.9         84.3         93.3         77.6         77.6         81.5           86.5         87.8         84.2         90.0         78.3         81.7         84.6           81.6         86.6         77.9         87.9         65.7         68.2         72.0	Average 1972- 2009         1988- high         1990- 10w         1994- 95         2008- 09         2009         2010           80.6         85.2         78.7         85.1         68.2         71.1         74.2         74.8           79.2         85.6         77.2         84.6         65.4         69.0         71.8         72.3           87.4         86.4         83.6         88.9         79.6         82.4         85.2         86.3           86.5         87.8         84.2         90.0         78.3         81.7         84.6         85.7           81.6         86.6         77.9         87.9         65.7         68.2         72.0         72.2	Average 1972- 20091988- 891990- 911994- 952008- 092009 20092010 JunerJulyrAug.r $80.6$ $85.2$ $78.7$ $85.1$ $68.2$ $71.1$ $74.2$ $74.8$ $75.0$ $79.2$ $85.6$ $77.2$ $84.6$ $65.4$ $69.0$ $71.8$ $72.3$ $72.3$ $87.4$ $86.4$ $83.6$ $88.9$ $79.6$ $82.4$ $85.2$ $86.3$ $88.1$ $86.7$ $92.9$ $84.3$ $93.3$ $77.6$ $77.6$ $81.5$ $82.1$ $81.1$ $86.5$ $87.8$ $84.2$ $90.0$ $78.3$ $81.7$ $84.6$ $85.7$ $87.1$ $81.6$ $86.6$ $77.9$ $87.9$ $65.7$ $68.2$ $72.0$ $72.2$ $72.0$	Average 1972- 20091988- 891990- 911994- 952008- 09 10w2009 Nov.2010 JunerJulyrAug.rSept.r $80.6$ $85.2$ $78.7$ $85.1$ $68.2$ $71.1$ $74.2$ $74.8$ $75.0$ $75.1$ $79.2$ $85.6$ $77.2$ $84.6$ $65.4$ $69.0$ $71.8$ $72.3$ $72.3$ $72.4$ $79.2$ $85.6$ $77.2$ $84.6$ $65.4$ $69.0$ $71.8$ $72.3$ $72.3$ $72.4$ $79.2$ $85.6$ $77.2$ $84.6$ $85.4$ $85.2$ $86.3$ $88.1$ $89.0$ $86.7$ $92.9$ $84.3$ $93.3$ $77.6$ $77.6$ $81.5$ $82.1$ $81.1$ $80.0$ $86.5$ $87.8$ $84.2$ $90.0$ $78.3$ $81.7$ $84.6$ $85.7$ $87.1$ $88.4$ $81.6$ $86.6$ $77.9$ $87.9$ $65.7$ $68.2$ $72.0$ $72.2$ $72.0$ $71.6$	Average 1972- 20091988- 891990- 911994- 952008- 09 10w2009 Nov.2010 June'July'Aug.'Sept.'Oct.' $80.6$ $85.2$ $78.7$ $85.1$ $68.2$ $71.1$ $74.2$ $74.8$ $75.0$ $75.1$ $74.9$ $79.2$ $85.6$ $77.2$ $84.6$ $65.4$ $69.0$ $71.8$ $72.3$ $72.3$ $72.4$ $72.6$ $79.2$ $85.6$ $77.2$ $84.6$ $65.4$ $69.0$ $71.8$ $72.3$ $72.3$ $72.4$ $72.6$ $79.4$ $86.4$ $83.6$ $88.9$ $79.6$ $82.4$ $85.2$ $86.3$ $88.1$ $89.0$ $88.8$ $86.7$ $92.9$ $84.3$ $93.3$ $77.6$ $77.6$ $81.5$ $82.1$ $81.1$ $80.0$ $76.9$ $86.5$ $87.8$ $84.2$ $90.0$ $78.3$ $81.7$ $84.6$ $85.7$ $87.1$ $88.4$ $88.2$ $81.6$ $86.6$ $77.9$ $87.9$ $65.7$ $68.2$ $72.0$ $72.2$ $72.0$ $71.6$ $70.9$	Average 1972- 20091988- 891990- 911994- 952008- 09 092009 20092010 2010 June'July'Aug.'Sept.'Oct.'Nov.' $80.6$ $85.2$ $78.7$ $85.1$ $68.2$ $71.1$ $74.2$ $74.8$ $75.0$ $75.1$ $74.9$ $75.2$ $80.6$ $85.2$ $78.7$ $85.1$ $68.2$ $71.1$ $74.2$ $74.8$ $75.0$ $75.1$ $74.9$ $75.2$ $79.2$ $85.6$ $77.2$ $84.6$ $65.4$ $69.0$ $71.8$ $72.3$ $72.3$ $72.4$ $72.6$ $72.8$ $87.4$ $86.4$ $83.6$ $88.9$ $79.6$ $82.4$ $85.2$ $86.3$ $88.1$ $89.0$ $88.8$ $88.7$ $86.7$ $92.9$ $84.3$ $93.3$ $77.6$ $77.6$ $81.5$ $82.1$ $81.1$ $80.0$ $76.9$ $78.4$ $86.5$ $87.8$ $84.2$ $90.0$ $78.3$ $81.7$ $84.6$ $85.7$ $87.1$ $88.4$ $88.2$ $88.6$ $81.6$ $86.6$ $77.9$ $87.9$ $65.7$ $68.2$ $72.0$ $72.2$ $72.0$ $71.6$ $70.9$ $71.6$

r Revised. p Preliminary.

Note. The statistics in this release cover output, capacity, and capacity utilization in the U.S. industrial sector, which is defined by the Federal Reserve to comprise manufacturing, mining, and electric and gas utilities. Mining is defined as all industries in sector 21 of the North American Industry Classification System (NAICS); electric and gas utilities are those in NAICS sectors 2211 and 2212. Manufacturing comprises NAICS manufacturing industries (sector 31) plus the logging industry and the newspaper, periodical, book, and directory publishing industries. Logging and publishing are classified elsewhere in NAICS (under agriculture and information respectively), but historically they were considered to be manufacturing and were included in the industrial sector under the Standard Industrial Classification (SIC) system. In December 2002 the Federal Reserve reclassified all its industrial output data from the SIC system to NAICS. reported. In the manufacturing sector, output advanced 0.3 percent in November with gains in both durables and nondurables. The gains among durable goods industries were particularly broad-based; only the production of motor vehicles and parts decreased substantially. Excluding motor vehicles and parts, overall factory output advanced 0.7 percent. The output of mines edged lower, but the output of utilities moved up 1.9 percent as the return of more seasonal temperatures boosted the demand for heating. At 93.9 percent of its 2007 average, total industrial production in November was 5.4 percent above its level a year earlier. The capacity utilization rate for total industry rose to 75.2 percent, a rate 5.4 percentage points below its average from 1972 to 2009.

### Market Groups

The production of consumer goods fell 0.5 percent in November. The output of consumer durable goods moved down 2.3 percent in large part because of a drop of 6.0 percent in the production of automotive products. Production advanced for all of the other major durable goods categories: home electronics; appliances, furniture, and carpeting; and miscellaneous consumer durables. The output of nondurable consumer goods was unchanged in November following declines in the two previous months. Among non-energy nondurable goods, the indexes for foods and tobacco, for clothing, and for chemical products all posted declines, but the output of paper products moved up 0.3 percent. The production of consumer energy products rose 1.9 percent as a result of both higher sales to residences by utilities and an increase in gasoline refining.

The output of business equipment rose 0.9 percent in November and was 12.5 percent above its level a year earlier. The indexes for industrial and other equipment and for information processing equipment both rose about  $1\frac{1}{4}$  percent. The production of transit equipment fell 0.6 percent, which more than reversed its October increase.

In November, the index for defense and space equipment moved up 1.5 percent—its second consecutive monthly increase.

The production indexes for construction supplies and business supplies both rose 0.9 percent in November. Over the 12 months ending in November, the output of construction supplies has moved up 6.0 percent, while the output of business supplies has increased 1.4 percent.

The production of materials increased 0.7 percent in November, which more than reversed the October decline. The output of durable materials advanced 0.9 percent, as a decline in the output of consumer parts was more than offset by gains in the production of equipment parts and other durable materials. The output of non-energy nondurable materials also rose 0.9 percent. Within this market group, the indexes for chemicals and paper advanced following declines in the previous month. However, the production of textile materials recorded its fourth consecutive monthly decline. The production of energy materials moved higher with the gains in utilities and in support activities for oil and gas operations more than offsetting a decline in crude oil extraction.

### **Industry Groups**

Manufacturing production increased 0.3 percent in November. The factory operating rate moved up to 72.8 percent, its highest level in more than two years but still well below its long-run (1972 to 2009) average of 79.2 percent. The output of durable goods rose 0.4 percent, and with the exceptions of nonmetallic mineral products and motor vehicles and parts, output advanced in all of the major industries. Gains of 1 percent or more were reported in wood products, primary metals, fabricated metal products, machinery, computer and electronic products, and miscellaneous manufacturing. The production of nondurable goods rose 0.2 percent. Increases of 1 percent or more occurred in paper, printing and support, and plastics and rubber products. The indexes for petroleum and coal products and for chemicals both advanced around 0.5 percent. However, the production of

food, beverage, and tobacco products declined and more than retraced the previous month's increase. The output indexes for textile and product mills and for apparel and leather both moved lower.

In November, the index for other manufacturing (non-NAICS), which consists of publishing and logging, fell 0.7 percent and was more than 7 percent below its year-earlier level. The output of mines edged down 0.1 percent in November, and the capacity utilization rate for mining moved down to 88.7 percent, a level 1.3 percentage points above its average from 1972 to 2009. The output of utilities rose 1.9 percent, as the output of both electric utilities and natural gas utilities increased. The operating rate for utilities rose, to 78.4 percent, but remained below its readings during the summer.

In November, capacity utilization rates at industries grouped by stage of process were as follows: For the crude stage, the operating rate increased 0.4 percentage point, to 88.6 percent, a rate that was 2.1 percentage points above its average from 1972 to 2009. For the primary and semifinished stages, utilization moved up 0.7 percentage point, to 71.6 percent, a rate 10.0 percentage points below its long-run average; and for the finished stage, utilization declined 0.3 percentage point, to 74.3 percent, a rate 3.2 percentage points below its long-run average.

### Tables

- 1. Industrial Production: Market and Industry Group Summary; percent change
- 2. Industrial Production: Special Aggregates and Selected Detail; percent change
- 3. Motor Vehicle Assemblies
- 4. Industrial Production: Market and Industry Group Summary; indexes
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- 11. Historical Statistics: Total Industry
- 12. Historical Statistics: Manufacturing
- 13. Historical Statistics: Total Industry Excluding Selected High-Technology Industries
- 14. Historical Statistics: Manufacturing Excluding Selected High-Technology Industries

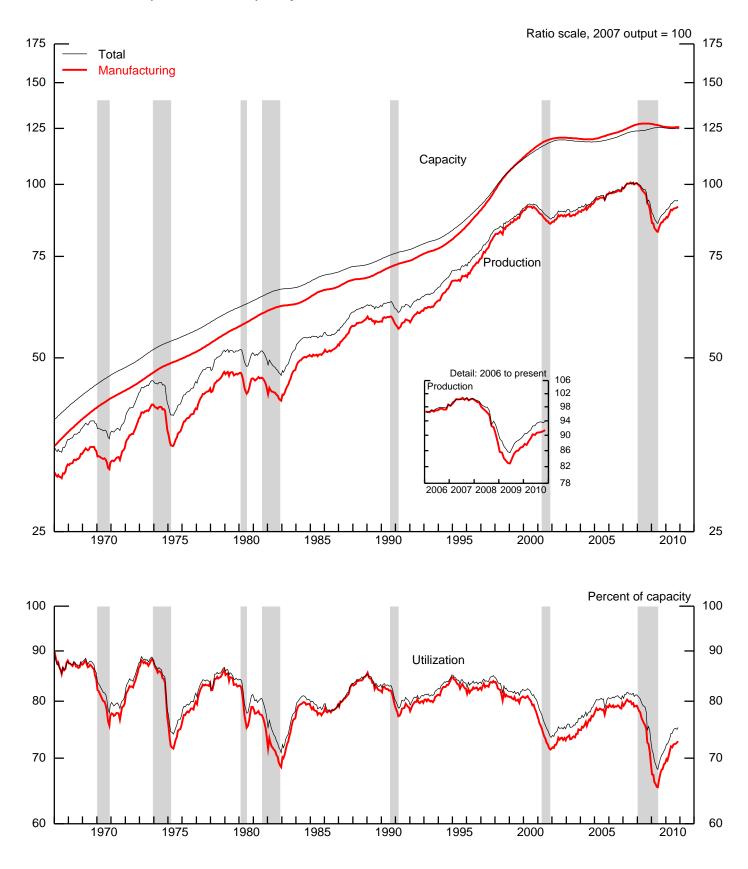
Further detail is available on the Board's website (www.federalreserve.gov/releases/G17/).

### **Revision of Industrial Production and Capacity Utilization**

The Federal Reserve Board plans to issue its annual revision to the index of industrial production (IP) and the related measures of capacity utilization in late March 2011. The revised IP indexes will incorporate detailed data from the 2009 Annual Survey of Manufactures, conducted by the U.S. Census Bureau. Data from selected editions of the Census Bureau's 2009 Current Industrial Reports and annual data from the U.S. Geological Survey regarding metallic and nonmetallic minerals (except fuels) for 2009 will also be incorporated. The update will include revisions to the monthly indicator (either product data or input data) and to seasonal factors for each industry. In addition, the estimation methods for some series may be changed. Any modifications to the methods for estimating the output of an industry will affect the index from 1972 to the present.

Capacity and capacity utilization will be revised to incorporate additional data from the Census Bureau's Quarterly Survey of Plant Capacity, which covers manufacturing, along with new data on capacity from the U.S. Geological Survey, the Department of Energy, and other organizations.

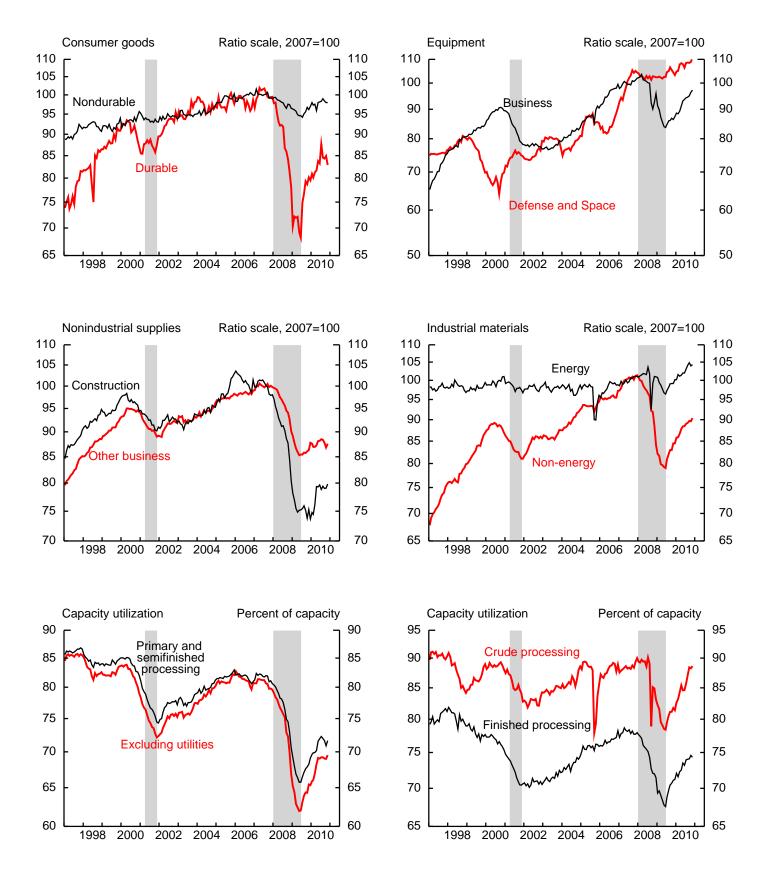
Once the revision is published, it will be available on the Board's website at www.federalreserve.gov/releases/G17. Further information on the revision can be obtained from the Board's Industrial Output Section (telephone number 202-452-3197).



1. Industrial production, capacity, and utilization

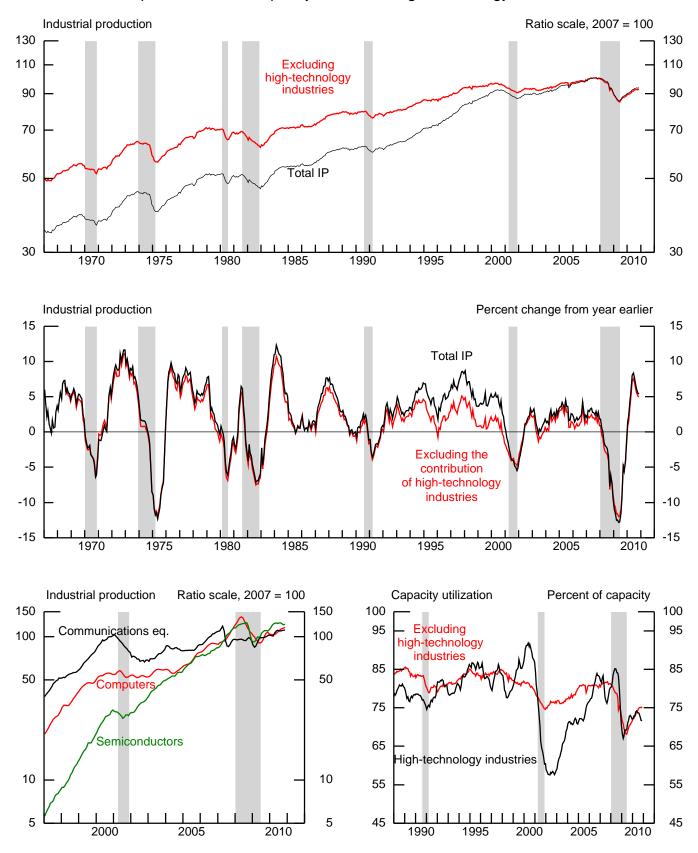
Note: The shaded areas are periods of business recession as defined by the National Bureau of Economic Research (NBER).

### 2. Industrial production and capacity utilization



Note: The shaded areas are periods of business recession as defined by the National Bureau of Economic Research (NBER).

### 3. Industrial production and capacity utilization, high-technology industries



Notes: High-technology industries are defined as semiconductors and related electronic components (NAICS 334412-9), computers (NAICS 3341), and communications equipment (NAICS 3342). The shaded areas are periods of business recession as defined by the NBER.

