

Improved Annual Industry Accounts for 1998–2003

Integrated Annual Input-Output Accounts and Gross-Domestic-Product-by-Industry Accounts

By Brian C. Moyer, Mark A. Planting, Paul V. Kern, and Abigail M. Kish

ON June 17, 2004, the Bureau of Economic Analysis (BEA) released the initial results of the comprehensive revision of the annual industry accounts. This release marks a major advance in the timeliness, accuracy, and consistency of the annual input-output (I-O) accounts and the gross-domestic-product-(GDP)-by-industry accounts as a result of significant improvements in BEA's estimating methods. The new methodology combines source data between the two accounts to improve accuracy; it prepares the newly integrated accounts within an I-O framework that balances and reconciles industry production with commodity usage. For the first time, the annual I-O

accounts and the GDP-by-industry accounts are released concurrently—accelerating the release of the annual I-O accounts by 18 months—and they present fully consistent measures of gross output, intermediate inputs, and value added by industry for 1998–2002. In addition, this release includes GDP-by-industry estimates for 2003 that are based on BEA's recently developed, accelerated methodology. (See the box “Accelerated Gross-Domestic-Product-by-Industry Estimates for 2003.”)

The methodology used to integrate the annual I-O accounts and the GDP-by-industry accounts draws the best information from the rich sources of industry-

Accelerated Gross-Domestic-Product-by-Industry Estimates for 2003

This comprehensive revision of the annual industry accounts presents accelerated estimates of gross domestic product (GDP) by industry for 2003. These estimates are prepared for broad industry groups and are based on limited source data and on an abbreviated methodology that differs from the integration methodology used to prepare the standard set of estimates for 1998–2002. The detailed industry source data required to implement the integration methodology are not available for 2003; therefore, the accelerated methodology draws heavily on data from the national income and product accounts (NIPAs) for both current-dollar estimates and real estimates of value added by industry. As a result, there is a high degree of consistency between the accelerated GDP-by-industry estimates and the NIPAs.

The accelerated current-dollar estimates of value added by industry for 2003 are prepared by extrapolating the major components of value added by industry for 2002 forward by unpublished industry source data from the NIPAs. Compensation of employees is extrapolated by the sum of industry wage and salary accruals and supplements to wages and salaries for detailed industries when research indicates that current-dollar shares of supplements remain relatively stable over short periods of time. Gross operating surplus is extrapolated by the sum of corporate profits, proprietors' income, capital consumption allowances, net interest, and net business

current transfer payments. For most industries, these components account for nearly all of gross operating surplus. For “taxes on production and imports, less subsidies,” estimates for industry groups are applied directly to each underlying detailed industry. Finally, the estimates for farms and general government are obtained directly from the NIPAs.

The accelerated estimates of chain-type price and quantity indexes and the chained-dollar estimates of value added by industry are prepared using the single-deflation method: An industry's current-dollar estimate of value added is divided by the industry's gross output price index.¹ A Fisher aggregation of the detailed industries yields the chain-type price and quantity indexes for industry groups, such as “private industries.” Deflation-level gross output price indexes are implicit price deflators that are computed as current-dollar gross output divided by chained-dollar gross output. For detailed industries, both current-dollar and real gross output are extrapolated from their 2002 levels by a variety of source data from the NIPAs, other Federal Government agencies, and private institutions.

1. Single deflation approximates the results obtained by double deflation when the prices of an industry's intermediate inputs increase at about the same rate as its gross output prices. For more information, see Robert E. Yuskavage, “Gross Domestic Product by Industry: A Progress Report on Accelerated Estimates,” *SURVEY* 82 (June 2002): 21.

based data that are available in the United States by ranking these source data by quality on an industry-by-industry basis.¹ As a result, the accuracy of both sets of accounts is improved. For example, for the industries for which the Bureau of the Census provides relatively complete data for intermediate inputs, value added is computed as the difference between gross output and intermediate inputs. For the industries for which less data on intermediate inputs are available, BEA estimates value added using alternative data sources, including data on wages and salaries from the Bureau of Labor Statistics and data on corporate profits before tax from the Internal Revenue Service.