#### Table 1 INDUSTRIAL PRODUCTION: MARKET AND INDUSTRY GROUP SUMMARY

Item Total IP MARKET GROUPS Final products and nonindustrial supplies Consumer goods Durable Automotive products Home electronics Appliances, furniture, carpeting Miscellaneous goods Non-energy Foods and tobacco Clothing Chemical products Paper products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy Durable	5	2009 proportion <sup>1</sup> 100.00 56.32 29.00 5.97 2.72 .34 .96 1.95 23.04 18.14 9.55 .28 5.90 1.84 4.89 9.76 1.82 2.92 5.02 2.20 4.49 10.39	2007 2.3 .9 3 2.5 7.2 18.8 -4.4 -3.8 -1.2 -2.4 3 -24.3 -1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7 1.3	2008 -7.6 -7.2 -6.1 -18.3 -24.1 -3.4 -18.8 -11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9 -14.2	2009 -3.8 -4.2 -9 -2.1 6.0 2.4 -10.5 -9.9 5 -13.6 .1 -5.2 9 -6.4 11.1 9 -14.3 1.8	2010 Q1 7.1 5.7 4.7 6.6 14.5 -36.3 2.9 5.9 4.2 2.0 5.9 5.9 4.2 2.0 5.9 5.9 4.2 2.0 5.9 5.9 5.9 4.2 2.0 5.9 5.9 4.2 2.0 5.9 5.9 5.9 5.9 4.2 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9	Q2 <sup>r</sup> 7.2 6.9 1.3 10.9 4.8 10.0 13.5 20.3 -1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9 22.2	Q3 <sup>r</sup> 5.9 5.3 6.9 13.1 26.9 25.6 -8.3 2.0 5.2 .9 5.9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	2010 June <sup>r</sup> .1 .0 6 6 6 1.3 8 7 2 9 8 7 9 14 4.1 .7 .1 .5	July <sup>r</sup> .8 1.2 5.2 9.4 3.3 .5 1.1 .2 4 0 -2.3 9 9 2.0 .6 2.4 1.7	Aug. <sup>r</sup> .2 .0 3 -3.5 -5.8 -1.8 -1.1 .7 1.1 1.5 3.8 .9 4 7 .3 .1 .4	Sept. <sup>r</sup> .1 .1 .3 5 2 .0 0 1.2 1.2 5 5 5 5 1.1 .0 .0 2.8 .0 5 2.1 .5 1.1 .5 .5 2.1 .0 .0 .0 .0 .5 .5 2 .2 .0 .0 .0 .5 .5 2 .1 .1 .2 .5 .5 2 .2 .0 .0 .0 .1 .2 5 5 5 2 2 .0 .0 .0 .1 .2 5 5 5 5 5 5 5 5 5 5	Oct. <sup>r</sup> 2 .0 2 .7 1.1 .5 .5 .5 .1 4 .6 7 7 2.4 .4 2 -4.0 1.4 .4 .4 1.1	Nov. <sup>p</sup> .4 .2 5 -2.3 -6.0 9 1.4 1.3 .0 9 1.4 1.3 .0 9 1.4 1.3 .0 .5 8 3 4 .3 1.9 .9 6 1.3	to Nov. '10 5.4 4.6 2.3 3.4 2.4 -2.7 .9 7.3 1.9 1.4 5.5 7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
MARKET GROUPS Final products and nonindustrial supplies Consumer goods Durable Automotive products Home electronics Appliances, furniture, carpeting Miscellaneous goods Nondurable Non-energy Foods and tobacco Clothing Chemical products Paper products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy	5	100.00 56.32 29.00 5.97 2.72 .34 .96 1.95 23.04 18.14 9.55 .28 5.90 1.84 4.89 9.76 1.82 2.92 5.02 2.20 4.49 10.39	2.3 .9 -3 2.5 7.2 18.8 -4.4 -3.8 -1.2 -2.4 -2.3 -24.3 -1.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-7.6 -7.2 -6.1 -18.3 -24.1 -3.4 -18.8 -11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	-3.8 -4.2 9 -2.1 6.0 2.4 -10.5 9 9 5 4 .5 -13.6 .1 -5.2 9 6.4 11.1 9 -14.3	7.1 5.7 4.7 6.6 14.5 -36.3 2.9 5.9 4.2 2.0 5.1 29.9 -2 -8.4 12.9 9.0 -10.9 12.4 15.0	7.2 6.9 1.3 10.9 4.8 10.0 13.5 20.3 -1.2 2.1 8.3 -6.2 -2.8 -12.3 18.7 3.9 21.9	5.9 5.3 6.9 13.1 26.9 25.6 -8.3 2.0 5.2 .9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	.1 .0 6 1.3 8 7 .2 9 8 7 9 -1.4 4.1 .7 .1 .5	.8 .8 1.2 5.2 9.4 3.3 5 1.1 .2 4 .0 -2.3 9 9 2.0 .6 2.4 1.7	.2 .0 3 -3.5 -5.8 .8 -1.8 -1.1 .7 1.1 1.5 3.8 .9 4 7 .3 .1 .4	.1 .3 .5 .2 .0 1.2 .1.2 .1.2 .5 .5 .1 .0 .2.8 .0 .2.8 .0 .2.8 .0 .2 .5 .1 .0 .5 .1 .2 .5 .5 .1 .2 .5 .2 .5 .2 .5 .2 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	2 .0 2 .7 1.1 .5 .5 .1 4 .6 .7 2.4 .4 .4 2 -4.0 1.4 .4 1.1	.4 .2 5 -2.3 -6.0 .9 1.4 1.3 .0 5 8 8 4 .3 1.9 .9 6 1.3	5.4 4.6 2.3 3.4 2.4 -2.7 9 7.3 1.9 1.4 5.5 7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
Final products and nonindustrial supplies Consumer goods Durable Automotive products Home electronics Appliances, furniture, carpeting Miscellaneous goods Nondurable Non-energy Foods and tobacco Clothing Chemical products Paper products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Business supplies Materials Non-energy	5	$\begin{array}{c} 29.00\\ 5.97\\ 2.72\\ .34\\ .96\\ 1.95\\ 23.04\\ 18.14\\ 9.55\\ .28\\ 5.90\\ 1.84\\ 4.89\\ 9.76\\ 1.82\\ 2.92\\ 5.02\\ 2.20\\ 4.49\\ 10.39\\ \end{array}$	3 2.5 7.2 18.8 -4.4 -3.8 -1.2 -2.4 -2.3 -24.3 -1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-6.1 -18.3 -24.1 -3.4 -18.8 -11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 -1.6 -8.3 -27.1 .7 -6.4 -1.9	9 -2.1 6.0 2.4 -10.5 -9.9 5 4 .5 -13.6 .1 -5.2 9 -6.4 11.1 -9 -14.3	4.7 6.6 14.5 -36.3 2.9 5.9 4.2 2.0 5.1 29.9 -2 -8.4 12.9 9.0 -10.9 12.4 15.0	1.3 10.9 4.8 10.0 13.5 20.3 -1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	6.9 13.1 26.9 25.6 -8.3 2.0 5.2 .9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	.0 6 1.3 8 7 .2 9 8 7 9 -1.4 4.1 .7 .1 .5	$\begin{array}{c} 1.2 \\ 5.2 \\ 9.4 \\ 3.3 \\ .5 \\ 1.1 \\ .2 \\4 \\ .0 \\ -2.3 \\9 \\ 2.0 \\ .6 \\ 2.4 \\ 1.7 \end{array}$	3 -3.5 -5.8 -1.8 -1.1 1.1 1.5 3.8 .9 4 7 .3 .1 .4	5 2 .0 1.2 -1.2 5 5 1 .0 -2.8 .0 5 -2.1 .5 .1 .2	2 .7 1.1 .5 .5 .1 .4 .6 .7 2.4 .4 .2 .40 1.4 .4 1.1	5 -2.3 -6.0 .9 .4 1.3 .0 -5 8 8 3 4 .3 1.9 .9 6 1.3	$\begin{array}{c} 2.3\\ 3.4\\ 2.4\\ -2.7\\ 9\\ 7.3\\ 1.9\\ 1.4\\ 5.5\\ 7.5\\ -2.9\\ -5.5\\ 4.0\\ 12.5\\ 2.1\\ 14.1\\ \end{array}$
Consumer goods Durable Automotive products Home electronics Appliances, furniture, carpeting Miscellaneous goods Nondurable Non-energy Foods and tobacco Clothing Chemical products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Business supplies Materials Non-energy	5	$\begin{array}{c} 29.00\\ 5.97\\ 2.72\\ .34\\ .96\\ 1.95\\ 23.04\\ 18.14\\ 9.55\\ .28\\ 5.90\\ 1.84\\ 4.89\\ 9.76\\ 1.82\\ 2.92\\ 5.02\\ 2.20\\ 4.49\\ 10.39\\ \end{array}$	3 2.5 7.2 18.8 -4.4 -3.8 -1.2 -2.4 -2.3 -24.3 -1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-6.1 -18.3 -24.1 -3.4 -18.8 -11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 -1.6 -8.3 -27.1 .7 -6.4 -1.9	9 -2.1 6.0 2.4 -10.5 -9.9 5 4 .5 -13.6 .1 -5.2 9 -6.4 11.1 -9 -14.3	4.7 6.6 14.5 -36.3 2.9 5.9 4.2 2.0 5.1 29.9 -2 -8.4 12.9 9.0 -10.9 12.4 15.0	1.3 10.9 4.8 10.0 13.5 20.3 -1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	6.9 13.1 26.9 25.6 -8.3 2.0 5.2 .9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	.0 6 1.3 8 7 .2 9 8 7 9 -1.4 4.1 .7 .1 .5	$\begin{array}{c} 1.2 \\ 5.2 \\ 9.4 \\ 3.3 \\ .5 \\ 1.1 \\ .2 \\4 \\ .0 \\ -2.3 \\9 \\ 2.0 \\ .6 \\ 2.4 \\ 1.7 \end{array}$	3 -3.5 -5.8 -1.8 -1.1 1.1 1.5 3.8 .9 4 7 .3 .1 .4	5 2 .0 1.2 -1.2 5 5 1 .0 -2.8 .0 5 -2.1 .5 .1 .2	2 .7 1.1 .5 .5 .1 .4 .6 .7 2.4 .4 .2 .40 1.4 .4 1.1	5 -2.3 -6.0 .9 .4 1.3 .0 -5 8 8 3 4 .3 1.9 .9 6 1.3	$\begin{array}{c} 2.3\\ 3.4\\ 2.4\\ -2.7\\ 9\\ 7.3\\ 1.9\\ 1.4\\ 5.5\\ 7.5\\ -2.9\\ -5.5\\ 4.0\\ 12.5\\ 2.1\\ 14.1\\ \end{array}$
Durable         Automotive products         Home electronics         Appliances, furniture, carpeting         Miscellaneous goods         Nondurable         Non-energy         Foods and tobacco         Clothing         Chemical products         Paper products         Energy         Business equipment         Transit         Information processing         Industrial and other         Defense and space equipment         Construction supplies         Business supplies         Materials         Non-energy		5.97 2.72 34 .96 1.95 23.04 18.14 9.55 .28 5.90 1.84 4.89 9.76 1.82 2.92 5.02 2.20 4.49 10.39	2.5 7.2 18.8 -4.4 -3.8 -1.2 -2.4 -2.3 -24.3 -1.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-18.3 -24.1 -3.4 -18.8 -11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	-2.1 6.0 2.4 -10.5 -9.9 5 4 -5 -13.6 .1 -5.2 9 -6.4 11.1 -9 -14.3	6.6 14.5 -36.3 2.9 5.9 4.2 2.0 5.1 29.9 2 8,4 12.9 9.0 -10.9 12.4 15.0	10.9 4.8 10.0 13.5 20.3 -1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	$\begin{array}{c} 13.1\\ 26.9\\ 25.6\\ -8.3\\ 2.0\\ 5.2\\ .9\\ 5.9\\ -4.1\\ -4.0\\ -6.7\\ 21.5\\ 8.6\\ 15.6\\ 13.5\\ \end{array}$	6 6 1.3 8 7 .9 8 7 9 8 7 9 -1.4 4.1 .7 .1 .5	5.2 9.4 3.3 .5 1.1 .2 4 .0 -2.3 9 2.0 .6 2.4 1.7	-3.5 -5.8 .8 -1.8 -1.1 .7 1.1 1.5 3.8 .9 4 7 .3 .1 .4	2 .0 1.2 -1.2 5 1 .0 -2.8 .0 -2.8 .0 -5 -2.1 .5 .1 .2	.7 1.1 .5 .5 .1 4 .6 .7 2.4 .4 .2 -4.0 1.4 .4 1.1	-2.3 -6.0 .9 1.4 1.3 .0 .5 5 8 3 4 .3 1.9 .9 6 1.3	$\begin{array}{c} 3.4\\ 2.4\\ -2.7\\ .9\\ 7.3\\ 1.9\\ 1.4\\ 5.5\\ 7.5\\ -2.9\\ -5.5\\ 4.0\\ 12.5\\ 2.1\\ 14.1\end{array}$
Automotive products Home electronics Appliances, furniture, carpeting Miscellaneous goods Nondurable Non-energy Foods and tobacco Clothing Chemical products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		$\begin{array}{c} 2.72 \\34 \\96 \\ 1.95 \\ 23.04 \\ 18.14 \\ 9.55 \\28 \\ 5.90 \\ 1.84 \\ 4.89 \\ 9.76 \\ 1.82 \\ 2.92 \\ 5.02 \\ 2.20 \\ 4.49 \\ 10.39 \end{array}$	7.2 18.8 -4.4 -3.8 -1.2 -2.4 -2.3 -2.4 -2.3 -2.4 -2.3 -2.4 -2.3 -2.4 -2.3 -2.4 -2.3 -2.4 -2.3 -2.4 -2.4 -2.3 -2.4 -2.4 -2.4 -2.3 -2.4 -2.4 -2.4 -2.4 -2.4 -2.4 -2.4 -2.4	-24.1 -3.4 -18.8 -11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 -7.1 -6.4 -1.9	6.0 2.4 -10.5 -9.9 5 4 .5 -13.6 .1 -5.2 9 -6.4 11.1 9 -14.3	14.5 -36.3 2.9 5.9 4.2 2.0 5.1 29.9 2 -8.4 12.9 9.0 -10.9 12.4 15.0	4.8 10.0 13.5 20.3 -1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	26.9 25.6 -8.3 2.0 5.2 .9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	6 1.3 8 7 .2 9 8 7 9 -1.4 4.1 .7 .1 .5	9.4 3.3 .5 1.1 .2 4 .0 -2.3 9 9 2.0 .6 2.4 1.7	-5.8 .8 -1.8 -1.1 .7 1.1 1.5 3.8 .9 4 7 .3 .1 .4	.0 1.2 -1.2 5 5 .0 -2.8 .0 -2.8 .0 -5 -2.1 .5 .1 .2	1.1 .5 .5 .1 4 .6 .7 2.4 .4 .2 -4.0 1.4 .4 1.1	-6.0 .9 1.4 1.3 .0 5 8 3 4 3 1.9 .9 6 1.3	2.4 -2.7 .9 7.3 1.9 1.4 5.5 7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
Home electronics Appliances, furniture, carpeting Miscellaneous goods Nondurable Non-energy Foods and tobacco Clothing Chemical products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Business supplies Materials Non-energy		$\begin{array}{r} .34\\ .96\\ 1.95\\ 23.04\\ 18.14\\ 9.55\\ .28\\ 5.90\\ 1.84\\ 4.89\\ 9.76\\ 1.82\\ 2.92\\ 5.02\\ 2.20\\ 4.49\\ 10.39\\ \end{array}$	18.8 -4.4 -3.8 -1.2 -2.4 -2.3 -24.3 -1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-3.4 -18.8 -11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	2.4 -10.5 -9.9 5 4 .5 -13.6 .1 -5.2 9 -6.4 11.1 9 -14.3	-36.3 2.9 5.9 4.2 2.0 5.1 29.9 2 -8.4 12.9 9.0 -10.9 12.4 15.0	10.0 13.5 20.3 -1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	25.6 -8.3 2.0 5.2 .9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	1.3 8 7 .2 9 8 7 9 -1.4 4.1 .7 .1 .5	3.3 .5 1.1 .2 .4 .0 -2.3 .9 .9 2.0 .6 2.4 1.7	.8 -1.8 -1.1 .7 1.1 1.5 3.8 .9 4 7 .3 .1 .4	1.2 -1.2 5 5 1 .0 -2.8 .0 5 -2.1 .5 -2.1 .5 .1 .2	.5 .5 .1 4 .6 .7 2.4 .4 2 -4.0 1.4 .4 1.1	.9 1.4 1.3 .0 5 8 3 4 3 1.9 .9 6 1.3	-2.7 .9 7.3 1.9 1.4 5.5 7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
Appliances, furniture, carpeting Miscellaneous goods Nondurable Non-energy Foods and tobacco Clothing Chemical products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Business supplies Materials Non-energy		$\begin{array}{r} .96\\ 1.95\\ 23.04\\ 18.14\\ 9.55\\ .28\\ 5.90\\ 1.84\\ 4.89\\ 9.76\\ 1.82\\ 2.92\\ 5.02\\ 2.20\\ 4.49\\ 10.39\\ \end{array}$	-4.4 -3.8 -1.2 -2.4 -2.3 -2.3 -1.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-18.8 -11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	-10.5 -9.9 5 4 .5 -13.6 .1 -5.2 9 -6.4 11.1 9 -14.3	2.9 5.9 4.2 2.0 5.1 29.9 2 -8.4 12.9 9.0 -10.9 12.4 15.0	13.5 20.3 -1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	-8.3 2.0 5.2 .9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	8 7 9 8 7 9 -1.4 4.1 .7 .1 .5	.5 1.1 .2 4 .0 -2.3 9 9 2.0 .6 2.4 1.7	-1.8 -1.1 .7 1.1 1.5 3.8 .9 4 7 .3 .1 .4	-1.2 5 5 1 .0 -2.8 .0 -2.8 .0 5 -2.1 .5 .1 .2	.5 .1 4 .6 .7 2.4 .4 2 -4.0 1.4 .4 1.1	1.4 1.3 .0 5 8 3 4 .3 1.9 .9 6 1.3	.9 7.3 1.9 1.4 5.5 7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
Miscellaneous goods         Nondurable         Non-energy         Foods and tobacco         Clothing         Chemical products         Paper products         Energy         Business equipment         Transit         Information processing         Industrial and other         Defense and space equipment         Construction supplies         Business supplies         Materials         Non-energy		$ \begin{array}{r} 1.95\\ 23.04\\ 18.14\\ 9.55\\ .28\\ 5.90\\ 1.84\\ 4.89\\ 9.76\\ 1.82\\ 2.92\\ 5.02\\ 2.20\\ 4.49\\ 10.39\\ \end{array} $	-3.8 -1.2 -2.4 -2.3 -24.3 -1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-11.1 -2.0 -3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	-9.9 5 4 .5 -13.6 .1 -5.2 9 -6.4 11.1 9 -14.3	5.9 4.2 2.0 5.1 29.9 2 -8.4 12.9 9.0 -10.9 12.4 15.0	20.3 -1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	2.0 5.2 .9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	7 .2 9 8 7 9 -1.4 4.1 .7 .1 .5	1.1 .2 4 .0 -2.3 9 9 2.0 .6 2.4 1.7	-1.1 .7 1.1 1.5 3.8 .9 4 7 .3 .1 .4	5 5 1 .0 -2.8 .0 5 -2.1 .5 .1 .2	.1 4 .6 .7 2.4 .4 2 -4.0 1.4 .4 1.1	1.3 .0 5 8 3 4 .3 1.9 .9 6 1.3	7.3 1.9 1.4 5.5 7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
Nondurable Non-energy Foods and tobacco Clothing Chemical products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Business supplies Materials Non-energy		23.04 18.14 9.55 .28 5.90 1.84 4.89 9.76 1.82 2.92 5.02 2.20 4.49 10.39	-1.2 -2.4 -2.3 -24.3 -1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-2.0 -3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	5 4 .5 -13.6 .1 -5.2 9 -6.4 11.1 9 -14.3	4.2 2.0 5.1 29.9 2 -8.4 12.9 9.0 -10.9 12.4 15.0	-1.2 2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	5.2 .9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	.2 9 8 7 9 -1.4 4.1 .7 .1 .5	.2 4 .0 -2.3 9 9 2.0 .6 2.4 1.7	.7 1.1 1.5 3.8 .9 4 7 .3 .1 .4	5 1 .0 -2.8 .0 5 -2.1 .5 .1 .2	4 .6 .7 2.4 .4 2 -4.0 1.4 .4 1.1	.0 5 8 3 4 .3 1.9 .9 6 1.3	1.9 1.4 5.5 7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
Non-energy Foods and tobacco Clothing Chemical products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Business supplies Non-energy		18.14 9.55 .28 5.90 1.84 4.89 9.76 1.82 2.92 5.02 2.20 4.49 10.39	-2.4 -2.3 -24.3 -1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-3.0 -3.6 -6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	4 .5 -13.6 .1 -5.2 9 -6.4 11.1 9 -14.3	2.0 5.1 29.9 2 -8.4 12.9 9.0 -10.9 12.4 15.0	2.1 8.3 .3 -6.2 -2.8 -12.3 18.7 3.9 21.9	.9 5.9 -4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	9 8 7 9 -1.4 4.1 .7 .1 .5	4 .0 -2.3 9 9 2.0 .6 2.4 1.7	1.1 1.5 3.8 .9 4 7 .3 .1 .4	1 .0 -2.8 .0 5 -2.1 .5 .1 .2	6 7 2.4 4 2 -4.0 1.4 4 1.1	5 8 3 4 .3 1.9 .9 6 1.3	1.4 5.5 7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
Foods and tobacco Clothing Chemical products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		$\begin{array}{c} .28\\ 5.90\\ 1.84\\ 4.89\\ 9.76\\ 1.82\\ 2.92\\ 5.02\\ 2.20\\ 4.49\\ 10.39\end{array}$	-24.3 -1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-6.1 -1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	.5 -13.6 .1 -5.2 9 -6.4 11.1 9 -14.3	29.9 2 -8.4 12.9 9.0 -10.9 12.4 15.0	.3 -6.2 -2.8 -12.3 18.7 3.9 21.9	-4.1 -4.0 -6.7 21.5 8.6 15.6 13.5	7 9 -1.4 4.1 .7 .1 .5	-2.3 9 9 2.0 .6 2.4 1.7	3.8 .9 4 7 .3 .1 .4	.0 -2.8 .0 5 -2.1 .5 .1 .2	2.4 .4 2 -4.0 1.4 .4 1.1	8 3 4 .3 1.9 .9 6 1.3	7.5 -2.9 -5.5 4.0 12.5 2.1 14.1
Chemical products Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		5.90 1.84 4.89 9.76 1.82 2.92 5.02 2.20 4.49 10.39	-1.1 -2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-1.7 -5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	.1 -5.2 9 -6.4 11.1 9 -14.3	2 -8.4 12.9 9.0 -10.9 12.4 15.0	-6.2 -2.8 -12.3 18.7 3.9 21.9	-4.0 -6.7 21.5 8.6 15.6 13.5	9 -1.4 4.1 .7 .1 .5	9 9 2.0 .6 2.4 1.7	.9 4 7 .3 .1 .4	.0 5 -2.1 .5 .1 .2	.4 2 -4.0 1.4 .4 1.1	4 .3 1.9 .9 6 1.3	-2.9 -5.5 4.0 12.5 2.1 14.1
Paper products Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		1.84 4.89 9.76 1.82 2.92 5.02 2.20 4.49 10.39	-2.1 2.6 2.8 1.4 4.6 2.5 17.8 -1.7	-5.2 1.6 -8.3 -27.1 .7 -6.4 -1.9	-5.2 9 -6.4 11.1 9 -14.3	-8.4 12.9 9.0 -10.9 12.4 15.0	-2.8 -12.3 18.7 3.9 21.9	-6.7 21.5 8.6 15.6 13.5	-1.4 4.1 .7 .1 .5	9 2.0 .6 2.4 1.7	4 7 .3 .1 .4	5 -2.1 .5 .1 .2	2 -4.0 1.4 .4 1.1	.3 1.9 .9 6 1.3	-5.5 4.0 12.5 2.1 14.1
Energy Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		4.89 9.76 1.82 2.92 5.02 2.20 4.49 10.39	2.6 2.8 1.4 4.6 2.5 17.8 -1.7	1.6 -8.3 -27.1 .7 -6.4 -1.9	9 -6.4 11.1 9 -14.3	12.9 9.0 -10.9 12.4 15.0	-12.3 18.7 3.9 21.9	21.5 8.6 15.6 13.5	4.1 .7 .1 .5	2.0 .6 2.4 1.7	7 .3 .1 .4	-2.1 .5 .1 .2	-4.0 1.4 .4 1.1	1.9 .9 6 1.3	4.0 12.5 2.1 14.1
Business equipment Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		9.76 1.82 2.92 5.02 2.20 4.49 10.39	2.8 1.4 4.6 2.5 17.8 -1.7	-8.3 -27.1 .7 -6.4 -1.9	-6.4 11.1 9 -14.3	9.0 -10.9 12.4 15.0	18.7 3.9 21.9	8.6 15.6 13.5	.7 .1 .5	.6 2.4 1.7	.3 .1 .4	.5 .1 .2	1.4 .4 1.1	.9 6 1.3	12.5 2.1 14.1
Transit Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		1.82 2.92 5.02 2.20 4.49 10.39	1.4 4.6 2.5 17.8 -1.7	-27.1 .7 -6.4 -1.9	11.1 9 -14.3	-10.9 12.4 15.0	3.9 21.9	15.6 13.5	.1 .5	2.4 1.7	.1 .4	.1 .2	.4 1.1	6 1.3	2.1 14.1
Information processing Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		2.92 5.02 2.20 4.49 10.39	4.6 2.5 17.8 -1.7	.7 -6.4 -1.9	9 -14.3	12.4 15.0	21.9	13.5	.5	1.7	.4	.2	1.1	1.3	14.1
Industrial and other Defense and space equipment Construction supplies Business supplies Materials Non-energy		5.02 2.20 4.49 10.39	2.5 17.8 -1.7	-6.4 -1.9	-14.3	15.0									
Defense and space equipment Construction supplies Business supplies Materials Non-energy		2.20 4.49 10.39	17.8 -1.7	-1.9			22.2				-	~	<b>a</b> a	1.0	
Construction supplies Business supplies Materials Non-energy		4.49 10.39	-1.7		1.8		22.3	3.5	.9	6	.2	.8	2.0	1.2	15.4
Business supplies Materials Non-energy		10.39		-14.2		5.8	6.5	3.6	-1.4	1.9	.2	2	.5	1.5	5.9
Non-energy		13.68	1	-7.6	-11.8 -6.0	4.8 2.1	25.2 3.3	-1.8 1.7	.4 .1	-1.0 .3	.7 1	5 7	.1 -1.1	.9 .9	6.0 1.4
Non-energy		45.00	4.0	-8.2	-3.2	8.9	7.5	6.6	.1	.8	.5	.6	4	.7	6.4
Durable		26.75	5.0	-12.6	-4.8	10.6	10.3	5.1	.1	.6	.2	.5	1	.9	7.0
		15.69	6.2	-12.1	-9.1	14.5	17.1	5.2	.1	.9	2	1	.3	.9	9.8
Consumer parts		2.07	-2.9	-23.6	-7.7	7.9	19.9	11.5	.2	4.9	-5.2	.3	2.0	9	8.5
Equipment parts		6.11	15.9	-5.7	-8.1	17.3	14.6	5.7	.4	.5	.7	2	.3	1.0	11.0
Other		7.51	2.5	-13.1	-10.4	14.3	18.4	3.0	3	.2	.6	1	1	1.4	9.1
Nondurable		11.06	3.2	-13.5	2.1	5.2	.9	4.9	.1	.2	.9	1.3	7	.9	3.2
Textile		.41	-9.2	-16.4	-2.2	5.2	13.0	13.4	5	3.3	1	-1.1	8	-2.5	1.1
Paper Chemical		2.19 5.08	7 6.7	-11.3 -18.0	-5.6 9.5	1.5 7.1	4.8	-2.5 7.7	.4 .1	.1 .8	-1.2	1 3.4	9 -1.2	1.6 1.3	.1 5.2
Energy		16.93	2.1	6	9	6.1	3.3	9.0	.0	1.1	1.0	.7	9	.4	5.2
INDUSTRY GROUPS															
Manufacturing	21.22	75.40	2.6	-10.0	-4.1	6.2	9.4	4.1	2	.7	.1	.1	.3	.3	5.3
Manufacturing (NAICS)	31–33	71.66	2.8	-10.0	-3.7	7.1	9.9	4.6	2	.8	.1	.2	.4	.3	6.0
Durable manufacturing Wood products	321	37.47 .97	5.2 -4.5	-11.3 -20.9	-6.3 -10.7	9.3 1.9	15.4 21.3	6.2 -19.2	.0 -4.0	1.3 -1.7	5 8	.2 -1.8	.7 2.2	.4 1.6	8.4 2.1
Nonmetallic mineral products	321	1.87	-2.4	-15.9	-11.8	-2.2	22.2	4.4	.3	1.1	.0	-1.8	1.8	3	3.6
Primary metal	331	1.97	10.9	-23.2	-3.1	33.7	18.7	-17.6	.5	-5.6	6	2.4	-1.2	3.3	10.2
Fabricated metal products	332	5.77	3.3	-7.1	-11.7	7.1	18.1	15.8	1.2	1.4	1.3	.4	3	1.3	11.5
Machinery	333	4.81	3.0	-8.2	-19.1	20.8	28.8	5.7	1.3	2	1	.2	2.3	1.2	19.6
Computer and electronic products	334	7.20	15.4	-2.6	1.7	14.6	19.9	9.0	.0	1.4	.4	3	.3	1.1	11.9
Electrical equip., appliances,										-			<i></i>		
and components	335	1.96	3.2	-5.6	-10.4	11.4	12.9	1.6	.5	2	1.6	-1.1	3.0	1.2	9.7
Motor vehicles and parts	3361–3	3.54	-2.7	-27.5	1.4	13.7	9.2	28.5	9	9.6	-6.2	.4	1.5	-6.0	4.5
Aerospace and miscellaneous transportation equipment	3364–9	4.62	17.5	-13.2	2.6	-4.6	-1.8	2.7	3	.9	.4	1	1	.9	.1
Furniture and related products	3304-9	4.62	-1.4	-15.2	-15.2	-4.0 -1.3	-1.8 16.1	-1.6	5	.9 1	.4 -1.2	1 .4	1 .0	.9 .7	.1 3.4
Miscellaneous	339	3.47	-1.4	-10.5	-13.2	-2.2	8.0	-1.0	-1.8	1	-1.2	.4	.0	1.1	1.6
Nondurable manufacturing	211.0	34.20	.0	-8.5	6	4.8	4.0	2.9	4	.2	.8	.3	1	.2	3.3
Food, beverage, and tobacco products	311,2	11.38	-1.2	-3.3	.0	5.4 4.2	6.4	7.0 8.8	5 -1.0	.0	1.9	.0	.6	7 -2.2	5.4
Textile and product mills Apparel and leather	313,4 315,6	.73 .34	-11.3	-15.1 -14.9	-5.5 -13.9	4.2 25.7	6.4 -3.3	8.8 6	-1.0 1	2.5 -1.3	4 3.4	1 -2.6	3 2.8	-2.2	.8 7.1
Paper	322	2.54	-25.1	-14.9	-13.9	6.8	-3.5	-2.2	1	-1.5	9	-2.0	-1.0	5	.6
Printing and support	323	1.81	.4	-9.2	-14.0	-7.4	6.3	-2.5	8	-1.1	1.5	-1.7	6	1.6	4
Petroleum and coal products	324	2.43	.7	-4.4	-1.5	-6.9	26.8	5.3	.4	2.3	-1.2	-1.0	8	.4	3.6
Chemical	325	12.28	3.2	-10.4	3.9	5.4	-4.7	.8	4	2	.6	1.5	4	.6	1.3
Plastics and rubber products	326	2.70	6	-15.0	-8.8	13.4	17.0	.3	-1.4	1.1	.0	-1.0	.2	1.1	8.2
Other manufacturing (non-NAICS)	1133,5111	3.74	-2.4	-9.1	-11.3	-10.1	2	-5.6	-1.5	3	5	-2.0	5	7	-7.1
Mining	21	12.96	.1	3	-4.5	7.7	11.0	11.2	2	1.3	2.2	1.1	2	1	7.7
Utilities Electric	2211,2	11.64	3.1	3 -1.4	-1.4	11.7	-9.7	10.9	2.5 2.7	.9	-1.1	-1.4	-3.7	1.9	2.5
Electric Natural gas	2211 2212	10.00 1.64	3.4 1.6	-1.4 4.9	-1.7 .6	13.6 .5	-6.2 -29.1	7.4 36.7	2.7	.8 1.3	-1.6 1.7	-1.9 1.9	-3.3 -5.8	1.3 6.0	1.3 10.6