The integration methodology then combines the estimates of gross output by industry, intermediate inputs by industry, value added by industry, and the final uses of commodities in a balanced I-O framework. The estimates of intermediate inputs by industry are computed as the difference between gross output by industry and value added by industry, which are then adjusted through an iterative row-and-column balancing process to ensure that the use of commodities equals their supply, that the sum of value added and intermediate inputs by industry equals gross output by industry, and that the sum of final uses equals GDP.

The integration methodology results in industry accounts that provide a more accurate and consistent picture of the U.S. economy than the previously published accounts. For example, the balanced I-O framework ensures that the estimate of gross output for the construction industry is consistent with both the estimate of investment in structures in the national income and product accounts (NIPAs) and the purchases of construction services by all industries. In the GDP-by-industry accounts, the previously published estimates of gross output for this industry did not reflect the NIPA estimates of investment in structures.

Using this methodology also reduces the portion of real GDP growth that is “not allocated by industry.” Because the new methodology imposes greater consistencies, the differences between economy-wide real value-added growth in the GDP-by-industry accounts and real GDP growth in the NIPAs are reduced. For example, before integration, the growth rate in economy-wide real value added was 4.7 percent in 1998–99, and real GDP growth was 4.5 percent, so the “not allocated by industry” was 0.2 percentage point. After the integration, the growth rate in economy-wide real value added was revised down to 4.5 percent, the same growth rate as real GDP. Similarly, for 1999–2000, inte-

gration reduced the economy-wide real value-added growth rate from 3.8 percent to 3.7 percent, the same as the growth rate in real GDP. Integration does not eliminate these differences for all years, but a comparison of published estimates from the GDP-by-industry accounts for 1998–2001 with the estimates in the integrated accounts indicates that on average, the “not allocated by industry” was reduced 0.2 percentage point.

The integration of the annual I-O accounts and the GDP-by-industry accounts is the most recent in a series of improvements to the industry accounts. It marks an important step towards BEA's longer term goal of the integration of all the industry accounts, including the benchmark I-O accounts, and the integration of the industry accounts with the NIPAs.² In the future, as a result of the integration with the NIPAs, a feedback loop from the annual I-O accounts to the NIPAs could improve the commodity composition of GDP, and it could further improve the accuracy of the industry accounts and the NIPAs. This integration will also incorporate expanded data on intermediate inputs by industry from the 2002 Economic Census and from the annual surveys that are currently being collected and tabulated by the Bureau of the Census.

This release of the annual industry accounts also incorporates the results of the 2003 comprehensive NIPA revision, and it presents both the annual I-O accounts and the GDP-by-industry accounts on the 1997 North American Industry Classification System (NAICS).³ In addition, it completes the first of two steps to accelerate the release of the annual I-O accounts by 2 years. By the fall of 2004, the annual I-O accounts will be available just 1 year after the end of the reference year.

The improved set of accounts confirms the broad shifts in industry trends that were seen in the previously published annual industry accounts: The information-technology-based expansion of the late 1990s, the downturn in private goods-producing industries in 2001, and the stronger growth in private services-producing industries in 2002–2003. Highlights of the estimates are as follows.

- The services-producing industries were the largest contributors to real GDP growth in 1998–2003. In 2001, the slow growth in real GDP reflected the positive contribution of these industries that offset

2. It is also BEA's longer term goal to integrate the industry accounts and the NIPAs with the gross-state-product (GSP) accounts and the regional I-O multiplier estimates. Improved consistency between the annual I-O accounts and the GDP-by-industry accounts will also improve the quality of the GSP accounts. Consistent and better measures of value added could also strengthen the links between the GSP accounts and the regional I-O multiplier estimates.

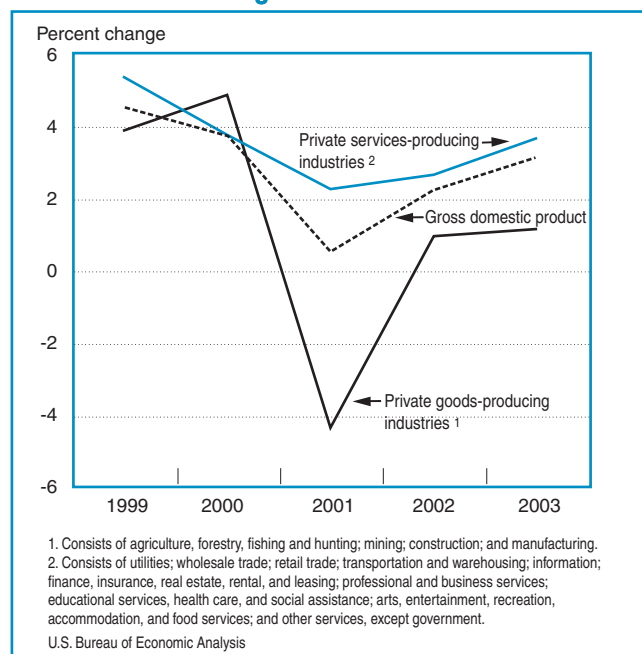
3. Estimates for 1947–97 based on the Standard Industrial Classification System are available on the BEA's Web site. These estimates are consistent with the 2003 NIPA comprehensive revision, but they are not based on the newly developed integration methodology.

1. For a discussion of the integration methodology, see Brian C. Moyer, Mark A. Planting, Mahnaz Fahim-Nader, and Sherlene K.S. Lum, “Preview of the Comprehensive Revision of the Annual Industry Accounts,” *SURVEY OF CURRENT BUSINESS* 84 (March 2004): 38–51.

durable-goods manufacturing increased 8.9 percent because of a 38.8-percent growth in real value added for the computer and electronic products industry. In private services-producing industries, the information industry group, which includes telecommunications and data processing services, grew 10.3 percent, and the professional, scientific, and technical services industry group, which includes computer systems design and related services, grew 7.3 percent. In addition, the strong growth in GDP reflected an 8.0-percent growth in the finance and insurance industry group; in this industry group, the securities, commodity contracts, and investments industry grew 34.9 percent.

In 2001, real GDP growth slowed to 0.5 percent, reflecting a downturn in private goods-producing industries and slower, but relatively strong, growth in private services-producing industries (chart 1). Real value added for goods-producing industries decreased for all manufacturing industries except the computer and electronic products industry. The real value added for goods-producing industries declined 4.4 percent because real gross output for these industries decreased 3.7 percent, but intermediate inputs decreased only 3.2 percent (table B). The services-producing industries grew 2.2 percent after growing at an average annual rate of 4.5-percent in 1998–2000. This slowdown was partly due to the downturn in real value added for the transportation and warehousing industry group, which includes air transportation, the slowdown in the finance and insurance industry group, and the downturn in the accommodation industry after September 11th.

Chart 1. Percent Changes in Real Value Added



In 2002, real GDP growth accelerated to 2.2 percent. The economic recovery was due to the strong growth in real value added for the services-producing industries, which increased 2.6 percent, and to the slower, but positive, growth for the goods-producing industries, which increased 0.9 percent. In the services-producing industries, rapid growth was reported for utilities, retail trade, and the health care and social assistance industry groups. Real value added for the goods-producing industries increased 0.9 percent; this modest growth reflected a 11.4-percent growth in the computer and electronic products industry and upturns in the motor vehicles, bodies and trailers, and parts and in the petroleum and coal products industries.