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NOTE. Under the industry groups, the figures to the right of the series descriptions are 2002 North American Industry Classification System (NAICS) codes. The abbreviation pt denotes part of a NAICS code. Additional industry detail is available on the Board's web site (www.federalreserve.gov/releases/G17). Under market groups, in the products category, miscellaneous consumer nondurables, oil and gas drilling, and manufactured homes are not shown separately; in the nondurable materials category, containers and miscellaneous nondurable materials are not shown separately.

1. The proportion data are the relative weights for the rates of change for each series in the computation of the change in total industrial production in the following year.  $\frac{8}{8}$ 

## Table 2 Industrial Production: Special Aggregates and Selected Detail Percent change, seasonally adjusted Fourth quarter to

ercent change, seasonany aujusted			1	rth quarte urth quar		A	nnual rat	e			Month	ly rate			Nov. '09
Item		2009 proportion	2007	2008	2009	2010 Q1	Q2r	Q3 <sup>r</sup>	2010 June <sup>r</sup>	July <sup>r</sup>	Aug.r	Sept. <sup>r</sup>	Oct.r	Nov. <sup>p</sup>	to Nov. '10
Total industry		100.00	2.3	-7.6	-3.8	7.1	7.2	5.9	.1	.8	.2	.1	2	.4	5.4
Energy		25.33	2.2	.0	-2.0	8.9	.3	10.6	.9	1.2	.5	.1	-1.7	.8	5.4
Consumer products		4.89	2.6	1.6	9	12.9	-12.3	21.5	4.1	2.0	7	-2.1	-4.0	1.9	4.0
Commercial products		3.07	2.3	5	1	5.3	-1.5	4.6	2.0	.4	5	6	-3.4	1.6	2.4
Oil and gas well drilling	213111	.44	-1.0	6.9	-42.3	131.4	51.3	2.9	-4.7	1.1	3.3	1.4	1.8	2	44.2
Converted fuel Primary energy		4.32 12.61	5.9 .9	-5.1 .8	5 -1.1	12.6 3.6	6 4.8	5.9 9.9	.4 1	1.5 .9	-1.4 1.7	-1.4 1.4	-3.1 2	1.4 .1	2.4 6.0
Non-energy		74.67	2.3	-10.2	-4.4	6.5	9.6	4.3	2	.7	.1	.1	.3	.3	5.4
Selected high-technology industries		3.92	21.4	-5.2	4.0	13.8	20.1	6.5	.1	.8	.5	3	6	.8	10.0
Computers and peripheral equipment	3341	.92	27.5	-4.9	-2.0	-9.5	8.8	27.0	1.7	2.7	1.8	1.2	1.0	.9	7.7
Communications equipment	3342	1.00	-11.5	2.2	5.1	1.3	31.6	4.4	1.2	8	.0	.5	.5	.7	10.2
Semiconductors and related electronic components	334412–9	2.00	37.7	-8.2	6.5	33.1	19.8	.0	-1.0	.9	.2	-1.4	-1.8	.9	11.0
Excluding selected high-technology															
industries		70.75	1.2	-10.5	-4.9	6.1	9.0	4.1	2	.7	.1	.1	.4	.3	5.1
Motor vehicles and parts	3361-3	3.54	-2.7	-27.5	1.4	13.7	9.2	28.5	9	9.6	-6.2	.4	1.5	-6.0	4.5
Motor vehicles	3361	1.48	-1.6	-31.5	5.2	16.0	7.5	57.4	-1.6	17.1	-9.4	1.7	1.7	-10.6	3.7
Motor vehicle parts	3363	1.81	-3.6	-20.7	-2.9	9.3	6.2	7.5	8	3.8	-3.9	1.1	1.2	-2.1	4.3
Excluding motor vehicles and parts		67.22	1.5	-9.3	-5.3	5.6	9.0	2.8	2	.1	.5	.1	.3	.6	5.2
Consumer goods		21.54	-2.1	-5.3	-2.3	2.7	4.3	.8	8	1	.7	1	.5	3	2.1
Business equipment		8.24	5.3	-8.3	-6.1	9.4	16.8	5.7	.6	.1	.4	.5	1.6	1.3	12.2
Construction supplies		4.45	-1.8	-14.3	-12.0	4.8	25.1	-1.9	.4	-1.0	.7	5	.1	.9	6.0
Business supplies Materials		7.08 23.70	.4 3.2	-10.2 -11.9	-8.8 -5.7	3 8.9	4.8 9.4	.6 5.1	6 .2	.3 .4	.0 .6	6 6.	1 1	.5 1.1	.7 6.7
Measures excluding selected															
high-technology industries		06.09	1.4	70	4.1	68	67	5.0	1	0	2	1	2	4	5.2
Total industry Manufacturing <sup>1</sup>		96.08 71.48	1.4 1.5	-7.8 -10.3	-4.1 -4.5	6.8 5.8	6.7 8.8	5.9 4.0	.1	.8 .7	.2	.1	2 .4	.4	5.2
Durable		33.69	3.3	-10.5	-4.5 -7.5	5.8 8.8	8.8 14.9	4.0 6.0	5	1.3	7	.1 .2	.4 .9	.3 .4	8.2
Measures excluding motor vehicles and parts															
Total industry		96.46	2.6	-6.6	-4.0	6.8	7.1	5.0	.1	.4	.5	.1	3	.7	5.4
Manufacturing <sup>1</sup>		71.86	2.9	-8.8	-4.4	5.8	9.4	2.9	2	.2	.4	.1	.2	.7	5.4
Durable		34.07	6.4	-9.0	-7.1	8.8	16.2	3.6	.1	.3	.2	.1	.6	1.2	8.9
Measures excluding selected high-technology industries															
and motor vehicles and parts															
Total industry		92.54	1.7	-6.7	-4.4	6.5	6.6	4.9	.1	.4	.5	.1	3	.7	5.2
Manufacturing <sup>1</sup>		67.95	1.8	-9.0	-4.9	5.3	8.8	2.7	2	.2	.4	.1	.3	.7	5.1
Stage-of-process components															
of non-energy materials,															
		1													
measures of the input to		10 70		4 4 4		1.1	10 -	~ ~	-		1.0			-	
measures of the input to Finished processors Primary and semifinished processors		10.78 15.96	6.8 3.8	-11.4 -13.5	-7.3 -3.0	11.6 9.9	13.6 8.1	5.5 4.7	.3	1.4 .1	-1.0 1.0	1 .9	.4 4	.6 1.1	7.9 6.5

r Revised. p Preliminary. 1. Refer to note on cover page.

### Table 3 MOTOR VEHICLE ASSEMBLIES Millions of units, seasonally adjusted annual rate

	2009	2009	2010			2010					
Item	average	Q4	Q1	Q2	Q3	June	July	Aug.	Sept.	Oct.	Nov.
Total	5.71	7.23	7.47	7.57	8.21	7.67	8.69	7.90	8.03	8.16	7.53
Autos	2.20	2.76	2.79	2.88	2.72	2.83	2.76	2.74	2.66	2.56	2.62
Trucks	3.51	4.47	4.68	4.69	5.48	4.84	5.93	5.16	5.36	5.60	4.91
Light	3.38	4.32	4.55	4.56	5.33	4.70	5.78	5.00	5.20	5.44	4.75
Medium and heavy	.13	.15	.13	.13	.16	.14	.15	.15	.17	.16	.16
Memo											
Autos and light trucks	5.58	7.08	7.34	7.44	8.05	7.54	8.54	7.75	7.86	8.00	7.37

NOTE. Seasonal factors and underlying data for auto, light truck, and medium and heavy truck production are available on the Board's web site, www.federalreserve.gov/releases/G17/mvsf.htm

## Table 4 INDUSTRIAL PRODUCTION INDEXES: MARKET AND INDUSTRY GROUP SUMMARY 2007 = 100, seasonally adjusted

J07 = 100, seasonally adjusted											
Item		2009 proportion	2010 Mar.	Apr.	May	June <sup>r</sup>	July <sup>r</sup>	Aug. <sup>r</sup>	Sept. <sup>r</sup>	Oct.r	Nov. <sup>p</sup>
Total IP		100.00	91.0	91.5	92.6	92.6	93.4	93.6	93.7	93.5	93.9
MARKET GROUPS											
Final products and nonindustrial supplies		56.32	90.1	90.3	91.8	91.9	92.6	92.6	92.3	92.3	92.5
Consumer goods		29.00	93.4	92.3	94.4	94.4	95.6	95.3	94.9	94.7	94.2
Durable		5.97	81.3	81.6	83.8	83.3	87.6	84.5	84.3	84.9	82.9
Automotive products		2.72	82.7	81.4	84.7	84.2	92.1	86.8	86.8	87.7	82.5
Home electronics		.34	96.3	98.3	100.4	101.7	105.0	105.9	107.1	107.7	108.6
Appliances, furniture, carpeting		.96	73.7	75.4	74.2	73.6	74.0	72.7	71.8	72.1	73.1
Miscellaneous goods		1.95	80.4	82.6	84.5	83.9	84.8	83.9	83.5	83.6	84.7
Nondurable		23.04	97.5	95.9	98.0	98.1	98.3	99.0	98.4	98.0	98.0
Non-energy		18.14	96.2	95.8	97.3	96.4	96.0	97.1	97.0	97.6	97.1
Foods and tobacco		9.55	97.6	97.1	99.9	99.1	99.1	100.6	100.6	101.4	100.6
Clothing Chamingland ducts		.28	79.4	79.7	80.0	79.5	77.6	80.6	78.4	80.3	80.0
Chemical products		5.90 1.84	97.9 85.8	97.4 85.3	96.9 86.7	96.1 85.5	95.3 84.7	96.1 84.4	96.1 84.0	96.5 83.8	96.1
Paper products Energy		4.89	102.1	85.5 95.8	100.1	85.5 104.2	84.7 106.2	84.4 105.5	103.3	85.8 99.1	84.1 101.0
Licity		4.07	102.1	)5.0	100.1	104.2	100.2	105.5	105.5	<i>))</i> .1	101.0
Business equipment		9.76	89.3	91.2	93.0	93.7	94.2	94.5	95.0	96.3	97.2
Transit Information processing		1.82 2.92	81.2	79.7	82.5	82.6	84.5	84.6	84.7	85.0	84.5
Information processing Industrial and other		2.92 5.02	105.3 84.0	107.6 87.0	110.1 88.1	110.7 88.9	112.6 88.4	113.1 88.6	113.3 89.3	114.6 91.0	116.1 92.1
Defense and space equipment		2.20	107.8	108.3	107.9	106.4	108.4	108.6	108.4	108.9	110.6
		4.40	761	70.4	70.2	70.6	70.0	70.4	70.0	70.1	70.0
Construction supplies Business supplies		4.49 10.39	76.1 87.0	79.4 87.3	79.3 88.1	79.6 88.2	78.8 88.5	79.4 88.4	79.0 87.8	79.1 86.8	79.8 87.6
Materials		43.68	92.1	92.9	93.5	93.6	94.3	94.8	95.4	95.0	95.7
Non-energy		26.75	86.6	87.8	88.4	88.5	89.0	89.2	89.7	89.6	90.4
Durable		15.69	84.6	86.3	87.5	87.6	88.4	88.2	88.1	88.4	89.2
Consumer parts		2.07	70.1	70.4	73.3	73.4	77.0	73.0	73.1	74.6	73.9
Equipment parts		6.11	96.1	97.6	98.3	98.7	99.1	99.9	99.7	99.9	100.9
Other		7.51	81.3	83.6	84.6	84.4	84.5	85.0	84.9	84.9	86.1
Nondurable		11.06	89.7	90.0	89.7	89.8	90.0	90.8	92.0	91.3	92.1
Textile		.41	79.1	80.4	82.0	81.6	84.3	84.2	83.3	82.6	80.6
Paper		2.19 5.08	84.9	85.3 92.1	84.9 91.0	85.2	85.3 91.7	84.3 92.2	84.3 95.3	83.5 94.1	84.9 95.4
Chemical Energy		16.93	91.5 101.1	92.1 101.4	102.0	91.1 102.0	103.1	92.2	95.5	94.1 103.9	95.4 104.3
INDUSTRY GROUPS											
Manufacturing		75.40	88.5	89.3	90.3	90.1	90.7	90.8	90.9	91.2	91.5
Manufacturing (NAICS)	31–33	71.66	89.1	90.0	91.0	90.8	91.5	91.6	91.8	92.1	92.4
Durable manufacturing		37.47	86.7	88.2	89.5	89.6	90.7	90.2	90.4	91.0	91.4
Wood products	321	.97	68.6	72.3	72.8	69.9	68.7	68.2	67.0	68.4	69.6
Nonmetallic mineral products	327	1.87	72.0	75.7	75.5	75.7	76.5	76.5	76.3	77.6	77.4
Primary metal	331	1.97	84.5	86.3	86.5	87.0	82.1	81.7	83.6	82.6	85.4
Fabricated metal products Machinery	332 333	5.77 4.81	84.3 78.7	85.9 81.9	87.3 83.9	88.4 84.9	89.6 84.7	90.7 84.6	91.0 84.8	90.7 86.8	91.9 87.8
Computer and electronic products	334	7.20	110.3	112.4	114.3	114.3	115.9	116.4	116.1	116.4	117.7
Electrical equip., appliances,	554	7.20	110.5	112.4	114.5	114.5	115.7	110.4	110.1	110.4	11/./
and components	335	1.96	87.2	89.8	88.5	88.9	88.8	90.2	89.3	91.9	93.0
Motor vehicles and parts	3361-3	3.54	73.2	72.0	76.0	75.3	82.6	77.4	77.7	78.9	74.2
Aerospace and miscellaneous											
transportation equipment	3364-9	4.62	92.9	92.5	91.8	91.5	92.3	92.7	92.6	92.5	93.3
Furniture and related products	337	1.29	72.1	72.8	73.3	73.5	73.4	72.5	72.8	72.8	73.3
Miscellaneous	339	3.47	96.6	97.9	99.6	97.8	98.9	97.7	98.2	98.9	100.0
Nondurable manufacturing		34.20	91.9	92.1	92.7	92.3	92.5	93.2	93.4	93.4	93.6
Food, beverage, and tobacco products	311,2	11.38	97.7	97.2	99.4	98.9	98.9	100.8	100.8	101.4	100.8
Textile and product mills	313,4	.73	77.0	77.6	78.9	78.1	80.1	79.8	79.7	79.5	77.8
Apparel and leather	315,6	.34	69.6	69.8	69.6	69.5	68.6	70.9	69.0	71.0	70.6
Paper	322	2.54	89.3	88.7	88.8	89.2	88.9	88.1	88.3	87.3	88.7
Printing and support	323	1.81	75.6	76.6	78.1	77.4	76.6	77.7	76.4	75.9	77.1
Petroleum and coal products	324	2.43	95.6	97.7	97.3	97.7	99.9	98.7	97.7	97.0	97.4
Chemical	325	12.28	94.2	94.1	93.4	93.0	92.9	93.4	94.8	94.5	95.0
Plastics and rubber products	326	2.70	80.1	82.3	83.1	81.9	82.8	82.8	81.9	82.1	83.0
Other manufacturing (non-NAICS)	1133,5111	3.74	76.8	76.3	78.1	76.9	76.7	76.3	74.9	74.5	74.0
				100.0	100.0	00.8	101.1	103.3	104.4	104.2	104.1
Mining	21	12.96	98.9	100.8	100.0	99.8					
Utilities	2211,2	11.64	99.0	95.3	99.2	101.6	102.5	101.3	100.0	96.3	98.2
Mining Utilities Electric Natural gas											98.2 97.1 104.4

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### Table 5 INDUSTRIAL PRODUCTION INDEXES: SPECIAL AGGREGATES 2007 = 100, seasonally adjusted

007 = 100, seasonarry aujused		2009	2010								
Item		proportion	Mar.	Apr.	May	June <sup>r</sup>	July <sup>r</sup>	Aug."	Sept. <sup>r</sup>	Oct.r	Nov. <sup>p</sup>
Total industry		100.00	91.0	91.5	92.6	92.6	93.4	93.6	93.7	93.5	93.9
Energy		25.33	100.7	99.7	101.0	101.9	103.1	103.6	103.6	101.9	102.7
Consumer products		4.89	102.1	95.8	100.1	104.2	106.2	105.5	103.3	99.1	101.0
Commercial products		3.07	100.8	100.4	100.3	102.3	102.7	102.2	101.5	98.0	99.6
Oil and gas well drilling	213111	.44	79.8	83.9	84.6	80.5	81.4	84.1	85.2	86.8	86.6
Converted fuel		4.32	97.3	96.3	99.6	100.0	101.5	100.1	98.7	95.6	96.9
Primary energy		12.61	102.2	102.9	102.6	102.5	103.4	105.2	106.7	106.5	106.6
Non-energy		74.67	87.8	88.7	89.8	89.6	90.2	90.3	90.4	90.7	91.0
Selected high-technology industries		3.92	112.4	115.1	116.5	116.7	117.6	118.3	117.9	117.2	118.2
Computers and peripheral equipment	3341	.92	103.2	104.1	105.8	107.7	110.6	112.6	114.0	115.1	116.2
Communications equipment	3342	1.00	101.5	106.6	109.7	111.0	110.1	110.1	110.6	111.1	111.9
Semiconductors and related											
electronic components	334412-9	2.00	122.3	124.6	124.9	123.7	124.7	125.0	123.3	121.2	122.2
Excluding selected high-technology		70.75	964	07.2	00.2	00.1	00 7	00 0	<u> </u>	20.2	90 F
industries		70.75	86.4	87.3	88.3	88.1	88.7	88.8	88.9	89.2	89.5
Motor vehicles and parts	3361-3	3.54	73.2	72.0	76.0	75.3	82.6	77.4	77.7	78.9	74.2
Motor vehicles	3361	1.48	72.2	69.5	75.1	73.9	86.5	78.4	79.8	81.2	72.6
Motor vehicle parts	3363	1.81	75.6	75.6	77.5	76.9	79.8	76.7	77.6	78.5	76.9
Excluding motor vehicles and parts		67.22	87.5	88.5	89.3	89.1	89.2	89.7	89.8	90.1	90.7
Consumer goods		21.54	92.6	92.6	93.9	93.1	93.0	93.7	93.5	94.0	93.7
Business equipment		8.24	90.3	92.2	93.6	94.1	94.2	94.6	95.0	96.5	97.8
Construction supplies		4.45	75.8	79.1	79.0	79.3	78.5	79.1	78.6	78.7	79.4
Business supplies		7.08	81.2	81.8	82.9	82.4	82.6	82.6	82.1	82.1	82.5
Materials		23.70	85.5	86.6	87.1	87.3	87.6	88.1	88.6	88.5	89.5
Measures excluding selected high-technology											
industries		0.6.00	00.1	00 7	01.6	01.7	02.4	00.0	00.7	0.2 5	
Total industry		96.08	90.1	90.5	91.6	91.7	92.4	92.6	92.7	92.5	92.9
Manufacturing <sup>1</sup>		71.48	87.1	87.9	88.9	88.7	89.3	89.3	89.4	89.8	90.0
Durable		33.69	83.9	85.3	86.6	86.6	87.7	87.2	87.3	88.1	88.4
Measures excluding motor vehicles and parts		06.46	01.0	02.5	02 5	02.6	04.0	045	045	04.2	04.0
Fotal industry		96.46	91.9	92.5	93.5	93.6	94.0	94.5	94.5	94.3	94.9
Manufacturing <sup>1</sup>		71.86	89.6	90.5	91.3	91.2	91.4	91.8	91.9	92.1	92.7
Durable		34.07	88.7	90.6	91.6	91.7	92.0	92.1	92.2	92.8	94.0
Measures excluding selected high-technology industries and motor vehicles and parts											
Total industry		92.54	91.0	91.5	92.5	92.6	92.9	93.4	93.5	93.3	93.9
Manufacturing <sup>1</sup>		67.95	88.2	89.1	89.9	89.7	89.8	90.2	90.4	90.6	91.2
Stage-of-process components of non-energy											
materials, measures of the input to		10.50	0.50	07.0	00.0	00.1	00.4	00.5	00.4	00.0	
Finished processors		10.78	86.8	87.8	88.8	89.1	90.4	89.5	89.4	89.8	90.3
Primary and semifinished processors		15.96	86.5	87.8	88.0	88.0	88.1	89.0	89.8	89.4	90.4

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1. Refer to note on cover page.

### Table 6 DIFFUSION INDEXES OF INDUSTRIAL PRODUCTION Percent

ercent		<b>F</b> 1					* 1		0	0		D
Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
One month earlier												
2008	42.6	37.5	49.4	37.8	45.5	47.1	44.2	39.7	29.8	40.1	27.6	21.5
2009	34.0	42.3	36.2	43.6	42.3	44.9	64.7	61.5	59.6	54.2	64.4	50.6
2010	64.4	51.0	64.1	62.2	62.5	51.9	57.4	51.9	51.0	57.4		
Three months earlier												
2008	49.0	39.1	36.2	34.0	39.1	33.7	36.5	34.3	25.6	25.6	22.1	19.2
2009	17.3	21.8	31.1	36.2	36.2	41.0	51.3	64.4	66.3	62.5	67.0	57.7
2010	66.7	58.3	64.7	62.2	71.5	65.4	61.9	56.7	55.8	53.8		
Six months earlier												
2008	47.4	42.0	39.7	37.5	35.3	31.7	35.6	34.9	22.4	23.7	24.4	13.5
2009	15.7	16.7	22.4	19.6	22.4	33.0	39.4	45.8	55.4	58.3	67.0	67.3
2010	68.6	66.3	67.3	72.1	72.4	70.8	67.6	66.7	63.1	60.9		

NOTE. The diffusion indexes are calculated as the percentage of series that increased over the indicated span (one, three, or six months) plus one-half the percentage that were unchanged.

Item		2009	1972- 2009	1994- 95	2008- 09	2010			2010					
		proportion	ave.	high	low	Q1	Q2 <sup>r</sup>	Q3 <sup>r</sup>	June <sup>r</sup>	July <sup>r</sup>	Aug. <sup>r</sup>	Sept. <sup>r</sup>	Oct.r	Nov. <sup>1</sup>
Total industry		100.00	80.6	85.1	68.2	72.5	73.9	75.0	74.2	74.8	75.0	75.1	74.9	75.2
Manufacturing <sup>1</sup>		79.41	79.2	84.6	65.4	70.0	71.6	72.3	71.8	72.3	72.3	72.4	72.6	72.8
Manufacturing (NAICS)	31-33	75.63	79.0	84.8	65.2	70.0	71.8	72.6	72.0	72.5	72.6	72.7	72.9	73.2
Durable manufacturing		41.96	77.5	83.7	61.0	67.1	69.4	70.3	69.8	70.6	70.2	70.2	70.7	70.
Wood products	321	1.22	78.5	87.2	53.4	58.8	62.9	60.6	61.7	61.0	60.8	60.1	61.8	63.
Nonmetallic mineral products	327	2.48	77.0	82.6	52.0	53.6	56.7	57.6	56.8	57.5	57.6	57.5	58.6	58.
Primary metal	331	2.43	79.7	94.1	46.8	67.4	70.2	66.5	70.4	66.4	65.9	67.3	66.3	68.
Fabricated metal products	332	6.13	77.4	85.7	65.1	69.3	72.6	75.6	73.7	74.8	75.8	76.2	76.1	77.
Machinery	333	5.34	78.3	87.2	61.1	66.8	71.5	72.8	72.8	72.7	72.7	73.0	74.8	75.
Computer and electronic products	334	7.56	78.2	84.7	68.0	71.7	73.6	73.7	73.5	74.1	73.9	73.2	73.0	73.
Electrical equip., appliances,	554	7.50	10.2	04.7	08.0	/1./	75.0	13.1	75.5	/4.1	13.9	13.2	75.0	73.
and components	335	1.93	83.0	93.0	70.4	74.4	76.9	77.3	76.8	76.7	77.9	77.1	79.5	80.
Motor vehicles and parts	3361–3	5.59	75.8	87.6	35.8	57.6	59.4	63.5	60.2	66.1	62.0	62.3	63.3	59.
Aerospace and miscellaneous	5501-5	5.39	15.0	87.0	55.8	57.0	39.4	05.5	00.2	00.1	02.0	02.5	03.5	39.
	2264 0	4.24	72.0	60.0	(())	71.5	70.8	70.0	70.2	70.0	71.0	70.0	70.6	71
transportation equipment	3364-9	4.34	72.9	68.8	66.3	71.5		70.9	70.3	70.8 70.4	71.0	70.8		71.
Furniture and related products	337	1.40	78.0	82.6	64.6	66.3	69.7	70.2			69.8	70.4	70.6	71.
Miscellaneous	339	3.56	76.1	80.7	68.4	69.4	70.2	69.4	69.5	70.1	69.1	69.2	69.5	70.
Nondurable manufacturing		33.67	81.3	86.1	70.1	73.7	74.7	75.4	74.7	74.9	75.5	75.7	75.7	76
Food, beverage, and tobacco products	311,2	10.72	81.4	85.8	73.6	76.9	78.0	79.1	78.2	78.2	79.6	79.6	80.0	79.
Textile and product mills	313,4	.87	81.0	92.5	57.3	64.9	66.8	69.0	67.0	68.9	68.9	69.1	69.2	67.
Apparel and leather	315,6	.36	78.6	87.3	65.8	74.7	75.5	76.9	75.9	75.4	78.5	76.9	79.6	79.
Paper	322	2.46	87.2	92.6	69.7	76.9	78.0	78.0	78.4	78.2	77.7	78.0	77.3	78.
Printing and support	323	2.01	82.8	85.7	63.4	63.4	65.0	65.1	65.2	64.6	65.8	64.8	64.6	65.
Petroleum and coal products	324	1.91	86.1	91.0	74.8	79.4	84.5	85.9	84.7	86.8	85.9	85.1	84.6	85.
Chemical	325	12.12	78.1	81.9	67.5	74.5	73.8	74.2	73.5	73.4	73.9	75.1	74.9	75.
Plastics and rubber products	326	3.22	82.6	92.7	57.3	63.3	65.9	65.9	65.5	66.2	66.2	65.4	65.6	66.
Other manufacturing (non-NAICS)	1133,5111	3.79	83.8	83.2	68.0	68.4	68.4	67.3	68.2	68.0	67.7	66.3	66.0	65.
Mining	21	10.24	87.4	88.9	79.6	83.2	85.5	87.8	85.2	86.3	88.1	89.0	88.8	88.
Utilities	2211,2	10.34	86.7	93.3	77.6	81.6	79.2	81.1	81.5	82.1	81.1	80.0	76.9	78.
Selected bick technology industries		4.13	70.2	86.8	67.0	72.6	72.0	72.2	72.6	72 7	72 /	72.6	71.7	71.
Selected high-technology industries Computers and peripheral equipment	3341	4.13	78.3 78.0	86.8	67.0	72.6 77.3	73.9 77.4	73.2 80.3	73.6 78.2	73.7 79.7	73.4 80.4	72.6 80.8	80.9	/1.
Computers and peripheral equipment	3341	.94	76.4	87.0	73.4	77.3	81.5	80.3 80.6	82.3	79.7 81.1	80.4 80.5	80.8 80.4	80.9	81. 80.
Semiconductors and related	5542	.93	/0.4	05.0	15.4	/ 0.0	01.3	60.0	02.3	01.1	00.5	60.4	00.2	oU.
electronic components	334412-9	2.26	80.5	92.4	61.8	68.8	69.9	68.2	68.9	68.9	68.5	67.1	65.4	65.
Measures excluding selected high-technology industries														
Total industry		95.87	80.8	85.0	68.1	72.5	73.8	75.0	74.2	74.8	75.0	75.1	75.0	75.
Manufacturing <sup>1</sup>		75.28	79.3	84.5	65.2	69.8	71.4	72.2	71.6	72.2	72.2	72.3	72.6	72.
STAGE-OF-PROCESS GROUPS														
Crude		13.87	86.5	90.0	78.3	83.3	84.9	87.1	84.6	85.7	87.1	88.4	88.2	88.
Primary and semifinished		46.13	81.6	90.0 87.9	65.7	69.8	71.2	72.0	72.0	72.2	72.0	71.6	70.9	71.
Finished		40.13	77.5	87.9	67.5	72.0	73.1	72.0	72.0	73.9	72.0	71.0	70.9	71.
1 misneu		40.00	11.3	00.5	07.5	12.0	13.1	/4.0	13.2	13.9	74.0	/4.1	/4.0	74.

## Table 7 CAPACITY UTILIZATION Percent of capacity, seasonally adjusted

r Revised. p Preliminary. 1. Refer to note on cover page.

## Table 8 INDUSTRIAL CAPACITY Percent change

			nnual rate		Fourth	quarter t	o fourth q	luarter		Annua	l rate		Monthly rate
Item	1972-	1980-	1989-	1995-					2010				2010
	79	88	94	2010	2007	2008	2009	2010	Q1	Q2	Q3	Q4	Nov.
Total industry	3.1	1.9	2.3	2.6	1.7	.8	.5	3	7	6	2	.2	.0
Manufacturing <sup>1</sup>	3.3	2.2	2.5	2.9	2.4	.5	-1.2	2	8	3	.0	.2	.0
Mining	.7	.0	8	1	.9	1.5	3.0	.0	2	4	.0	.7	.1
Utilities	4.2	2.1	1.8	2.2	.6	2.2	3.1	1.5	2.2	1.5	1.1	1.0	.1
Selected high-technology industries	19.5	17.3	15.8	22.0	27.2	.3	7.7	11.4	13.3	11.8	10.5	10.0	.8
Manufacturing <sup>1</sup> ex. selected													
high-technology industries	2.6	1.3	1.6	1.2	1.0	.5	-1.7	8	-1.4	9	5	3	.0
STAGE-OF-PROCESS GROUPS													
Crude	1.6	.4	5	.2	.6	1.5	2.6	8	8	-1.1	8	2	.0
Primary and semifinished	3.0	1.4	2.5	3.0	3.0	.6	7	6	8	6	5	4	.0
Finished	3.9	3.3	2.7	2.7	1.3	.8	7	.9	.1	.8	1.2	1.4	.1

1. Refer to note on cover page.

## Table 9 GROSS VALUE OF FINAL PRODUCTS AND NONINDUSTRIAL SUPPLIES Billions of 2005 dollars at annual rate, seasonally adjusted 2010

			2010			2010					
Item	2005	2009	Q1	Q2 <sup>r</sup>	Q3 <sup>r</sup>	Juner	July <sup>r</sup>	Aug. <sup>r</sup>	Sept. <sup>r</sup>	Oct.r	Nov. <sup>p</sup>
Final products and nonindustrial supplies	3,336.9	3,056.8	3,149.9	3,210.4	3,267.1	3,232.2	3,276.5	3,267.3	3,257.7	3,247.4	3,248.0
Final products	2,477.7	2,324.8	2,410.1	2,455.0	2,512.7	2,475.3	2,521.1	2,511.7	2,505.3	2,501.6	2,493.8
Consumer goods	1,853.6	1,724.0	1,791.3	1,811.1	1,855.4	1,826.8	1,865.6	1,854.9	1,845.7	1,835.6	1,823.1
Durable	513.7	380.1	424.9	434.8	450.9	436.6	464.2	444.8	443.7	447.1	432.3
Automotive products	306.7	221.8	266.1	269.6	286.2	271.9	298.1	280.3	280.2	283.0	265.4
Other durable goods	207.0	158.2	159.2	165.6	165.4	165.2	167.0	165.0	164.1	164.8	167.1
Nondurable	1,339.8	1,334.0	1,357.1	1,367.5	1,396.1	1,380.9	1,394.3	1,400.9	1,392.9	1,380.3	1,381.1
Equipment, total	624.1	599.9	617.8	643.6	656.9	648.2	654.7	656.3	659.6	666.6	672.0
Business and defense	600.7	585.8	601.0	625.0	638.5	630.0	636.6	637.9	641.1	648.1	653.5
Business	520.8	487.6	500.9	523.8	536.4	530.2	534.5	535.6	539.0	545.8	549.5
Defense and space	79.9	96.4	98.3	99.6	100.7	98.4	100.5	100.8	100.7	101.0	102.5
Nonindustrial supplies	859.2	734.0	743.0	758.4	758.3	760.2	759.4	759.4	756.2	749.9	757.8
Construction supplies	270.1	205.8	207.3	217.6	216.1	217.9	215.3	216.8	216.3	217.0	219.3
Business supplies	589.1	528.5	536.0	541.0	542.4	542.4	544.3	542.7	540.1	532.9	538.6
Commercial energy products	210.9	211.0	215.3	216.7	216.9	218.2	218.7	216.7	215.2	208.5	212.1

r Revised. p Preliminary.

### Table 10 GROSS-VALUE-WEIGHTED INDUSTRIAL PRODUCTION: STAGE-OF-PROCESS GROUPS

Percent change, seasonally adjusted

			rth quarte											
		fo	urth quar	ter	A	Annual r	ate			Montl	ıly rate			Nov. '09
Item	2009				2010			2010						to
	gross value1	2007	2008	2009	Q1	Q2 <sup>r</sup>	Q3 <sup>r</sup>	June <sup>r</sup>	July <sup>r</sup>	Aug. <sup>r</sup>	Sept. <sup>r</sup>	Oct.r	Nov. <sup>p</sup>	Nov. '10
Finished	1795.3	1.5	-8.9	-2.0	7.7	8.6	8.1	3	1.6	1	.3	.8	7	6.3
Semifinished	1497.9	2.2	-9.7	-7.3	6.9	7.9	6.1	1.0	1.0	4	9	4	.4	4.3
Primary	1249.9	4.0	-8.3	-2.2	6.8	6.3	2.9	1	.7	8	.4	-2.1	1.7	4.1
Crude	604.2	3.0	-9.1	2.3	7.9	4.1	8.6	.3	.9	1.3	1.8	5	.9	6.7

r Revised. p Preliminary.

1. Billions of 2005 dollars.

100         100 <th>Seasonally adjusted Year</th> <th>Jan.</th> <th>Feb.</th> <th>Mar.</th> <th>Apr.</th> <th>May</th> <th>June</th> <th>July</th> <th>Aug.</th> <th>Sept.</th> <th>Oct.</th> <th>Nov.</th> <th>Dec.</th> <th>Q1</th> <th>Q2</th> <th>Q3</th> <th>Q4</th> <th>Annual</th>	Seasonally adjusted Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Q1	Q2	Q3	Q4	Annual
change?         unit         unit <thunit< th="">         unit         unit         &lt;</thunit<>	Icai	Jan.	100.	Iviai.	дрі.	Widy	June	July	Aug.	Sept.	000	100.	Dec.	QI	Q2	Q3	QŦ	Annuar
jyss         0         4         3         5         -1         2         .4         5         2         4         13         55         199         55         199         54         10	ч.,																	
1990         3         -4         3         0         -7         0         -9         -2         -1         3         6         16         -62         51         50         10           1990         -4         -8         -5         2         2         10         10         0         12         2         3         -1         20         25         14         25         15         41         10           1991         -5         -5         -7         -4         14         3         -4         -7         20         7         4         10         10         10         11         20         21         23         10         31         22         33         30         4         20         21         33         30         11         10         31         22         30         30         11         30         31         33         31         30         31         30         31         30         31         30         31         30         31         30         31         30         31         30         31         30         31         30         31         30         31         30	0,	0	4	3	5	- 1	2	1	5	- 4	5	2	4	35	35	19	2.9	52
1991         4         -5         5         2         1         0         0         1         9         2         1         -5         2         7         4         7         1         25         8         6         1         25         3         0         1         5         3         0         1         5         3         0         1         5         6         7         2         8         6         1         3         5         1         1         20         3         3         4         2         3         6         2         8         6         1         3         0         1         1         20         3         3         4         3		.3																
1992         -6         8         8         7         3         0         9         -5         2         7         4         0         4         7         1         28         40         23           1993         5         3         0         11         3         -4         2         3         0         4         14         5         35         11         20         5         35           1996         -6         1.6         -2         3         7.7         9         -1         7.7         6         0         8         6         9.0         10         12         13         14         17.2         13         3         14         14         14         17.2         14         13         13         15         3         44         30         30         34         43           2001         -1         4         4         6         2         7         -6         -4         -3         -5         5         0         5         -5         13         40           2001         -1         4         1         2         -1         3         3         -1         0																		
1993       5       3       0       3       -4       2       3       0       4       8       4       5       3.5       1.1       2.0       6.2       3.3         1996       -5       0       1.1       3.5       4.7       7.2       4       2       8       6       1.1       5.3       7.4       8.4       7.4																		
1994         4         0         11         5         6         7         2         6         2         8         6         11         52         13         8         6         11         52         13         81         54         55         14         55         14         55         14         55         14         55         14         55         14         55         14         55         14         55         14         55         14         12         23         25         64         14         23         7         7         13         3         81         45         30         30         54         54         53	1992	0	.8	.8	./	.3	.0	.9	5	.2	./	.4	.0	4	/.1	2.8	4.0	2.8
1995         3         0         2         -1         2         3         -4         14         4         -2         2         4         5         1         0         3         4         4           1996         -6         16         2         8         0         7         9         3         0         7         9         3         1         8         4         4         4           1997         5         4         1         1         4         7         -6         2         1         -7         -6         -3         -2         -6         -4         -3         -3         -5         0         -5         -5         28         6.5         -5         -2         -3         -2         -1         -3         -5         -5         -2         28         6.5         -3         -2         -1         -3         -5         -5         -2         26         18         8         5         27         32         33         4         1         -1         -2         -3         -2         -1         1         -2         -1         2         20         10         10         10	1993	.5	.3	.0	.3	4	.2	.3	.0	.4	.8	.4	.5	3.5	1.1	2.0	6.2	3.3
1996       -6       16       -7       8       7       9       -1       7       6       9       8       6       13       8.1       8.1       8.1       6.4       9.6       101       72         1998       5       1       1       4       7       -6       -4       2.1       -3       1.7       3.1       3.4       4.5       3.0       3.0       7.4       4.3         2000       -1       -4       -4       -3       -5       -5       0.0       4.7       4.6       4.3       3.3       -5       5																		
1997       .1       1.2       .8       .0       .7       .5       .6       1.3       .9       .7       .9       .3       7.8       .64       .9.6       10.1       7.2         1998       .5       .1       .1       .4       .7       .6       .4       .21       .3       .7       .1       .3       .45       .30       .30       .5.4       .5       .9       .3       .2       .7       .4       .3       .3       .5       .5       .6       .4       .3       .3       .5       .5       .5       .6       .4       .3       .3       .5       .5       .2       .5       .5       .2       .5       .5       .7       .4       .3       .3       .5       .5       .5       .7       .9       .7       .2       .1       .4       .5       .1       .5       .7       .2       .1       .1       .4       .5       .1       .2       .0       .1       .4       .5       .1       .5       .7       .7       .2       .1       .4       .5       .1       .5       .7       .7       .2       .1       .1       .4       .1       .1       <																		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																		
1999       5       4       2       2       8       -2       -6       4       -3       13       5       8       41       3.9       3.9       7.4       4.3         2000       -7       -6       -3       -2       -7       -6       -4       -3       -3       -5       -5       0       5.6       -5.0       5.6       -4.6       -3.3       2         2003       7       -4       -1       -8       0       0       4       -1       6       0       8       -1       2.6       5       2.6       5       2.3       -3       1.3         2004       2       5.7       0       0       2       3       -1       0       1.4       4.8       5.6       2.7       9.2       2.7       2.6       1.8       8.4       5.6       1.2       2.3       -1       1.4       1.2       -2       0       4       -7       4       1       4.3       3.4       3.0       2.1       6       5       9.7       7.2       2.7       7.2       2.7       7.2       2.7       7.2       2.7       7.2       2.7       7.2       2.7       7.2       2.2 <td></td>																		
2000         1         4         4         6         2         1         -2         2         5         -4         0         4         47         4.7         -5         -1.1         4.3           2002         -6         0         -8         4         -5         9         -3         -2         1         -3         5         -5         2.8         6.5         2.3         -3         3         2           2003         -7         -4         -1         -8         0         0         4         -1         2.9         1.0         2.6         1.8         5         7.3         3         3         3         -1         0         -2         1.0         -2         1.0         -2         1.0         -2         1.0         -2         1.0         -3         -2         -3         -3         -3         -3         -1         1.0         -1         1.0         3.3         3         -7         0         -7         -7         7         7         7         1.5         3.3         3         -7         0         -7         1.7         7         7         1.7         7         7         7         1.7																		
2001         -7         -6         -3         -2         -7         -6         -4         -3         -3         -5         -5         -5         -5         -5         -5         -5         -5         -5         -5         -5         -5         -5         -5         -5         -5         -5         -7         -2         -1         -3         -7         -2         -1         -3         -2         -3         -2         -1         -3         -2         -3         -2         -3         -2         -3         -2         -2         -1         -3         -2         -3         -2         -3         -2         -2         -1         -3         -3         -2         -2         -1         -3         -3         -2         -2         -3         -3         -2         -3         -														1				
			6	3		7	6	4	3							-5.6		
	2002	.6	.0	.8	.4	.5	.9	3	.2	.1	3	.5	5	2.8	6.5	2.3	3	.2
	2003	.7	.4	1	8	.0	.0	.4	1	.6	.0	.8	1	2.9	-3.0	2.2	3.6	1.3
	2004	.2	.6	5	.5	.7	9	.7	.2	1	.9	.2	.7	2.6	1.8	1.8	5.6	2.3
2007      4       1.1       .1       .7       .0      1       .2       0       .4      7       .4       .1       4.3       4.5       1.0      7       2.7         2008      3      2      4       0       -1.2       4.0       1.0       -10       -20       -16       -59       -9.7       -13.0       -3.3         2010       1.0       .0       .6       .5       1.2       .1       .8       2       .1      2       .4       .1.0       -2.0       .1.6       .5       9.9       9.7       .1.30       .3.3         2010       10.0       9.9       99.6       98.8       98.0       98.0       98.0       98.0       99.9       99.9       98.4       95.9       92.6       96.7       92.9       94.6       98.2       95.9       92.6       96.6       92.7       93.6       92.9       90.6       92.9       94.6       98.2       98.9       98.6       88.0       80.0       98.0       98.7       93.5       93.9       90.6       92.9       94.6       98.1       94.1       124.3       124.3       124.3       124.3       124.3       124.3       124.3														1				
2008        3        2        3        5        4         .0         -1.2         4.0         1.0         -1.0         -2.0         -1.6         -5.9         -9.7         -1.30         -3.3           2009         -2.1         1.8         1.2         7.         3.5         5         5         17.6         -10.3         8.3         7.0         933           PI         (0.07-100)         9.9         9.9.5         9.8.8         98.0         98.0         96.8         93.0         92.9         91.0         99.9         98.4         95.9         92.6         96.7           2009         10.1         90.5         90.5         91.0         91.5         92.6         92.6         93.4         93.6         93.7         93.5         93.9         90.6         92.2         93.6         87.7           2010         90.5         90.5         91.0         91.5         92.6         92.6         92.6         92.6         92.6         92.7         124.1         124.2         124.3         124.7         124.8         123.8         124.7         124.8         123.8         124.7         124.8         123.8         124.7         124.8         124.8																		
2009         -2.1         1.4         1.2         7.         3.5         5.5         1.76         -10.3         8.3         7.0         9.3           2010         1.0         0.         6.5         5.2         1.4         3.2         1.4         7.2         2.4         7.1         7.2         5.9         9.0           2009         10.0         1.99.9         99.6         98.8         98.0         98.0         95.8         92.9         91.0         99.9         98.4         95.9         92.6         96.7           2009         89.1         98.5         87.2         88.5         88.6         89.1         89.6         88.2         85.9         87.6         87.7           2010         90.5         90.5         91.0         91.5         92.6         92.6         93.4         93.6         93.7         93.5         93.9         90.6         92.2         93.6         87.7           2000         125.1         125.4         124.9         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8	2007	+	1.1	.1	.,	.0	1	.2	.0	.+	/	.+	.1		4.5	1.0	/	2.7
2010         1.0         .0         .6         .5         1.2         .1         .8         .2         .1        2         .4         7.1         7.2         5.9           PI (2007=100)         99.9         99.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.9         98.4         99.6         96.7         98.0         98.9         98.9         98.9         98.9         98.0         98.9         98.9         98.9         98.0         98.9         98.9         98.0         98.0         98.0         98.9         98.9         98.0         98.0         98.9         98.9         98.0         98.0         98.0         98.0         98.1         89.0         98.0         98.0         98.0         98.0         98.0         98.0         98.0         98.0         98.0																		
IP (2007=100)         100         199.9         99.6         98.8         98.3         98.0         96.8         93.0         93.0         92.9         91.0         99.9         98.4         95.9         92.6         95.7           2010         90.5         89.5         81.7         85.5         86.6         85.7         87.8         88.4         88.6         89.7         93.5         93.9         89.6         82.8         95.9         92.6         93.7         93.5         93.9         89.6         82.2         93.6         87.7         87.8         88.9         83.0         93.6         93.7         93.5         93.9         90.6         92.2         93.6         87.7           (parcent of 2007 comput)         125.0         125.1         125.2         125.4         125.4         125.4         125.4         125.4         125.4         125.1         125.0         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         125.4         125.1         125.1         125.4         125.1         125.0         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8 <td></td> <td>.5</td> <td></td> <td></td> <td></td> <td>7.0</td> <td>-9.3</td>													.5				7.0	-9.3
2008         100.1         99.9         99.6         98.3         98.0         96.8         93.0         93.9         92.9         91.0         99.9         98.4         95.9         92.6         98.7           2010         90.5         90.5         91.0         91.5         92.6         92.6         93.4         93.6         93.7         93.5         93.9         90.6         92.2         93.6         87.7           Capacity (percent of 2007 output)         22.0         123.7         123.8         123.8         123.9         124.2         124.1         124.2         124.3         124.5         125.2         125.1         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.2         125.1         125.4         125.4         125.4         125.4         125.4         125.2         125.3         125.2         125.3         125.2         125.3         125.2         125.3         125.2         125.3         125.2         125.3         125.4         125.4         125.4         125.4         125.4         125.4         125.2         125.3         125.2         125.3         125.2         125.3         125.2         125.3	2010	1.0	.0	.0	.5	1.2	.1	.0	.2	.1	2	.+		/.1	7.2	5.7		
2009         89.1         88.5         87.2         86.5         85.7         85.5         86.7         87.8         88.4         88.6         89.1         89.6         88.2         85.9         87.6         89.1         87.7           2010         90.5         90.5         91.0         91.5         92.6         92.6         93.7         93.5         93.9         90.6         92.2         93.6         89.1         87.7           2007         01001         23.7         123.8         123.8         123.9         124.0         124.1         124.2         124.3         124.5         125.2         125.1         125.4	· · · · · · · · · · · · · · · · · · ·	100.1	00.0	00.6	00.0	00.0	00.0	22.0	0.6.0	02.0			01.0		00.4	05.0	00	067
2010         90.5         90.5         91.0         91.5         92.6         92.6         93.4         93.6         93.7         93.5         93.9         90.6         92.2         93.6           Capacity (porcent of 2007 output)         223.7         123.8         123.9         124.0         124.1         124.2         124.3         124.7         124.8         123.9         124.2         124.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         125.4         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         125.0         125.0         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         124.8         125.0         125.0         124.8         124.8         125.9         125.0         125.1         125.2         125.1         125.2																		
(pricent of 2007 output)         123         123.8         123.9         123.9         124.0         124.1         124.2         124.3         124.5         124.7         124.8         123.8         123.9         124.2         124.1           2009         125.0         125.1         125.2         125.3         124.9         124.4         124.4         124.8													07.0				07.1	07.7
2009         125.0         125.1         125.2         125.1         125.2         125.1         125.1         125.4	(percent of 2007 output)																	
2010         125.1         125.0         125.0         124.9         124.8																		
Utilization (percent)         Vilization (percent)         Vilizati													123.2	1			123.2	125.5
(premen)         1988         83.4         83.6         83.8         84.2         84.1         84.3         84.4         84.7         84.4         84.7         84.4         84.7         84.8         84.9         84.2         84.2         84.3         83.0         83.1         83.1         83.1         83.1         82.9         82.9         83.0         82.2         84.9         84.2         84.2         84.1         83.0         83.1         82.9         82.9         83.0         82.2         81.1         80.4         80.4         80.3         79.9         79.3         79.5         80.3         80.7																		
1988         83.4         83.6         83.8         84.2         84.1         84.3         84.4         84.7         84.4         84.8         84.8         85.1         83.6         84.2         84.5         84.9         84.3           1989         85.2         84.7         84.8         84.7         84.0         83.8         82.9         83.1         83.2         84.9         84.2         83.1         83.0         83.2           1990         82.6         83.2         83.4         83.1         83.1         83.1         83.1         83.0         83.0         83.2         81.1         80.4         80.3         79.9         79.3         79.5         80.3         80.2         79.8           1992         79.3         79.7         80.3         80.7         80.8         80.6         81.1         80.5         80.9         81.1         81.0         79.8         80.7         80.7         80.8         80.6         81.1         81.4         81.9         82.1         82.3         81.3         81.1         81.4         81.9         82.1         82.3         83.7         83.4         83.6         83.7         83.5         83.5         83.4         83.6         83.7 <td></td>																		
1989       85.2       84.7       84.8       84.7       84.0       83.8       82.9       83.5       83.1       82.8       82.9       83.2       84.9       84.2       83.1       83.0       83.8         1990       79.9       79.3       79.7       80.3       80.1       80.1       80.1       80.1       80.1       80.4       83.0       83.1       82.9       83.0       83.2       81.1       80.4       83.0       83.1       82.9       81.2       81.1       80.4       83.0       83.1       82.9       81.2       81.1       80.4       83.0       83.1       82.9       81.2       81.1       80.7       80.4       80.3       79.9       79.3       79.7       80.3       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.5       80.9       81.1       81.4       81.9       82.1       82.3       83.7       83.6       83.8       83.8       84.2       84.4       85.1       82.6       83.5       83.7       84.4       83.1       82.6       83.6       83.7       83.4       83.4       83.4		83.4	83.6	83.8	84.2	84.1	84.3	84.4	84.7	84.4	84.8	84.8	85.1	83.6	84.2	84.5	84.9	84.3
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$																		
1992       79.3       79.7       80.3       80.7       80.8       80.6       81.1       80.5       80.9       81.1       81.0       79.8       80.7       80.7       81.0       80.5         1993       81.2       81.4       81.2       81.4       81.0       81.1       81.2       81.1       81.4       81.9       82.1       82.3       81.3       81.1       81.2       82.1       81.4         1994       82.5       82.3       83.0       83.2       83.4       83.7       83.6       83.8       84.2       84.4       85.1       82.6       83.5       83.7       84.6       83.5       84.1         1995       85.0       84.7       84.6       84.2       84.0       83.3       84.2       84.2       83.6       83.5       83.5       84.8       84.1       83.9       83.5       84.1         1996       82.6       83.4       84.0       84.0       83.3       83.8       83.4       83.7       83.3       83.6       83.7       83.3       83.6       83.7       83.3       83.6       83.7       83.3       83.6       83.7       83.3       83.6       83.7       83.3       83.6       83.7 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></td<>														1				
1993         81.2         81.4         81.2         81.1         81.2         81.1         81.4         81.9         82.1         82.3         81.3         81.1         81.4         81.9         82.1         82.3         81.3         81.1         81.4         81.9         82.1         82.3         81.3         81.1         81.4         81.9         82.1         82.3         81.1         81.2         81.4         81.3         81.1         81.4         81.9         82.1         82.3         81.1         81.2         81.4         83.9         83.4         83.6         83.8         83.8         83.4         83.5         83.5         83.9         83.4         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7         83.3         83.6         83.7 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																		
1994       82.5       82.3       83.0       83.2       83.4       83.7       83.6       83.8       84.2       84.4       85.1       82.6       83.5       83.7       84.6       83.6         1995       82.6       83.6       83.1       83.4       84.2       84.2       84.2       83.6       83.5       83.5       84.8       84.1       83.9       83.6       83.1         1996       82.6       83.6       83.1       83.4       83.5       83.9       83.4       83.6       83.7       83.3       83.6       83.7       83.1       83.6       83.6       83.7       83.1       83.6       83.6       83.7       83.8       84.7       84.7       84.7       84.7       84.7       84.7       83.9       83.4       84.2         1997       84.4       84.1       83.6       83.4       83.8       83.8       84.7       84.7       84.7       84.7       84.7       84.7       84.7       84.7       83.9       83.8       84.2       84.7       84.7       83.9       83.8       84.2       84.7       84.7       84.8       84.2       84.2       84.7       84.7       84.8       84.2       84.8       84.2 <t< td=""><td>1772</td><td>17.5</td><td>12.1</td><td>00.5</td><td>00.7</td><td>00.0</td><td>30.0</td><td>01.1</td><td>00.5</td><td>00.5</td><td>00.7</td><td>01.1</td><td>01.0</td><td>12.0</td><td>00.7</td><td>00.7</td><td>01.0</td><td>00.5</td></t<>	1772	17.5	12.1	00.5	00.7	00.0	30.0	01.1	00.5	00.5	00.7	01.1	01.0	12.0	00.7	00.7	01.0	00.5
1995       85.0       84.7       84.6       84.2       84.0       83.3       84.2       84.2       83.6       83.5       83.5       84.8       84.1       83.9       83.5       84.1         1996       82.6       83.6       83.1       83.4       83.5       83.9       83.4       83.6       83.7       83.3       83.6       83.7       83.1       83.6       83.6       83.7       83.1       83.6       83.7       83.1       83.6       83.6       83.7       83.9       83.9       83.4       84.2       84.7       84.7       85.0       84.7       83.9       83.9       83.4       84.8       84.2         1998       84.5       84.1       83.6       83.4       82.5       81.7       83.0       82.3       82.5       82.0       81.9       84.1       83.1       82.3       82.1       82.0       81.5       81.1       81.9       81.4       81.6       81.7       81.1       81.9       82.0       82.3       82.0       82.3       82.1       82.2       82.0       81.5       82.0       82.1       82.2       82.0       81.5       82.0       82.1       82.2       81.8       80.3       80.3       80.3       <																		
1996       82.6       83.6       83.1       83.4       83.5       83.9       83.4       83.6       83.7       83.3       83.6       83.7       83.1       83.6       83.6       83.7       83.1       83.6       83.6       83.7       83.3       83.6       83.7       83.1       83.6       83.6       83.7       83.3       83.6       83.7       83.1       83.6       83.6       83.7       83.1       83.6       83.6       83.7       83.9       83.9       83.8       83.8       84.5       84.7       84.7       85.0       84.7       83.9       83.9       84.3       84.8       84.2         1998       84.5       84.1       83.6       83.4       82.5       81.7       81.1       81.9       82.0       82.3       82.3       82.0       82.3       82.1       82.4       82.0       81.8         2000       82.1       82.1       82.4       82.2       82.0       81.5       81.1       81.2       80.7       80.4       79.9       82.1       82.2       81.8       80.3       81.5       80.3       81.5       80.3       81.5       80.3       80.3       81.5       80.3       80.3       80.3       80.3       <																		
1997       83.4       84.0       84.2       83.8       83.9       83.8       83.8       84.7       84.7       85.0       84.7       83.9       83.9       84.3       84.8       84.2         1998       84.5       84.1       83.6       83.4       83.4       82.5       81.7       83.0       82.3       82.5       82.0       81.9       84.1       83.1       82.3       82.1       82.9         1999       81.9       81.8       81.6       81.9       81.4       81.6       81.7       81.1       81.9       82.0       82.3       81.9       81.6       81.5       82.0       81.3       80.3       81.5         2000       82.1       82.1       82.4       82.2       82.0       81.5       81.1       81.2       80.7       80.4       79.9       82.1       82.2       81.3       80.3       81.5         2001       79.1       78.4       77.9       77.5       76.8       76.1       75.6       75.1       74.7       74.2       73.6       73.5       78.5       76.8       75.1       74.7       74.2       73.6       73.5       75.6       75.1       74.7       74.2       73.6       73.5 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></td<>														1				
1999       81.9       81.9       81.8       81.6       81.9       81.4       81.6       81.7       81.1       81.9       82.0       82.3       81.9       81.6       81.5       82.0       81.8         2000       82.1       82.1       82.1       82.1       82.4       82.2       82.0       81.5       81.1       81.2       80.7       80.4       79.9       82.1       82.2       81.3       80.3       81.5         2001       79.1       78.4       77.9       77.5       76.8       76.1       75.6       75.1       74.7       74.2       73.6       73.5       78.5       76.8       75.1       73.8       75.1       75.1       75.7       75.0       75.3       75.5       75.7       75.3       75.6       75.9       75.8       75.2       75.3       75.4       75.7       75.7       76.1       76.2       76.8       76.8       75.7       75.3       75.8       76.6       75.9       75.8       75.2       75.3       75.4       75.7       75.7       76.1       76.2       76.8       76.8       75.7       75.3       75.8       76.6       75.9         2004       77.0       77.4       77.0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																		
1999       81.9       81.9       81.8       81.6       81.9       81.4       81.6       81.7       81.1       81.9       82.0       82.3       81.9       81.6       81.5       82.0       81.8         2000       82.1       82.1       82.1       82.1       82.4       82.2       82.0       81.5       81.1       81.2       80.7       80.4       79.9       82.1       82.2       81.3       80.3       81.5         2001       79.1       78.4       77.9       77.5       76.8       76.1       75.6       75.1       74.7       74.2       73.6       73.5       78.5       76.8       75.1       73.8       75.1       75.1       75.7       75.0       75.3       75.5       75.7       75.3       75.6       75.9       75.8       75.2       75.3       75.4       75.7       75.7       76.1       76.2       76.8       76.8       75.7       75.3       75.8       76.6       75.9       75.8       75.2       75.3       75.4       75.7       75.7       76.1       76.2       76.8       76.8       75.7       75.3       75.8       76.6       75.9         2004       77.0       77.4       77.0 <t< td=""><td>1009</td><td>945</td><td>94.1</td><td>92.6</td><td>92.4</td><td>92.4</td><td>90 F</td><td>917</td><td>82.0</td><td>02.2</td><td>92 F</td><td>82.0</td><td>91.0</td><td>94.1</td><td>92.1</td><td>on 2</td><td>92.1</td><td>82.0</td></t<>	1009	945	94.1	92.6	92.4	92.4	90 F	917	82.0	02.2	92 F	82.0	91.0	94.1	92.1	on 2	92.1	82.0
2000         82.1         82.1         82.1         82.4         82.2         82.0         81.5         81.1         81.2         80.7         80.4         79.9         82.1         82.2         81.3         80.3         81.5           2001         79.1         78.4         77.9         77.5         76.8         76.1         75.6         75.1         74.7         74.2         73.6         73.5         78.5         76.8         75.1         73.8         75.1         75.1         75.0         75.1         75.2         75.0         75.3         75.0         75.3         75.0         75.7         75.3         75.0         75.7         75														1				
2002       73.8       73.7       74.1       74.4       74.7       75.3       75.0       75.1       75.2       75.0       75.3       75.0       73.9       74.8       75.1       75.1       74.7         2003       75.6       75.9       75.8       75.2       75.3       75.7       76.1       76.2       76.8       76.8       75.7       75.3       75.8       75.6       75.9         2004       77.0       77.4       77.0       77.4       78.0       77.3       77.8       78.0       78.7       78.9       79.4       77.1       77.6       78.0       77.9       77.9       77.9       77.9       77.9       77.9       77.9       77.9       77.9       77.9       77.9       77.9       77.9       78.0       78.7       78.7       78.9       79.4       77.1       77.6       78.0       77.9       79.9       79.4       77.1       77.6       78.0       79.0       77.9       79.5       80.3       80.6       80.1       80.4       79.0       79.7       79.5       80.3       80.6       80.8       80.9       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       80.7       <																		
2003         75.6         75.9         75.8         75.2         75.3         75.4         75.7         76.1         76.2         76.8         76.8         75.7         75.3         75.8         76.6         75.9           2004         77.0         77.4         77.0         77.4         78.0         77.3         77.8         78.0         78.7         78.9         79.4         77.1         77.6         78.0         79.9           2005         79.8         80.3         80.2         80.2         80.4         80.5         80.4         80.4         78.7         79.5         80.3         80.6         80.1         80.4         79.8         80.3         80.2         80.2         80.4         80.4         80.4         78.7         79.5         80.3         80.6         80.4         79.8         80.1         80.4         79.8         80.1         80.1         80.1         80.1         80.1         80.4         79.8         80.3         80.6         80.8         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.1         81.5         81.4<														1				
2004         77.0         77.4         77.0         77.4         78.0         77.3         77.8         78.0         78.7         78.9         79.4         77.1         77.6         78.0         77.9           2005         79.8         80.3         80.2         80.2         80.4         80.5         80.4         80.4         78.7         79.5         80.3         80.6         80.1         80.4         79.8         80.3         80.4         79.8         80.3         80.4         79.8         80.3         80.6         80.1         80.4         79.8         80.1         80.1         80.1         80.4         79.8         80.1         80.1         80.1         80.1         80.1         80.1         80.1         80.4         79.8         80.1         80.1         80.1         80.1         80.1         80.4         79.8         80.1         80.1         80.1         80.4         80.4         80.4         80.4         80.4         80.4         80.4         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.1         81.5         81.3         81.3         81.3         81.3         81.3         81	2002	73.8	73.7	74.1	74.4	74.7	75.3	75.0	/5.1	75.2	75.0	75.3	75.0	73.9	/4.8	75.1	/5.1	74.7
2005       79.8       80.3       80.2       80.4       80.5       80.4       80.7       79.5       80.3       80.6       80.1       80.4       79.8       80.1         2006       80.6       80.5       80.6       80.8       80.6       80.9       81.0       81.0       80.8       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       81.0       80.6       80.3       80.7       80.7       80.7       80.7       81.4       81.3       81.3       81.4       81.3       81.4       81.3       81.4       81.2       81.2       81.1       81.7       81.4       81.3       81.3         2008       80.9       80.7       80.5       79.8       <																		
2006         80.6         80.5         80.6         80.8         80.6         80.9         81.0         81.0         80.8         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.0         80.6         80.3         81.1         81.5         80.7         80.7         80.7         80.7         80.7         80.7         80.7         80.7         71.3         81.3         81.3         81.3         81.5         81.4         81.3         81.3         81.5         80.9         81.2         81.2         81.1         81.5         81.4         81.3           2008         80.9         80.7         79.8         79.4         79.0         79.0         70.7         70.7         71.1         71.6         70														1				
2007         80.6         81.3         81.7         81.6         81.3         81.4         81.3         81.5         80.9         81.2         81.1         81.5         81.4         81.3           2008         80.9         80.7         80.5         79.8         79.4         79.0         77.9         74.8         75.4         74.5         72.9         80.7         79.4         77.2         74.3         77.9           2009         71.3         70.7         69.6         69.0         68.3         68.2         69.1         70.0         70.5         70.7         71.1         71.6         70.5         68.5         69.9         71.1         70.0																		
2008         80.9         80.7         80.5         79.8         79.4         79.0         77.9         74.8         75.4         74.5         72.9         80.7         79.4         77.2         74.3         77.9           2009         71.3         70.7         69.6         69.0         68.3         68.2         69.1         70.0         70.5         70.7         71.1         71.6         70.5         68.5         69.9         71.1         70.0																		
2009 71.3 70.7 69.6 69.0 68.3 68.2 69.1 70.0 70.5 70.7 71.1 71.6 70.5 68.5 69.9 71.1 70.0																		
													/1.0				/1.1	70.0
1. Quarterly changes are at annual rates. Annual changes are calculated from annual averages																		

### Table 11 HISTORICAL STATISTICS FOR INDUSTRIAL PRODUCTION, CAPACITY, AND UTILIZATION: Total Industry Seasonally adjusted Seasonally adjusted

1. Quarterly changes are at annual rates. Annual changes are calculated from annual averages.

Seasonally adjusted Year	Jan.	Feb.	Mar.	Apr	May	June	July	Ang	Sont	Oct.	Nov.	Dec.	Q1	Q2	Q3	Q4	Annual
Teal	Jall.	reb.	Ivial.	Apr.	wiay	Julle	July	Aug.	Sept.	001.	INOV.	Dec.	QI	Q2	Q3	Q4	Allilual
IP (percent																	
change) <sup>2</sup>	2	-	2	0					-	ź	2		2.6		1.0		5.0
1988	2	.2 9	.3	.8 .1	1 9	.1	.1 -1.1	.1 .9	.3	.6 2	.3 .2	.4	2.6	4.5 -3.0	1.2 -3.0	4.5	5.3
1989 1990	.8	9 1.4	1	3	9	.1	-1.1	.9	2	2 8	-1.2	.1 8	4.5	-3.0	-3.0	.6 6.8-	.8
1991	8	6	7	.3	.7	1.1	.2	.2	1.1	2	2	1	-8.8	2.0	7.3	1.7	-2.0
1992	6	.9	1.0	.5	.6	.3	.9	4	.0	.6	.4	2	.6	8.1	3.9	2.8	3.6
1993	1.0	.2	2	.6	1	1	.3	1	.6	.9	.4	.5	4.4	1.6	1.2	7.0	3.5
1993	.2	.2	1.3	.0	1 .7	1	.5	1 .8	.0	1.0	.4	1.2	4.4	9.5	6.0	9.9	5.9
1995	.3	1	.2	2	.0	.4	6	1.2	.9	1	.0	.4	5.6	.4	3.0	4.1	5.2
1996	7	1.6	3	1.0	.7	1.1	.3	.6	.7	1	.8	.9	2.4	9.1	7.9	5.8	4.8
1997	.0	1.4	1.2	2	.9	.7	.4	1.6	.9	.6	1.1	.4	9.3	7.7	10.7	10.9	8.4
1998	.8	.1	1	.5	.6	7	5	2.6	3	1.0	.2	.5	6.1	2.5	3.3	7.6	6.7
1999	.3	.7	.0	.4	.9	4	.5	.7	3	1.5	.6	.7	4.6	4.4	3.6	9.0	5.0
2000	.2	.3	.7	.6	2	.2	.0	6	.5 2	4 7	3	7	5.2	4.4	7	-2.7	4.2
2001 2002	6 .5	6 .0	3 .7	2 .1	8 .7	7 1.1	3 5	7 .4	2	7	3 .5	.3 5	-6.5 3.4	-5.2 5.9	-6.1 3.1	-4.3 8	-4.0
2002		-	2					2			1.0	2		2.0	1.0		
2003 2004	.6 .0	.2 .7	.3 2	9 .5	.1 .7	.4 9	.1 .8	3 .7	.8 2	.0 1.0	1.0 1	2 .7	2.4	-2.0 3.0	1.9 3.5	4.1 5.3	1.3 2.8
2004	.0	.7	2	.2	.4	9	1	.7	-1.0	1.5	1	.0	6.6	2.2	3	5.6	4.0
2006	.7	2	1	.6	3	.3	.1	.4	.1	3	.0	1.5	3.1	1.3	1.9	1.6	2.5
2007	4	.6	.8	.7	1	.1	.4	5	.5	7	.3	.2	5.2	5.4	.7	-1.0	2.9
2008	5	5	2	-1.2	5	6	5	9	-3.2	4	-1.9	-2.6	-2.7	-8.1	-10.4	-18.0	-4.5
2009	-2.7	2	-1.7	6	8	1	1.7	1.3	.7	.1	1.0	.1	-21.0	-9.3	10.4	7.1	-11.1
2010	.9	3	1.1	.9	1.2	2	.7	.1	.1	.3	.3		6.2	9.4	4.1		
<b>IP</b> (2007=100)																	
2008	100.0	99.5	99.2	98.0	97.5	96.9	96.4	95.6	92.5	92.2	90.4	88.1	99.5	97.5	94.8	90.2	95.5
2009 2010	85.7 87.8	85.5 87.5	84.1 88.5	83.5 89.3	82.9 90.3	82.7 90.1	84.1 90.7	85.3 90.8	85.9 90.9	86.0 91.2	86.8 91.5	86.9	85.1 87.9	83.0 89.9	85.1 90.8	86.6	85.0
<b>Capacity</b> (percent of 2007 output)																	
2008	127.0	127.2	127.3	127.4	127.4	127.4	127.5	127.5	127.5	127.4	127.4	127.3	127.2	127.4	127.5	127.4	127.3
2009 2010	127.2 125.7	127.1 125.6	127.0 125.6	126.8 125.5	126.7 125.5	126.5 125.5	126.4 125.5	126.2 125.5	126.1 125.5	126.0 125.6	125.9 125.6	125.8	127.1 125.6	126.7 125.5	126.2 125.5	125.9	126.5
T 14*1* 4*																	
Utilization (percent)																	
1988	83.0	83.1	83.3	84.0	83.9	84.0	84.0	84.0	84.2	84.6	84.8	85.0	83.2	83.9	84.1	84.8	84.0
1989	85.6	84.6	84.4	84.4	83.5	83.4	82.3	82.9	82.5	82.2	82.1	82.0	84.9	83.8	82.6	82.1	83.3
1990	81.7	82.7	82.8	82.4	82.3	82.3	82.0	82.1	81.9	81.1	80.0	79.2	82.4	82.4	82.0	80.1	81.7
1991 1992	78.5 78.2	77.9 78.8	77.2 79.4	77.3 79.6	77.8 79.9	78.6 79.9	78.7 80.4	78.8 79.8	79.5 79.6	79.3 79.9	79.0 80.0	78.8 79.7	77.9	77.9 79.8	79.0 79.9	79.0 79.9	78.5 79.6
1993	80.3	80.3	80.0	80.3	80.2	79.9	80.0	79.8	80.2	80.8	81.0	81.2	80.2	80.1	80.0	81.0	80.3
1994 1995	81.2 84.6	81.1 84.2	82.0 84.0	82.4 83.6	82.7 83.2	82.7 83.2	82.8 82.4	83.2 83.0	83.1 83.3	83.7 82.8	84.0 82.4	84.6 82.4	81.4 84.3	82.6 83.3	83.0 82.9	84.1 82.5	82.8 83.3
1996	81.4	82.3	81.6	82.0	82.1	82.6	82.4	82.5	82.6	82.1	82.3	82.6	81.8	82.3	82.5	82.3	82.2
1997	82.2	82.8	83.4	82.7	82.9	82.9	82.8	83.6	83.7	83.6	83.9	83.6	82.8	82.9	83.3	83.7	83.2
1998	83.7	83.2	82.5	82.3	82.2	81.0	80.1	81.7	80.9	81.2	80.9	80.9	83.1	81.8	80.9	81.0	81.7
1999	80.7	80.9	80.5	80.4	80.8	80.1	80.2	80.3	79.7	80.6	80.7	80.9	80.7	80.4	80.1	80.7	80.5
2000	80.7	80.6	80.8	81.0	80.5	80.3	80.0	79.2	79.3	78.7	78.2	77.4	80.7	80.6	79.5	78.1	79.7
2001	76.6	76.0	75.5	75.1	74.4	73.7	73.2	72.6	72.3	71.7	71.4	71.5	76.0	74.4	72.7	71.6	73.7
2002	71.8	71.7	72.2	72.2	72.7	73.5	73.1	73.4	73.4	73.1	73.4	73.0	71.9	72.8	73.3	73.2	72.8
2003	73.5	73.6	73.8	73.2	73.2	73.5	73.7	73.5	74.1	74.1	74.9	74.8	73.6	73.3	73.7	74.6	73.8
2004	74.8	75.3	75.2	75.6	76.2	75.5	76.2	76.7	76.5	77.3	77.2	77.6	75.1	75.8	76.5	77.4	76.2
2005 2006	78.1 79.4	78.7 79.1	78.4 78.9	78.4 79.3	78.6 78.9	78.5 79.0	78.4 79.0	78.4 79.2	77.5 79.1	78.6 78.7	79.0 78.6	78.9 79.7	78.4 79.1	78.5 79.1	78.1 79.1	78.8 79.0	78.5 79.1
2007	79.2	79.5	79.9	80.3	80.0	79.9	80.0	79.5	79.7	79.0	79.1	79.2	79.5	80.1	79.7	79.0	79.6
2008	78.7	78.2	78.0	77.0	76.5	76.0	75.6	75.0	72.6	72.4	71.0	69.2	78.3	76.5	74.4	70.9	75.0
2008	67.4	67.3	66.2	65.9	65.4	65.4	66.6	67.6	68.1	68.2	69.0	69.2 69.1	67.0	65.6	67.4	68.8	67.2
2010	69.8	69.7	70.4	71.1	72.0	71.8	72.3	72.3	72.4	72.6	72.8		70.0	71.6	72.3		
1 Pafar to note on c																	

## Table 12 HISTORICAL STATISTICS FOR INDUSTRIAL PRODUCTION, CAPACITY, AND UTILIZATION: Manufacturing<sup>1</sup> Seasonally adjusted New June July Aug Sept. Oct. Nov. Dec. Q1 Q2

 1. Refer to note on cover page.

 2. Quarterly changes are at annual rates. Annual changes are calculated from annual averages.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Q1	Q2	Q3	Q4	Annual
<b>IP</b> $(percent$																	
change) <sup>2</sup>	0	4	2	4	1	2	1	5	4	5	2	4	2.0	27	1 4	27	4.4
1988	.0	.4	.2	.4	1	.2	.1	.5	4	.5	.2	.4	3.0	2.7	1.4	2.7	4.4
1989	.3	4	.3	.0	7	.0	-1.1	.9	3	2	.2	.6	1.9	-1.8	-3.4	1.0	.6
1990	7	.9	.4	2	.1	.3	2	.2	.2	8	-1.3	8	2.3	2.2	1.1	-6.7	.3
1991	4	8	6	.2	1.0	1.0	.0	.1	.9	2	2	5	-8.0	2.1	5.4	.5	-2.0
1992	8	.7	.8	.6	.2	2	.8	6	.1	.6	.3	.0	-1.9	6.1	1.7	2.9	1.9
1993	.5	.3	1	.3	4	.2	.3	1	.3	.7	.3	.5	3.1	.4	1.4	5.2	2.5
1994	.4	.0	.9	.3	.4	.6	.0	.4	.0	.6	.4	.9	4.3	5.3	3.2	5.6	4.0
1995	.2	2	1	3	.0	.1	5	1.2	.1	5	.1	.2	3.0	-1.4	1.5	.5	2.4
1996	9	1.3	4	.7	.5	.7	5	.4	.4	3	.8	.5	2	5.9	2.1	3.2	1.7
1997	1	.9	.5	3	.3	.2	.3	1.0	.7	.6	.7	.1	5.1	2.3	6.0	7.8	4.2
1998	.2	.0	.0	.2	.6	9	8	2.0	6	.5	3	.0	1.9	.9	2	2.3	3.1
1999	.2	.1	1	1	.6	5	.3	.4	5	1.2	.2	.5	.7	.4	1.0	5.4	1.1
2000	3	.0	.1	.4	1	1	5	4	.4	5	2	5	.5	1.5	-3.0	-2.6	1.0
2001	7	5	3	1	6	5	3	3	3	5	4	1	-6.1	-4.2	-4.4	-4.7	-3.9
2002	.7	.0	.8	.4	.5	.8	4	.1	.0	3	.4	7	3.0	6.2	1.5	-1.0	.3
2003	.7	.2	3	9	1	1	.3	1	.6	1	.7	1	1.5	-4.5	1.1	2.8	.2
2004	.1	.5	6	.5	.7	-1.0	.7	.1	1	1.0	.2	.7	1.8	1.9	1.3	5.3	1.7
2005	.4	.6	1	.0	.2	.3	2	.0	-2.2	1.0	1.1	.6	5.1	1.2	-2.8	1.6	2.5
2006	.0	.0	.2	.4	2	.4	.2	.2	2	1	2	1.0	3.3	2.0	1.8	.2	1.4
2007	4	1.1	.0	.6	.1	1	.2	1	.3	9	.2	.0	3.7	3.7	.8	-2.3	1.9
2008	4	3	4	9	5	3	.0	-1.2	-4.1	1.2	8	-1.9	-2.7	-6.8	-9.6	-11.7	-4.0
2009	-2.0	7	-1.6	9	-1.0	3	1.3	1.2	.7	.2	.5	.5	-16.8	-11.2	7.4	6.5	-9.2
2010	1.0	1	.6	.4	1.2	.1	.8	.2	.1	2	.4		6.8	6.7	5.9		
<b>IP</b> (2007=100)																	
2008	99.6	99.2	98.8	97.9	97.4	97.1	97.1	96.0	92.1	93.2	92.5	90.7	99.2	97.5	95.0	92.1	96.0
2009	88.9	88.2	86.9	86.0	85.2	85.0	86.1	87.1	87.7	87.9	88.3	88.8	88.0	85.4	86.9	88.3	87.2
2010	89.7	89.6	90.1	90.5	91.6	91.7	92.4	92.6	92.7	92.5	92.9	2010	89.8	91.3	92.6	2.510	0.1.2
<b>Capacity</b> (percent of 2007 output)																	
2008	123.0	123.0	123.0	123.1	123.2	123.2	123.4	123.5	123.7	123.9	124.1	124.2	123.0	123.2	123.5	124.1	123.4
2009	124.4	124.5	124.6	124.7	124.7	124.7	124.7	124.6	124.5	124.4	124.3	124.2	124.5	124.7	124.6	124.3	124.5
2010	124.0	123.9	123.8	123.7	123.6	123.5	123.5	123.4	123.4	123.4	123.4		123.9	123.6	123.4		
Utilization (percent)																	
1988	83.6	84.0	84.1	84.5	84.4	84.5	84.6	85.0	84.6	85.0	85.1	85.4	83.9	84.4			84.6
1989	85.6	85.1	85.3	85.1	84.4	84.3	83.2	83.8	02.4	00.1	00.0	00.5	05.7	04.4	84.7	85.2	
1990	82.8	83.5	83.7						83.4	83.1	83.2	83.5	85.3	84.6	83.5	83.3	84.2
		05.5	03.7	83.4	83.3	83.4	83.2	83.3	83.4 83.3	83.1 82.5	83.2 81.4	83.5 80.6					
1991	80.2	79.5	78.9	83.4 79.0	83.3 79.7	83.4 80.4	83.2 80.3						85.3	84.6	83.5	83.3	84.2 82.9
1991 1992	80.2 79.1							83.3	83.3	82.5	81.4	80.6	85.3 83.3	84.6 83.4	83.5 83.3	83.3 81.5	84.2 82.9
1992		79.5	78.9	79.0	79.7	80.4	80.3 81.0 81.4	83.3 80.2	83.3 80.9	82.5 80.6	81.4 80.4	80.6 79.9	85.3 83.3 79.5	84.6 83.4 79.7	83.5 83.3 80.4	83.3 81.5 80.3	84.2 82.9 80.0
1992 1993	79.1	79.5 79.6	78.9 80.2	79.0 80.6	79.7 80.7	80.4 80.5	80.3 81.0	83.3 80.2 80.5	83.3 80.9 80.5	82.5 80.6 81.0	81.4 80.4 81.1	80.6 79.9 81.1	85.3 83.3 79.5 79.6	84.6 83.4 79.7 80.6	83.5 83.3 80.4 80.7	83.3 81.5 80.3 81.1	84.2 82.9 80.0 80.5 81.6
1992 1993	79.1 81.4	79.5 79.6 81.5	78.9 80.2 81.4	79.0 80.6 81.5	79.7 80.7 81.1	80.4 80.5 81.2	80.3 81.0 81.4	83.3 80.2 80.5 81.2	83.3 80.9 80.5 81.4	82.5 80.6 81.0 81.9	81.4 80.4 81.1 82.1	80.6 79.9 81.1 82.4	85.3 83.3 79.5 79.6 81.4	84.6 83.4 79.7 80.6 81.3	83.5 83.3 80.4 80.7 81.3	83.3 81.5 80.3 81.1 82.1	84.2 82.9 80.0 80.5 81.6
1992 1993 1994 1995	79.1 81.4 82.6	79.5 79.6 81.5 82.5	78.9 80.2 81.4 83.1	79.0 80.6 81.5 83.2	79.7 80.7 81.1 83.4	80.4 80.5 81.2 83.8	80.3 81.0 81.4 83.7	83.3 80.2 80.5 81.2 83.9	83.3 80.9 80.5 81.4 83.8	82.5 80.6 81.0 81.9 84.2	81.4 80.4 81.1 82.1 84.4	80.6 79.9 81.1 82.4 85.0	85.3 83.3 79.5 79.6 81.4 82.7	84.6 83.4 79.7 80.6 81.3 83.5	83.5 83.3 80.4 80.7 81.3 83.8	83.3 81.5 80.3 81.1 82.1 84.5	84.2 82.9 80.0 80.5 81.6 83.6
1992 1993 1994 1995 1996	79.1 81.4 82.6 85.0	79.5 79.6 81.5 82.5 84.7	78.9 80.2 81.4 83.1 84.4	79.0 80.6 81.5 83.2 84.0	79.7 80.7 81.1 83.4 83.9	80.4 80.5 81.2 83.8 83.8	80.3 81.0 81.4 83.7 83.2	83.3 80.2 80.5 81.2 83.9 84.0	83.3 80.9 80.5 81.4 83.8 84.0	82.5 80.6 81.0 81.9 84.2 83.4	81.4 80.4 81.1 82.1 84.4 83.3	80.6 79.9 81.1 82.4 85.0 83.3	85.3 83.3 79.5 79.6 81.4 82.7 84.7	84.6 83.4 79.7 80.6 81.3 83.5 83.9	83.5 83.3 80.4 80.7 81.3 83.8 83.7	83.3 81.5 80.3 81.1 82.1 84.5 83.4	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5
1992 1993 1994 1995 1996 1997	79.1 81.4 82.6 85.0 82.4	79.5 79.6 81.5 82.5 84.7 83.4	78.9 80.2 81.4 83.1 84.4 82.9	79.0 80.6 81.5 83.2 84.0 83.4 83.9	79.7 80.7 81.1 83.4 83.9 83.6	80.4 80.5 81.2 83.8 83.8 84.0 83.8	80.3 81.0 81.4 83.7 83.2 83.5 83.7	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6	82.5 80.6 81.0 81.9 84.2 83.4 83.4 83.4 84.8	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0	80.6 79.9 81.1 82.4 85.0 83.3 84.0	85.3 83.3 79.5 79.6 81.4 82.7 84.7 82.9 84.1	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7 84.9	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3
1992 1993 1994 1995 1996 1997 1998	79.1 81.4 82.6 85.0 82.4 83.7	79.5 79.6 81.5 82.5 84.7 83.4 84.2	78.9 80.2 81.4 83.1 84.4 82.9 84.4	79.0 80.6 81.5 83.2 84.0 83.4	79.7 80.7 81.1 83.4 83.9 83.6 83.9	80.4 80.5 81.2 83.8 83.8 84.0	80.3 81.0 81.4 83.7 83.2 83.5	83.3 80.2 80.5 81.2 83.9 84.0 83.6	83.3 80.9 80.5 81.4 83.8 84.0 83.8	82.5 80.6 81.0 81.9 84.2 83.4 83.4	81.4 80.4 81.1 82.1 84.4 83.3 83.8	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8	85.3 83.3 79.5 79.6 81.4 82.7 84.7 82.9	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2
1992 1993 1994 1995 1996 1997 1998 1999	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9	78.9 80.2 81.4 83.1 84.4 82.9 84.4 84.0 81.6	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6	80.4 80.5 81.2 83.8 83.8 84.0 83.8 82.9 81.0	80.3 81.0 81.4 83.7 83.2 83.5 83.7 82.0 81.1	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7	82.5 80.6 81.0 81.9 84.2 83.4 83.4 83.4 84.8 82.8 81.5	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9	85.3 83.3 79.5 79.6 81.4 82.7 84.7 84.7 84.7 84.1 84.3 81.8	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.7 83.9 83.6 81.3	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7 84.9 82.4 81.7	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5
1992 1993 1994 1995 1996 1997 1998 1999 2000	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9 81.4	78.9 80.2 81.4 83.1 84.4 82.9 84.4 84.0 81.6 81.4	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3 81.6	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4	80.4 80.5 81.2 83.8 83.8 84.0 83.8 82.9 81.0 81.3	80.3 81.0 81.4 83.7 83.2 83.5 83.7 82.0 81.1 80.7	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 80.3	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6	82.5 80.6 81.0 84.2 83.4 83.4 84.8 82.8 81.5 80.1	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3	85.3 83.3 79.5 79.6 81.4 82.7 84.7 82.9 84.1 84.3 81.8 81.4	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8
1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9	78.9 80.2 81.4 83.1 84.4 82.9 84.4 84.0 81.6	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6	80.4 80.5 81.2 83.8 83.8 84.0 83.8 82.9 81.0	80.3 81.0 81.4 83.7 83.2 83.5 83.7 82.0 81.1	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7	82.5 80.6 81.0 81.9 84.2 83.4 83.4 83.4 84.8 82.8 81.5	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9	85.3 83.3 79.5 79.6 81.4 82.7 84.7 84.7 84.7 84.1 84.3 81.8	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.7 83.9 83.6 81.3	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7 84.9 82.4 81.7	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8
1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5 78.7 75.0	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9 81.4 78.2 74.9	78.9 80.2 81.4 83.1 84.4 82.9 84.4 84.0 81.6 81.4 77.8 75.5	79.0 80.6 81.5 83.2 84.0 83.4 83.4 83.9 83.8 81.3 81.6 77.7 75.7	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4 77.1 76.1	80.4 80.5 81.2 83.8 83.8 84.0 83.8 84.0 83.8 82.9 81.0 81.3 76.6 76.7	80.3 81.0 81.4 83.7 83.2 83.5 83.7 82.0 81.1 80.7 76.3 76.4	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 76.0 76.4	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6 75.6 76.5	82.5 80.6 81.0 84.2 83.4 83.4 84.8 81.5 80.1 75.1 76.3	81.4 80.4 81.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8 74.7 76.6	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3 74.6 76.2	85.3 83.3 79.5 79.6 81.4 82.7 84.7 82.9 84.1 84.3 81.8 81.4 78.2 75.1	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4 77.1 76.2	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5 76.0 76.4	83.3 81.5 80.3 81.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7 74.8 76.4	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8 76.5 76.0
1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5 78.7 75.0 76.7	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9 81.4 78.2 74.9 76.9	78.9 80.2 81.4 83.1 84.4 82.9 84.4 84.0 81.6 81.4 77.8 75.5 76.8	79.0 80.6 81.5 83.2 83.4 83.4 83.8 81.3 81.6 77.7 75.7 76.1	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4 77.1 76.1	80.4 80.5 81.2 83.8 83.8 84.0 83.8 84.0 83.8 82.9 81.0 81.3 76.6 76.7 76.1	80.3 81.0 81.4 83.7 83.2 83.5 83.7 82.0 81.1 80.7 76.3 76.4 76.3	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 80.3 76.0 76.4 76.3	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6 75.6 76.5 76.7	82.5 80.6 81.0 81.9 84.2 83.4 83.4 83.4 83.4 84.8 82.8 81.5 80.1 75.1 76.3 76.7	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8 74.7 76.6 77.3	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3 74.6 76.2 77.2	85.3 83.3 79.5 79.6 81.4 82.7 84.7 82.9 84.1 84.3 81.8 81.4 78.2 75.1 76.8	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4 77.1 76.2 76.1	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5 76.0 76.4 76.5	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7 74.8 76.4 77.1	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8 76.5 76.0 76.6
1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5 78.7 75.0 76.7 77.3	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9 81.4 78.2 74.9 76.9 77.8	78.9 80.2 81.4 83.1 84.4 82.9 84.4 84.0 81.6 81.4 77.8 75.5 76.8 77.4	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3 81.6 77.7 75.7 76.1 77.8	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4 77.1 76.1 76.1 78.4	80.4 80.5 81.2 83.8 83.8 84.0 83.8 82.9 81.0 81.3 76.6 76.7 76.1 77.7	80.3 81.0 81.4 83.7 83.2 83.5 83.7 82.0 81.1 80.7 76.3 76.4 76.3 78.3	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 80.3 76.0 76.4 76.3 78.4	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6 75.6 76.5 76.7 78.4	82.5 80.6 81.0 84.2 83.4 83.4 84.8 82.8 81.5 80.1 75.1 76.3 76.7 79.2	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8 74.7 76.6 77.3 79.4	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3 74.6 76.2 77.2 80.0	85.3 83.3 79.5 79.6 81.4 82.7 84.7 82.9 84.1 84.3 81.8 81.4 78.2 75.1 76.8 77.5	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4 77.1 76.2 76.1 78.0	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5 76.0 76.4 76.5 78.3	83.3 81.5 80.3 81.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7 74.8 76.4 77.1 79.5	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8 76.0 76.6 78.3
1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5 78.7 75.0 76.7 77.3 80.3	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9 81.4 78.2 74.9 76.9 77.8 80.8	78.9 80.2 81.4 83.1 84.4 82.9 84.4 84.0 81.6 81.4 77.8 75.5 76.8 77.4 80.7	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3 81.6 77.7 75.7 76.1 77.8 80.7	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4 77.1 76.1 76.1 78.4 80.8	80.4           80.5           81.2           83.8           83.8           84.0           83.8           82.9           81.0           81.3           76.6           76.7           76.1           77.7           81.0	80.3 81.0 81.4 83.7 83.2 83.5 83.7 82.0 81.1 80.7 76.3 76.4 76.3 78.3 80.8	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 80.3 76.0 76.4 76.3 78.4 80.8	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6 75.6 76.5 76.7 78.4 79.0	82.5 80.6 81.0 84.2 83.4 83.4 84.8 82.8 81.5 80.1 75.1 76.3 76.7 79.2 79.7	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8 74.7 76.6 77.3 79.4 80.5	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3 74.6 76.2 77.2 80.0 80.9	85.3 83.3 79.5 79.6 81.4 82.7 84.7 82.9 84.1 84.3 81.8 81.4 78.2 75.1 76.8 77.5 80.6	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4 77.1 76.2 76.1 78.0 80.8	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5 76.0 76.4 76.5 78.3 80.2	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7 74.8 76.4 77.1 79.5 80.3	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8 76.5 76.0 76.6 78.3 80.5
1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5 78.7 75.0 76.7 77.3	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9 81.4 78.2 74.9 76.9 77.8	78.9 80.2 81.4 83.1 84.4 82.9 84.4 84.0 81.6 81.4 77.8 75.5 76.8 77.4	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3 81.6 77.7 75.7 76.1 77.8	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4 77.1 76.1 76.1 78.4	80.4 80.5 81.2 83.8 83.8 84.0 83.8 82.9 81.0 81.3 76.6 76.7 76.1 77.7	80.3 81.0 81.4 83.7 83.2 83.5 83.7 82.0 81.1 80.7 76.3 76.4 76.3 78.3	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 80.3 76.0 76.4 76.3 78.4	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6 75.6 76.5 76.7 78.4	82.5 80.6 81.0 84.2 83.4 83.4 84.8 82.8 81.5 80.1 75.1 76.3 76.7 79.2	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8 74.7 76.6 77.3 79.4	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3 74.6 76.2 77.2 80.0	85.3 83.3 79.5 79.6 81.4 82.7 84.7 82.9 84.1 84.3 81.8 81.4 78.2 75.1 76.8 77.5	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4 77.1 76.2 76.1 78.0	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5 76.0 76.4 76.5 78.3	83.3 81.5 80.3 81.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7 74.8 76.4 77.1 79.5	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8 76.5 76.0 76.6 78.3 80.5 80.7
1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5 78.7 75.0 76.7 77.3 80.3 80.8 80.5	79.5         79.6         81.5         82.5         84.7         83.4         84.2         84.3         81.9         81.4         78.2         74.9         76.9         77.8         80.8         80.7         81.3	78.9           80.2           81.4           83.1           84.4           82.9           84.4           84.0           81.6           81.4           77.8           75.5           76.8           77.4           80.8           81.2	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3 81.6 77.7 75.7 76.1 77.8 80.7 80.9 81.6	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4 77.1 76.1 76.1 76.1 78.4 80.8 80.7 81.6	80.4           80.5           81.2           83.8           83.8           84.0           83.8           84.0           83.8           82.9           81.0           81.3           76.6           76.1           77.7           81.0           80.8           81.5	80.3           81.0           81.4           83.7           83.5           83.7           82.0           81.1           80.7           76.3           76.3           78.3           80.9           81.6	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 80.3 76.0 76.4 76.3 78.4 80.8 80.9 81.5	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6 75.6 76.5 76.7 78.4 79.0 80.7 81.8	82.5 80.6 81.0 81.9 84.2 83.4 83.4 83.4 84.8 81.5 80.1 75.1 76.3 76.7 79.2 79.7 80.5 81.0	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8 74.7 76.6 77.3 79.4 80.5 80.2 81.3	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3 74.6 76.2 77.2 80.0 80.9 80.9 81.3	85.3           83.3           79.5           79.6           81.4           82.7           84.7           82.9           84.1           84.3           81.4           78.2           75.1           76.8           77.5           80.6           80.7           81.0	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4 77.1 76.2 76.1 78.0 80.8 80.8 81.6	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5 76.0 76.4 76.5 78.3 80.2 80.8 81.7	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7 74.8 76.4 77.1 79.5 80.3 80.5 81.2	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8 76.5 76.0 76.6 78.3 80.5 80.7 81.4
1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2007         2008	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5 78.7 75.0 76.7 77.3 80.3 80.8 80.5 80.9	79.5 79.6 81.5 82.5 84.7 83.4 84.2 84.3 81.9 81.4 78.2 74.9 76.9 77.8 80.8 80.7 81.3 80.7	78.9 80.2 81.4 83.1 84.4 84.0 81.6 81.4 77.8 75.5 76.8 77.4 80.7 80.8 81.2 80.3	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3 81.6 77.7 75.7 76.1 77.8 80.7 80.9 81.6 79.6	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4 77.1 76.1 76.1 76.1 78.4 80.8 80.7 81.6 79.1	80.4           80.5           81.2           83.8           83.8           84.0           83.8           82.9           81.0           81.3           76.6           76.7           76.1           77.7           81.0           80.8           81.5           78.8	80.3           81.0           81.4           83.7           83.2           83.5           83.7           82.0           81.1           80.7           76.3           76.3           76.3           78.3           80.9           81.6           78.7	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 80.3 76.0 76.4 76.3 78.4 80.8 80.9 81.5 77.7	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6 75.6 76.7 78.4 79.0 80.7 81.8 74.4	82.5 80.6 81.0 81.9 84.2 83.4 83.4 83.4 84.8 82.8 81.5 80.1 75.1 76.3 76.7 79.2 79.7 80.5 81.0 75.2	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8 74.7 76.6 77.3 79.4 80.5 80.2 81.3 74.5	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3 74.6 76.2 77.2 80.0 80.9 80.9 81.3 73.0	85.3           83.3           79.5           79.6           81.4           82.7           84.7           82.9           84.1           84.3           81.8           81.4           75.1           76.8           77.5           80.6           80.7           81.0           80.6	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4 77.1 76.2 76.1 78.0 80.8 80.8 81.6 79.1	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5 76.0 76.4 76.5 78.3 80.2 80.8 81.7 76.9	83.3 81.5 80.3 81.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7 74.8 76.4 77.1 79.5 80.3 80.5 81.2 74.3	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8 76.5 76.0 76.6 78.3 80.5 80.7 81.4 77.7
1992         1993         1994         1995         1996         1997         1998         1999         2000         2001         2002         2003         2004         2005         2006         2007	79.1 81.4 82.6 85.0 82.4 83.7 84.6 82.0 81.5 78.7 75.0 76.7 77.3 80.3 80.8 80.5	79.5         79.6         81.5         82.5         84.7         83.4         84.2         84.3         81.9         81.4         78.2         74.9         76.9         77.8         80.8         80.7         81.3	78.9           80.2           81.4           83.1           84.4           82.9           84.4           84.0           81.6           81.4           77.8           75.5           76.8           77.4           80.8           81.2	79.0 80.6 81.5 83.2 84.0 83.4 83.9 83.8 81.3 81.6 77.7 75.7 76.1 77.8 80.7 80.9 81.6	79.7 80.7 81.1 83.4 83.9 83.6 83.9 84.0 81.6 81.4 77.1 76.1 76.1 76.1 78.4 80.8 80.7 81.6	80.4           80.5           81.2           83.8           83.8           84.0           83.8           84.0           83.8           82.9           81.0           81.3           76.6           76.1           77.7           81.0           80.8           81.5	80.3           81.0           81.4           83.7           83.5           83.7           82.0           81.1           80.7           76.3           76.3           78.3           80.9           81.6	83.3 80.2 80.5 81.2 83.9 84.0 83.6 84.3 83.4 81.3 80.3 76.0 76.4 76.3 78.4 80.8 80.9 81.5	83.3 80.9 80.5 81.4 83.8 84.0 83.8 84.6 82.6 80.7 80.6 75.6 76.5 76.7 78.4 79.0 80.7 81.8	82.5 80.6 81.0 81.9 84.2 83.4 83.4 83.4 84.8 81.5 80.1 75.1 76.3 76.7 79.2 79.7 80.5 81.0	81.4 80.4 81.1 82.1 84.4 83.3 83.8 85.0 82.3 81.6 79.8 74.7 76.6 77.3 79.4 80.5 80.2 81.3	80.6 79.9 81.1 82.4 85.0 83.3 84.0 84.8 82.0 81.9 79.3 74.6 76.2 77.2 80.0 80.9 80.9 81.3	85.3           83.3           79.5           79.6           81.4           82.7           84.7           82.9           84.1           84.3           81.4           78.2           75.1           76.8           77.5           80.6           80.7           81.0	84.6 83.4 79.7 80.6 81.3 83.5 83.9 83.7 83.9 83.6 81.3 81.4 77.1 76.2 76.1 78.0 80.8 80.8 81.6	83.5 83.3 80.4 80.7 81.3 83.8 83.7 83.6 84.2 82.7 81.0 80.5 76.0 76.4 76.5 78.3 80.2 80.8 81.7	83.3 81.5 80.3 81.1 82.1 84.5 83.4 83.7 84.9 82.4 81.7 79.7 74.8 76.4 77.1 79.5 80.3 80.5 81.2	84.2 82.9 80.0 80.5 81.6 83.6 83.9 83.5 84.3 83.2 81.5 80.8 76.5 76.0 76.6 78.3 80.5 80.7 81.4

# Table 13 HISTORICAL STATISTICS FOR INDUSTRIAL PRODUCTION, CAPACITY, AND UTILIZATION: Total Industry Excluding Selected High-Technology Industries<sup>1</sup> Seasonally adjusted

Selected high-technology industries are computers, communications equipment, and semiconductors and related electronic components.
 Quarterly changes are at annual rates. Annual changes are calculated from annual averages.

Seasonally adjusted	0,																
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Q1	Q2	Q3	Q4	Annual
<b>IP</b> (percent																	
change) <sup>3</sup>																	
1988	2	.2	.2	.8	2	.1	.0	.1	.3	.5	.3	.4	1.9	3.5	.4	4.3	4.4
1989	.8	-1.0	1	.1	9	.1	-1.3	.9	2	3	.1	.1	2.2	-3.3	-4.1	5	.4
1990	2	1.5	.3	4	.1	.2	2	.3	.0	9	-1.3	8	3.8	1.9	.4	-7.5	.0
1991	8	7	8	.3	.7	1.1	.3	.2	1.1	2	3	3	-9.6	1.4	7.2	1.1	-2.6
1992	9	.9	.9	.4	.5	.1	.8	5	1	.5	.3	2	-1.2	6.9	2.6	1.4	2.6
1993	1.1	.1	3	.5	1	2	.3	2	.5	.8	.3	.5	3.9	.7	.4	5.9	2.5
1994	.1	.1	1.2	.5	.5	.2	.2	.6	.1	.7	.5	.9	4.0	7.0	3.7	6.9	4.4
1995	.2	3	1	4	2	.2	8	.9	.6	4	1	.1	3.0	-2.5	.3	.8	2.5
1996	-1.1	1.3	5	1.0	.5	.8	1	.3	.5	4	.7	.7	-1.6	6.7	4.1	3.0	1.5
1997	2	1.0	.9	7	.5	.4	.1	1.3	.6	.5	.8	.1	6.2	2.8	6.6	8.2	4.9
1000	_	1	2	2	4	1.1	0	2.5	7	7	1	2	2.2	1	F	4.0	2.5
1998 1999	.5 1	1 .4	3 4	.3 .0	.4 .8	-1.1 7	9 .0	2.5 .6	7 5	.7 1.4	1 .4	.2 .3	3.2	1 .3	5 .2	4.2 6.7	3.5 1.4
2000	3	2	4	.0	6	.0	4	8	5	5	6	9	.2	.6	-3.7	-4.7	.7
2001	6	5	3	1	7	5	1	7	2	7	2	.2	-7.2	-4.2	-4.8	-4.4	-4.8
2002	.6	1	.8	.1	.7	1.0	5	.3	.0	5	.4	7	3.7	5.5	2.2	-1.6	.4
2003	.5	1	.1	-1.1	.0	.3	1	3	.8	1	.9	3	.7	-3.7	.5	3.1	.0
2004 2005	2 .6	.7 .7	2 4	.5 .1	.7 .4	9 .0	.9 2	.6 .1	3 -1.3	1.1 1.5	.0 .7	.6 1	1.3 5.6	3.2 1.2	3.0 -1.9	4.9 4.3	2.0 3.1
2005	.0	3	4	.1	5	.0	2	.1	-1.5	4	./	1.6	2.6	.4	-1.9	4.3	1.5
2007	5	.5	.6	.5	1	.2	.3	6	.3	9	.1	.1	4.5	4.4	.4	-3.2	2.0
2008	6	7	4	-1.4	6	6	5	9	-3.3	1	-1.6	-2.4	-4.2	-9.4	-10.5	-16.6	-5.5
2009	-2.7	1	-1.9	8	9	2	1.6	1.3	.6	.0	1.0	.1	-20.1	-10.6	9.3	6.4	-11.0
2010	.9	4	1.1	.8	1.2	3	.7	.0	.1	.4	.3		5.8	8.8	4.0		
<b>IP</b> (2007=100)																	
2008	99.2	98.6	98.2	96.8	96.2	95.7	95.2	94.4	91.3	91.2	89.7	87.5	98.7	96.2	93.6	89.5	94.5
2009	85.2	85.1	83.5	82.8	82.1	81.9	83.2	84.3	84.8	84.8	85.7	85.8	84.6	82.2	84.1	85.4	84.1
2010	86.6	86.2	87.1	87.9	88.9	88.7	89.3	89.3	89.4	89.8	90.0		86.6	88.5	89.4		
Capacity																	
(percent of																	
2007 output)																	
2007 output) 2008	126.3	126.3	126.4	126.5	126.6	126.7	126.7	126.8	126.8	126.7	126.7	126.6	126.3	126.6	126.7	126.7	126.6
2008 2009	126.5	126.4	126.2	126.0	125.8	125.6	125.4	125.2	125.0	124.8	124.6	126.6 124.4	126.4	125.8	125.2	126.7 124.6	126.6 125.5
2008																	
2008 2009 2010	126.5	126.4	126.2	126.0	125.8	125.6	125.4	125.2	125.0	124.8	124.6		126.4	125.8	125.2		
2008 2009 2010 Utilization	126.5	126.4	126.2	126.0	125.8	125.6	125.4	125.2	125.0	124.8	124.6		126.4	125.8	125.2		
2008 2009 2010	126.5	126.4	126.2	126.0	125.8	125.6	125.4	125.2	125.0	124.8	124.6		126.4	125.8	125.2		
2008 2009 2010 Utilization (percent) 1988 1989	126.5 124.3 83.4 86.0	126.4 124.1 83.5 85.1	126.2 124.0 83.7 84.9	126.0 123.9 84.3 84.9	125.8 123.9	125.6 123.8	125.4 123.7 84.2 82.7	125.2 123.7	125.0 123.7	124.8 123.6	124.6 123.6 85.1 82.4	124.4 85.4 82.3	126.4 124.1 83.5 85.3	125.8 123.9 84.2 84.3	125.2 123.7 84.3 82.9	124.6 85.1 82.4	84.3 83.7
2008 2009 2010 Utilization (percent) 1988 1989 1990	126.5 124.3 83.4 86.0 82.0	126.4 124.1 83.5 85.1 83.0	126.2 124.0 83.7 84.9 83.1	126.0 123.9 84.3 84.9 82.7	125.8 123.9 84.2 84.0 82.6	125.6 123.8 84.2 83.9 82.7	125.4 123.7 84.2 82.7 82.4	125.2 123.7 84.3 83.2 82.4	125.0 123.7 84.5 82.9 82.3	124.8 123.6 84.9 82.5 81.4	124.6 123.6 85.1 82.4 80.3	124.4 85.4 82.3 79.5	126.4 124.1 83.5 85.3 82.7	125.8 123.9 84.2 84.3 82.7	125.2 123.7 84.3 82.9 82.4	124.6 85.1 82.4 80.4	84.3 83.7 82.0
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991	126.5 124.3 83.4 86.0 82.0 78.8	126.4 124.1 83.5 85.1 83.0 78.1	126.2 124.0 83.7 84.9 83.1 77.4	126.0 123.9 84.3 84.9 82.7 77.5	125.8 123.9 84.2 84.0 82.6 77.9	125.6 123.8 84.2 83.9 82.7 78.7	125.4 123.7 84.2 82.7 82.4 78.8	125.2 123.7 84.3 83.2 82.4 78.8	125.0 123.7 84.5 82.9 82.3 79.6	124.8 123.6 84.9 82.5 81.4 79.4	124.6 123.6 85.1 82.4 80.3 79.0	85.4 82.3 79.5 78.7	126.4 124.1 83.5 85.3 82.7 78.1	125.8 123.9 84.2 84.3 82.7 78.0	125.2 123.7 84.3 82.9 82.4 79.1	85.1 82.4 80.4 79.1	84.3 83.7 82.0 78.6
2008 2009 2010 Utilization (percent) 1988 1989 1990	126.5 124.3 83.4 86.0 82.0	126.4 124.1 83.5 85.1 83.0	126.2 124.0 83.7 84.9 83.1	126.0 123.9 84.3 84.9 82.7	125.8 123.9 84.2 84.0 82.6	125.6 123.8 84.2 83.9 82.7	125.4 123.7 84.2 82.7 82.4	125.2 123.7 84.3 83.2 82.4	125.0 123.7 84.5 82.9 82.3	124.8 123.6 84.9 82.5 81.4	124.6 123.6 85.1 82.4 80.3	124.4 85.4 82.3 79.5	126.4 124.1 83.5 85.3 82.7	125.8 123.9 84.2 84.3 82.7	125.2 123.7 84.3 82.9 82.4	124.6 85.1 82.4 80.4	84.3 83.7 82.0
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991	126.5 124.3 83.4 86.0 82.0 78.8	126.4 124.1 83.5 85.1 83.0 78.1	126.2 124.0 83.7 84.9 83.1 77.4 79.2	126.0 123.9 84.3 84.9 82.7 77.5 79.4	125.8 123.9 84.2 84.0 82.6 77.9 79.7	125.6 123.8 84.2 83.9 82.7 78.7	125.4 123.7 84.2 82.7 82.4 78.8	125.2 123.7 84.3 83.2 82.4 78.8 79.7	125.0 123.7 84.5 82.9 82.3 79.6 79.6	124.8 123.6 84.9 82.5 81.4 79.4	124.6 123.6 85.1 82.4 80.3 79.0	85.4 82.3 79.5 78.7	126.4 124.1 83.5 85.3 82.7 78.1	125.8 123.9 84.2 84.3 82.7 78.0 79.6	125.2 123.7 84.3 82.9 82.4 79.1 79.9	85.1 82.4 80.4 79.1	84.3 83.7 82.0 78.6
2008 2009 2010 <b>Utilization</b> ( <i>percent</i> ) 1988 1989 1990 1991 1992	126.5 124.3 83.4 86.0 82.0 78.8 77.9	126.4 124.1 83.5 85.1 83.0 78.1 78.5	126.2 124.0 83.7 84.9 83.1 77.4	126.0 123.9 84.3 84.9 82.7 77.5	125.8 123.9 84.2 84.0 82.6 77.9	125.6 123.8 84.2 83.9 82.7 78.7 79.7	125.4 123.7 84.2 82.7 82.4 78.8 80.2	125.2 123.7 84.3 83.2 82.4 78.8	125.0 123.7 84.5 82.9 82.3 79.6	124.8 123.6 84.9 82.5 81.4 79.4 79.9	124.6 123.6 85.1 82.4 80.3 79.0 80.0	85.4 82.3 79.5 78.7 79.7	126.4 124.1 83.5 85.3 82.7 78.1 78.6	125.8 123.9 84.2 84.3 82.7 78.0	125.2 123.7 84.3 82.9 82.4 79.1	85.1 82.4 80.4 79.1 79.9	84.3 83.7 82.0 78.6 79.5
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.0 80.9 83.9 82.2	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6	85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995 1996	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.0 80.9 83.9 83.9 82.2 82.5	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5	124.6 85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.0 80.9 83.9 82.2	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6	85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0
2008 2009 2010 <b>Utilization</b> ( <i>percent</i> ) 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.0 80.9 83.9 82.2 82.5 83.9	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1	124.6 85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 83.7	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5 80.4	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.2	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2	85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7 81.1	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9
2008 2009 2010 <b>Utilization</b> ( <i>percent</i> ) 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.0 80.9 83.9 82.2 82.5 83.9	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1	124.6 85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 81.0 82.5 83.7 80.7	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.4 82.5 80.4 79.4	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0 80.3	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.7 82.2 79.9	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4	124.6 85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7 81.1 80.2	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 83.7 80.7 79.9	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 79.9	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5 80.4 79.4 78.9	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0 80.3 76.5	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.7 82.7 82.2 79.9 79.5	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4	124.6 85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7 81.1 80.2 77.2	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 1999 2000 2001 2002	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 83.7 80.7 79.9 75.9 73.1	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 79.9 75.1 73.6	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4 74.5 74.1	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5 80.4 79.4 78.9 73.9 74.5	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1 73.4 74.7	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 73.2 74.8	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8 72.6 74.4	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3 72.5 74.7	85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0 80.3 76.5 72.6 74.3	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.7 82.7 82.7 79.9 79.5 74.5 74.2	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 73.5 74.7	85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7 81.1 80.2 77.2 72.6 74.5	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1
2008           2009           2010           Utilization           (percent)           1988           1989           1990           1991           1992           1993           1994           1995           1996           1997           1998           1999           2000           2001           2002           2003	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 83.7 80.7 79.9 75.9 73.1 74.7	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0 74.7	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6 74.8	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 75.1 73.6 74.1	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4 74.5 74.1 74.1	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9 74.3	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5 80.4 79.4 78.9 73.9 74.5 74.3	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1 73.4 74.7 74.1	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 73.2 74.8 74.7	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8 72.6 74.4 74.6	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3 72.5 74.7 75.4	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0 80.3 76.5 72.6 74.3 75.2	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2 74.7	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.2 79.9 79.5 74.5 74.2 74.1	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 73.5 74.7 74.3	85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7 81.1 80.2 77.2 72.6 74.5 75.0	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1 74.6
2008           2009           2010           Utilization           (percent)           1988           1989           1990           1991           1992           1993           1994           1995           1996           1997           1998           1999           2000           2001           2002           2003           2004	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 81.0 82.5 83.7 80.7 79.9 75.9 73.1 74.7 75.1	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0 74.7 75.7	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6 74.8 75.5	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 79.9 75.1 73.6 74.1 76.0	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4 74.5 74.1 74.1 76.6	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9 74.3 75.9	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.4 82.5 80.4 79.4 78.9 73.9 74.5 74.3 76.6	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1 73.4 74.7 74.1 77.1	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 73.2 74.8 74.7 76.8	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8 72.6 74.4 74.6 77.7	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3 72.5 74.7 75.4 77.6	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0 80.3 76.5 72.6 74.3 75.2 78.1	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2 74.7 75.4	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.2 79.9 79.5 74.5 74.2 74.1 76.1	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 78.4 73.5 74.7 74.3 76.8	124.6 85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7 81.1 80.2 77.2 72.6 74.5 75.0 77.8	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1 74.6 76.5
2008           2009           2010           Utilization           (percent)           1988           1989           1990           1991           1992           1993           1994           1995           1996           1997           1998           1999           2000           2001           2002           2003           2004           2005	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 83.7 80.7 79.9 75.9 73.1 74.7 75.1 78.6	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0 74.7 75.7 79.2	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6 74.8 75.5 78.8	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 79.9 75.1 73.6 74.1 76.0 78.8	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4 74.5 74.1 74.1 76.6 79.1	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9 74.3 75.9 79.0	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5 80.4 79.4 78.9 73.9 74.5 74.3 76.6 78.8	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1 73.4 74.7 74.1 77.1 78.8	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 73.2 74.8 74.7 76.8 77.7	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8 72.6 74.4 74.6 77.7 78.7	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3 72.5 74.7 75.4 77.6 79.2	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0 80.3 76.5 72.6 74.3 75.2 78.1 79.0	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2 74.7 75.4 78.9	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.7 82.7 82.2 79.9 79.5 74.5 74.5 74.2 74.1 76.1 79.0	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 78.4 73.5 74.7 74.3 76.8 78.4	124.6 85.1 82.4 80.4 79.9 81.0 84.0 82.3 82.5 83.7 81.1 80.2 77.2 72.6 74.5 75.0 77.8 79.0	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1 74.6 76.5 78.8
2008           2009           2010           Utilization           (percent)           1988           1989           1990           1991           1992           1993           1994           1995           1996           1997           1998           1999           2000           2001           2002           2003           2004	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 81.0 82.5 83.7 80.7 79.9 75.9 73.1 74.7 75.1	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0 74.7 75.7	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6 74.8 75.5	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 79.9 75.1 73.6 74.1 76.0	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4 74.5 74.1 74.1 76.6	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9 74.3 75.9	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.4 82.5 80.4 79.4 78.9 73.9 74.5 74.3 76.6	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1 73.4 74.7 74.1 77.1	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 73.2 74.8 74.7 76.8	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8 72.6 74.4 74.6 77.7	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3 72.5 74.7 75.4 77.6	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0 80.3 76.5 72.6 74.3 75.2 78.1	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2 74.7 75.4	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.2 79.9 79.5 74.5 74.2 74.1 76.1	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 78.4 73.5 74.7 74.3 76.8	124.6 85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7 81.1 80.2 77.2 72.6 74.5 75.0 77.8	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1 74.6 76.5
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 83.7 80.7 79.9 75.9 73.1 74.7 75.1 78.6 79.5	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0 74.7 75.7 79.2 79.2	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6 74.8 75.5 78.8 79.0	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 75.1 73.6 74.1 73.6 74.1 76.0 78.8 79.3	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4 74.5 74.1 74.1 74.1 76.6 79.1 78.8	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9 74.3 75.9 79.0 78.9	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.4 82.4 82.4 78.8 82.5 80.4 79.4 78.9 73.9 74.5 74.3 76.6 78.8 78.8	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.5 83.3 82.0 79.7 78.1 73.4 74.1 77.4 74.1 77.1 78.8 78.9	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 74.7 76.8 77.7 78.8	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.6 74.4 74.6 77.7 78.7 78.4	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 83.9 83.9 83.9 82.5 83.9 81.1 80.2 77.3 72.5 74.7 75.4 77.6 79.2 78.3	124.4 85.4 82.3 79.5 78.7 79.7 81.2 84.5 82.1 82.9 83.6 81.0 80.3 76.5 72.6 74.3 75.2 78.1 79.0 79.5	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2 74.7 75.4 78.9 79.2	125.8 123.9 84.2 84.3 82.7 78.0 79.6 80.2 82.6 83.1 82.2 82.7 82.2 79.9 79.5 74.5 74.5 74.2 74.1 76.1 79.0 79.0	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 78.4 78.4 78.4 74.3 76.8 78.4 78.4 78.9	85.1 82.4 80.4 79.1 79.9 81.0 84.0 82.3 82.5 83.7 81.1 80.2 77.2 72.6 74.5 75.0 77.8 79.0 78.7	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1 74.6 76.5 78.8 79.0
2008           2009           2010           Utilization           (percent)           1988           1989           1990           1991           1992           1993           1994           1995           1996           1997           1998           1999           2000           2001           2002           2003           2004           2005           2006           2007           2008	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 83.7 80.7 79.9 75.9 73.1 74.7 75.1 78.6 79.0 78.6	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0 74.7 75.7 79.2 79.2 79.4 78.0	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6 74.8 75.5 78.8 79.0 79.8 75.5 78.8 79.0 79.8	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 75.1 73.6 74.1 73.6 74.1 76.0 78.8 79.3 80.1 76.5	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4 74.5 74.1 74.1 76.6 79.1 78.8 80.0 76.0	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9 74.3 75.9 79.0 78.9 80.0 75.5	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5 80.4 79.4 78.9 73.9 74.5 74.3 76.6 78.8 80.2 75.1	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1 73.4 74.7 74.1 77.1 78.8 78.9 79.7 74.4	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 73.2 74.8 74.7 76.8 77.7 78.8 79.9 72.0	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8 72.6 74.4 74.6 77.7 78.7 78.7 78.4 79.1 71.9	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3 72.5 74.7 75.4 77.6 79.2 78.3 79.1 70.8	124.4         85.4         82.3         79.5         78.7         79.7         81.2         84.5         82.1         82.9         83.6         81.0         80.3         76.5         72.6         74.3         75.2         78.1         79.0         79.5         79.1         69.1	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2 74.7 75.4 78.9 79.2 79.4 78.1	125.8           123.9           84.2           84.3           82.7           78.0           79.6           80.2           82.6           83.1           82.2           79.9           79.5           74.5           74.1           76.1           79.0           80.0           76.0	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 78.4 78.4 78.4 74.3 76.8 78.4 78.9 79.9 73.9	124.6           85.1           82.4           80.4           79.1           79.9           81.0           82.3           82.5           83.7           81.1           80.2           77.2           72.6           74.5           75.0           77.8           79.0           78.7           79.1           70.6	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1 74.6 76.5 78.8 79.0 79.6 74.6
2008           2009           2010           Utilization           (percent)           1988           1989           1990           1991           1992           1993           1994           1995           1996           1997           1998           1999           2000           2001           2002           2003           2004           2005           2006           2007           2008           2009	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 81.2 84.5 81.0 82.5 83.7 80.7 79.9 73.1 74.7 75.1 78.6 79.5 79.0 78.6 67.3	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0 74.7 75.7 79.2 79.2 79.2 79.4 78.0 67.3	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6 74.8 75.5 78.8 75.5 78.8 79.0 79.8 77.6 66.1	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 79.9 75.1 73.6 74.1 76.0 78.8 79.3 80.1 76.5 65.7	125.8 123.9 84.2 84.0 82.6 77.9 79.7 80.3 82.7 83.0 82.1 82.8 82.6 80.3 79.4 74.5 74.1 74.1 74.1 76.6 79.1 78.8 80.0 76.0 65.2	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9 74.3 75.9 79.0 78.9 80.0 75.5 65.2	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.1 82.4 82.5 80.4 79.4 78.9 73.9 74.5 74.3 76.6 78.8 80.2 75.1 66.3	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1 73.4 74.7 74.1 77.1 78.8 78.9 79.7 74.4 67.3	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 73.2 74.8 74.7 76.8 77.7 78.8 79.9 72.0 67.9	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8 72.6 74.4 74.6 77.7 78.7 78.7 78.4 79.1 71.9 68.0	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3 72.5 74.7 75.4 77.6 79.2 78.3 79.1 70.8 68.8	124.4           85.4           82.3           79.5           78.7           79.7           81.2           84.5           82.1           82.9           83.6           81.0           80.3           76.5           72.6           74.3           75.2           78.1           79.0           79.5           79.1	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2 74.7 75.4 78.9 79.2 79.4 78.1 66.9	125.8           123.9           84.2           84.3           82.7           78.0           79.6           80.2           82.6           83.1           82.2           79.9           79.5           74.5           74.2           74.1           76.1           79.0           80.0           76.0	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 78.4 78.4 78.4 78.4 78.5 74.7 74.3 76.8 78.4 78.9 79.9 73.9 67.2	124.6           85.1           82.4           80.4           79.1           79.9           81.0           82.3           82.5           83.7           81.1           80.2           77.2           72.6           74.5           75.0           77.8           79.0           78.7           79.1	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1 74.6 76.5 78.8 79.0 79.6
2008 2009 2010 Utilization (percent) 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1996 1997 1998 1999 2000 2001 2002 2001 2002 2003 2004 2005 2006 2007 2008	126.5 124.3 83.4 86.0 82.0 78.8 77.9 80.5 81.2 84.5 81.0 82.5 83.7 80.7 79.9 75.9 73.1 74.7 75.1 78.6 79.0 78.6	126.4 124.1 83.5 85.1 83.0 78.1 78.5 80.5 81.2 84.1 81.9 83.1 83.3 80.8 79.7 75.5 73.0 74.7 75.7 79.2 79.2 79.4 78.0	126.2 124.0 83.7 84.9 83.1 77.4 79.2 80.1 82.1 83.8 81.3 83.5 82.7 80.2 79.8 75.2 73.6 74.8 75.5 78.8 79.0 79.8 75.5 78.8 79.0 79.8	126.0 123.9 84.3 84.9 82.7 77.5 79.4 80.5 82.4 83.3 81.9 82.7 82.6 79.9 75.1 73.6 74.1 73.6 74.1 76.0 78.8 79.3 80.1 76.5	125.8           123.9           84.2           84.0           82.6           77.9           79.7           80.3           82.1           82.8           82.6           80.3           79.4           74.1           76.6           79.1           78.8           80.0           76.0	125.6 123.8 84.2 83.9 82.7 78.7 79.7 80.0 82.7 83.0 82.6 82.8 81.4 79.6 79.3 74.0 74.9 74.3 75.9 79.0 78.9 80.0 75.5	125.4 123.7 84.2 82.7 82.4 78.8 80.2 80.1 82.8 82.1 82.4 82.5 80.4 79.4 78.9 73.9 74.5 74.3 76.6 78.8 80.2 75.1	125.2 123.7 84.3 83.2 82.4 78.8 79.7 79.9 83.1 82.7 82.5 83.3 82.0 79.7 78.1 73.4 74.7 74.1 77.1 78.8 78.9 79.7 74.4	125.0 123.7 84.5 82.9 82.3 79.6 79.6 80.2 83.1 83.0 82.7 83.5 81.1 79.1 78.4 73.2 74.8 74.7 76.8 77.7 78.8 79.9 72.0	124.8 123.6 84.9 82.5 81.4 79.4 79.9 80.8 83.6 82.5 82.1 83.5 81.4 80.1 77.8 72.6 74.4 74.6 77.7 78.7 78.7 78.4 79.1 71.9	124.6 123.6 85.1 82.4 80.3 79.0 80.0 80.9 83.9 82.2 82.5 83.9 81.1 80.2 77.3 72.5 74.7 75.4 77.6 79.2 78.3 79.1 70.8	124.4         85.4         82.3         79.5         78.7         79.7         81.2         84.5         82.1         82.9         83.6         81.0         80.3         76.5         72.6         74.3         75.2         78.1         79.0         79.5         79.1         69.1	126.4 124.1 83.5 85.3 82.7 78.1 78.6 80.4 81.5 84.1 81.4 83.0 83.2 80.5 79.8 75.5 73.2 74.7 75.4 78.9 79.2 79.4 78.1	125.8           123.9           84.2           84.3           82.7           78.0           79.6           80.2           82.6           83.1           82.2           79.9           79.5           74.5           74.1           76.1           79.0           80.0           76.0	125.2 123.7 84.3 82.9 82.4 79.1 79.9 80.1 83.0 82.6 82.5 83.1 81.2 79.4 78.4 78.4 78.4 78.4 74.3 76.8 78.4 78.9 79.9 73.9	124.6           85.1           82.4           80.4           79.1           79.9           81.0           82.3           82.5           83.7           81.1           80.2           77.2           72.6           74.5           75.0           77.8           79.0           78.7           79.1           70.6	125.5 84.3 83.7 82.0 78.6 79.5 80.4 82.8 83.0 82.2 83.1 81.9 80.0 78.7 74.0 74.1 74.6 76.5 78.8 79.0 79.6 74.6

## Table 14 HISTORICAL STATISTICS FOR INDUSTRIAL PRODUCTION, CAPACITY, AND UTILIZATION: Manufacturing' Excluding Selected High-Technology Industries<sup>2</sup> Seasonally adjusted

I. Refer to note on cover page.
 Selected high-technology industries are computers, communications equipment, and semiconductors and related electronic components.
 Quarterly changes are at annual rates. Annual changes are calculated from annual averages.

#### EXPLANATORY NOTE

The **Industrial Production and Capacity Utilization** statistical release, which is published around the middle of the month, reports measures of output, capacity, and capacity utilization in manufacturing, mining, and the electric and gas utilities industries. More detailed descriptions of industrial production and capacity utilization are available on the Board's website at **www.federalreserve.gov/releases/G17**. In addition, the website includes files containing data shown in the release, more detailed series that are published in a monthly supplement to the G.17, and historical data. Instructions on searching for and downloading specific series are provided as well.

### INDUSTRIAL PRODUCTION

Coverage. The industrial production (IP) index measures the real output of the manufacturing, mining, and electric and gas utilities industries; the reference period for the index is 2007. Manufacturing consists of those industries included in the North American Industry Classification System (NAICS) definition of manufacturing plus those industries- newspaper, periodical, book, and directory publishing plus logging-that have traditionally been considered to be manufacturing. For the period since 1997, the total IP index has been constructed from 312 individual series based on the 2002 NAICS codes. These individual series are classified in two ways: (1) market groups, and (2) industry groups. Market groups consist of products and materials. Total products are the aggregate of final products, such as consumer goods and equipment, and nonindustrial supplies (which are inputs to nonindustrial sectors). Materials are inputs in the manufacture of products. Major industry groups include three-digit NAICS industries and aggregates of these industries-for example, durable and nondurable manufacturing, mining, and utilities. A complete description of the market and industry structures, including details regarding series classification, relative importance weights, and data sources, is available on the Board's web site (www.federalreserve.gov/releases/G17/About.htm).

Source data. On a monthly basis, the individual indexes of industrial production are constructed from two main types of source data: (1) output measured in physical units and (2) data on inputs to the production process, from which output is inferred. Data on physical products, such as tons of steel or barrels of oil, are obtained from private trade associations and from government agencies; data of this type are used to estimate monthly IP wherever possible and appropriate. Production indexes for a few industries are derived by dividing estimated nominal output (calculated using unit production and unit values or sales) by a corresponding Fisher price index; the most notable of these fall within the high-technology grouping and include computers, communications equipment, and semiconductors. When suitable direct measures of product are not available, estimates of output are based on production-worker hours by industry. Data on hours worked by production workers are collected in the monthly establishment survey conducted by the Bureau of Labor Statistics. The factors used to convert inputs into estimates of production are based on historical relationships between the inputs and the comprehensive annual data used to benchmark the IP indexes; these factors also may be influenced by technological or cyclical developments. The annual data used in benchmarking the individual IP indexes are constructed from a variety of source data, such as the quinquennial Censuses of Manufactures and Mineral Industries and the Annual Survey of Manufactures, prepared by the Bureau of the Census; the Minerals Yearbook, prepared by the United States Geological Survey of the Department of the Interior; and publications of the Department of Energy.

Aggregation Methodology and Weights. The aggregation method for the IP index is a version of the Fisher-ideal index formula. (For a detailed discussion of the aggregation method, see the *Federal Reserve Bulletins* of February 1997 and March 2001.) In the IP index, series that measure the output of an individual industry are combined using weights derived from their proportion in the total value-added output of all industries. The IP index, which extends back to 1919, is built as a chain-type index since 1972. The current formula for the growth in monthly IP (or any of the sub-aggregates) since 1972 is shown below. An output index for month *m* is denoted by  $I_m^A$  for aggregate A and  $I_m$  for each of its components. The monthly price measure in the formula  $(p_m)$  is interpolated from an annual series of value added divided by the average annual IP index.

$$\frac{I_m^A}{I_{m-1}^A} = \sqrt{\frac{\sum I_m p_{m-1}}{\sum I_{m-1} p_{m-1}}} \times \frac{\sum I_m p_m}{\sum I_{m-1} p_m}$$

The IP proportions (typically shown in the first column of the relevant tables in the G.17 release) are estimates of the industries' relative contributions to overall growth in the following year. For example, the relative importance weight of the motor vehicles and parts industry is about 4 percent. If output in this industry increased 10 percent in a month, then this gain would boost growth in total IP by 4/10 percentage point (0.04 x 10% = 0.4%). To assist users with calculations, the Federal Reserve's web site provides supplemental monthly statistics that represent the exact proportionate contribution of a monthly change in a component index to the monthly change in the total index (www.federalreserve.gov/releases/G17/ipdisk/IPWeightsSa.txt).

**Timing.** The first estimate of output for a month is published around the 15th of the following month. The estimate is preliminary (denoted by the superscript "p" in tables) and subject to revision in each of the subsequent five months as new source data become available. (Revised estimates are denoted by the superscript "r" in tables.) For the first estimate of output for a given month, about 70 percent of the source data (in value-added terms) are available; the fraction of available source data increases to 84 percent for estimates in the second month that the estimate is published, 93 percent in the third month, 97 percent in the fourth month, 98 percent in the fifth month, and 99 percent in the sixth month. Data availability by data type in late 2009 is summarized in the table below:

1	Availability	of Monthly	IP	Data	in	Publication	Window	w
		alue added i						

	Month of estimate									
Type of data	1st	2nd	3rd	4th	5th	6th				
Physical product	25	39	48	52	53	53				
Production-worker hours	45	45	45	45	45	45				
IP data received	70	84	93	97	98	98				
IP data estimated	30	16	7	3	2	2				

The physical product group includes series based on either monthly or quarterly data. As can be seen in the first row of the table, in the first month, a physical product indicator is available for about half of the series (in terms of value added) that ultimately are based on physical product data (25 percent out of a total of 53 percent). Of the 25 percent, about two-thirds (19 percent of total IP) include series that are derived from weekly physical product data and for which actual monthly data may lag up to several months. On average, quarterly product data are received for the fourth estimate of industrial production. Specifically, quarterly data are available for the third estimate of the last month of a quarter, the fourth estimate of the second month of a quarter, and the fifth estimate of the first month of a quarter.

**Seasonal adjustment.** Individual series are seasonally adjusted using Census X-12 ARIMA. For series based on production-worker hours, the current seasonal factors were estimated with data through January 2010; for other series, the factors were estimated with data through at least January 2010. Series are pre-adjusted for the effects of holidays or business cycles when appropriate. For the data since 1972, all seasonally adjusted aggregate indexes are calculated by aggregating the seasonally adjusted indexes of the individual series.

**Reliability.** The average revision to the *level* of the total IP index, without regard to sign, between the first and the fourth estimates was 0.26 percent during the 1987–2009 period. The average revision to the *percent change* in total IP, without regard to sign, from the first to the fourth estimates was 0.21 percentage point during the 1987–2009

period. In most cases (about 85 percent), the direction of the change in output indicated by the first estimate for a given month is the same as that shown by the fourth estimate.

Rounding. The published percent changes are calculated from unrounded indexes, and may not be the same as percent changes calculated from the rounded indexes shown in the release.

### CAPACITY UTILIZATION

Overview. The Federal Reserve Board constructs estimates of capacity and capacity utilization for industries in manufacturing, mining, and electric and gas utilities. For a given industry, the capacity utilization rate is equal to an output index (seasonally adjusted) divided by a capacity index. The Federal Reserve Board's capacity indexes attempt to capture the concept of sustainable *maximum output*—the greatest level of output a plant can maintain within the framework of a realistic work schedule, after factoring in normal downtime and assuming sufficient availability of inputs to operate the capital in place.

Coverage. Capacity indexes are constructed for 89 detailed industries (71 in manufacturing, 16 in mining, and 2 in utilities), which mostly correspond to industries at the three- and four-digit NAICS level. Estimates of capacity and utilization are available for a variety of groups, including durable and nondurable manufacturing, total manufacturing, mining, utilities, and total industry. Manufacturing consists of those industries included in the North American Industry Classification System (NAICS) definition of manufacturing plus those industries- newspaper, periodical, book, and directory publishing plus logging-that have traditionally been considered to be manufacturing. Also, special aggregates are available, such as high-technology industries and manufacturing excluding high-technology industries.

Source Data. The monthly rates of capacity utilization are designed to be consistent with both the monthly data on production and the periodically available data on capacity and utilization. Because there is no direct monthly information on overall industrial capacity or utilization rates, the Federal Reserve first estimates annual capacity indexes from the source data. Capacity data reported in physical units from government sources (primarily from the U.S. Geological Survey and the Department of Energy's Energy Information Administration) and trade sources are available for portions of several industries in manufacturing (e.g., paper, industrial chemicals, petroleum refining, motor vehicles), as well as for electric utilities and mining; these industries represent about 25 percent of total industrial capacity. When physical product data are unavailable for manufacturing industries, capacity indexes are based on responses to the Bureau of the Census's Quarterly Survey of Plant Capacity (QSPC); these industries account for a bit less than 70 percent of total industry capacity. In the absence of utilization data for a few mining and petroleum series, capacity is based on trends through peaks in production (roughly 5 percent of total industry capacity). A detailed description of the methodology used to construct the capacity indexes is available on the Board's web site (www.federalreserve.gov/releases/G17/CapNotes.htm).

Aggregation Methodology. Monthly capacity aggregates are calculated in three steps: (1) utilization aggregates are calculated on an annual basis through the most recent full year as capacity-weighted aggregates of individual utilization rates; (2) the annual aggregate capacity is derived from the corresponding production and utilization aggregates; (3) the monthly capacity aggregate is obtained by interpolating the annual capacity aggregate with a Fisher index of its constituent monthly capacity series. Utilization rates for the individual series and aggregates are calculated by dividing the pertinent monthly production index by the related capacity index.

**Consistency.** A major aim is that the Federal Reserve utilization rates be consistent over time so that, for example, a rate of 85 percent means about the same degree of tightness that it meant in the past. A major task for the Federal Reserve in developing reasonable and consistent time series of capacity and utilization is dealing with inconsistencies between the movements of the industrial production index and the survey-based utilization rates. The McGraw-Hill/DRI Survey, now discontinued, was the primary source of manufacturing

utilization rates for many years. This was a survey of large companies that reported, on average, higher utilization rates than those reported by establishments covered by the Census Bureau's annual Survey of Plant Capacity (the predecessor to the QSPC) for the fourteen years they overlapped. Adjustments have been made to keep the industry utilization rates currently reported by the Federal Reserve roughly in line with rates formerly reported by McGraw-Hill. As a consequence, the rates reported by the Federal Reserve tend to be higher than the rates reported in the QSPC.

Perspective. Over the 1972–2009 period, the average total industry utilization rate is 80.6 percent; for manufacturing, the average factory operating rate has been 79.2 percent. Industrial plants usually operate at capacity utilization rates that are well below 100 percent: none of the broad aggregates has ever reached 100 percent. For total industry and total manufacturing, utilization rates have exceeded 90 percent only in wartime. The highs and lows in capacity utilization shown in table 7 are specific to each series and do not all occur in the same month.

#### REFERENCES AND RELEASE DATES

References. The release for the annual revision that was published on June 25, 2010 is available on the Board's website (www.federal reserve.gov/releases/g17/revisions/Current/DefaultRev.htm). The annual revision published in March 2009 is provided in the Federal Reserve Bulletin, vol. 95 (August 2009), pp. A125-A145. The annual revision published in March 2008 is described in an article published in the Federal Reserve Bulletin, vol. 94 (August 2008), pp. A41-A60. A summary of the annual revision that incorporated back to 1972 production and capacity indexes reclassified according to the North American Industry Classification System is available in an article in the Federal Reserve Bulletin, vol. 89 (April 2003), pp. 151-176. A description of the aggregation methods for industrial production and capacity utilization is included in an article in the Federal Reserve Bulletin, vol. 83 (February 1997), pp. 67–92. The Federal Reserve methodology for constructing industry-level measures of capital is detailed in "Capital Stock Estimates for Manufacturing Industries: Methods and Data" by Mike Mohr and Charles Gilbert (1996), which can be obtained at:

#### www.federalreserve.gov/releases/g17/CapitalStockDocLatest.pdf.

Industrial Production-1986 Edition contains a more detailed description of the other methods used to compile the industrial production index, plus a history of its development, a glossary of terms, and a bibliography. The major revisions to the IP indexes and capacity utilization since 1990 have been described in the Federal Reserve Bulletin (April 1990, June 1990, June 1993, March 1994, January 1995, January 1996, February 1997, February 1998, January 1999, March 2000, March 2001, March 2002, April 2003, Winter 2004, Winter 2005, March 2006, May 2007, August 2008).

#### **Release Schedule**

At 9:15 a.m. on

2010: January 15, February 17, March 15, April 15, May 14, June 16, July 15, August 17, September 15, October 18, November 16, and December 15.

2011: January 14, February 16, March 17, April 15, May 17, June 15, July 15, August 16, September 15, October 17, November 16, and December 15.