In 2003, real GDP growth accelerated to 3.1 percent. The strong growth was again centered in the services-producing industries, which grew 3.6 percent; strong growth was reported for retail trade, the information industry group, and the finance and insurance industry group. Real value added for the goods-producing industries accelerated slightly, growing 1.1 percent. In 2002–2003, the growth in real value added turned up in the transportation and warehousing industry group and in the other services, except government industry group. In the goods-producing industries, construction reported positive growth for the first time since 2000.

Contributions to real GDP growth

The 4.1-percent average annual growth in real GDP in 1998–2000 reflected a contribution of 0.92 percentage point by the goods-producing industries and a contribution of 2.97 percentage points by the services-producing industries (table C on page 26).⁵ The largest contributions to GDP growth were by durable-goods manufacturing, by the information industry group, by the finance, insurance, real estate, rental, and leasing industry group, and by the professional and business services industry group.

In 2001, real GDP grew 0.5 percent; this slower growth primarily reflected the contribution from the

5. An industry's contribution to real GDP growth reflects both the growth rate of its real value added and its share of current-dollar GDP. For example, in 1998–2000, the information industry group contributed 0.46 percentage point to real GDP growth, and the professional and business services industry group contributed 0.49 percentage point to real GDP growth. The information industry group's contribution primarily reflects its 10.3-percent growth rate in real value added; its share of current-dollar GDP is less than 5 percent. In contrast, the contribution of the professional and business services industry group primarily reflects its 11.6-percent share of current-dollar GDP; its growth rate in real value added was only 4.3 percent. As part of this comprehensive revision of the annual industry accounts, an improved formula for computing industry contributions to real GDP growth was introduced. See also "Changes in the Methodology and Presentation."

goods-producing industries (-0.94 percentage point) that was more than offset by the contribution of the services-producing industries (1.45 percentage points). In the goods-producing industries, manufacturing was the hardest hit by the slowdown, and it accounted for the largest negative contribution (at -0.78 percentage point) to real GDP growth, although computer and electronic products manufacturing continued to make a positive contribution. In the services-producing industries, the retail trade industry group and the finance, insurance, real estate, rental, and leasing industry group made large positive contributions to GDP.

In 2002-2003, the recovery was led by the services-producing industries. In 2002, the 2.2-percent growth in real GDP reflected a contribution of 1.78 percentage points by the services-producing industries. In 2003, the 3.1-percent growth in real GDP was largely accounted for by a contribution of 2.44 percentage points by the services-producing industries. The largest contributions were made by retail trade, the information industry group, and the finance, insurance, real estate, rental, and leasing industry group. In both 2002 and 2003, private goods-producing industries made small, but positive, contributions to real GDP growth.

Table B. Percent Changes in Chain-Type Quantity Indexes by Industry Group

	1999	2000	2001	2002	2003	Average annual rate of change, 1998-2000		1999	2000	2001	2002	2003	Average annual rate of change, 1998-2000
Gross domestic product	4.5	3.7	0.5	2.2	3.1	4.1	Information:						
Private industries:							Gross output.....	14.2	10.7	3.6	0.9		12.4
Gross output	5.4	4.9	-0.6	1.0		5.1	Intermediate inputs.....	12.2	17.0	3.7	-1.1		14.6
Intermediate inputs	5.9	5.9	-1.9	-0.5		5.9	Value added	16.1	4.7	3.5	3.1	9.3	10.3
Value added	4.9	4.0	0.6	2.2	3.0	4.4	Finance, insurance, real estate, rental, and leasing:						
Agriculture, forestry, fishing, and hunting:							Gross output.....	7.0	8.2	0.4	0.5		7.6
Gross output	2.1	1.0	-0.2	-0.5		1.5	Intermediate inputs.....	10.1	13.5	-3.1	-1.5		11.8
Intermediate inputs	1.3	-5.3	-0.2	-2.2		-2.1	Value added	5.3	5.3	2.4	1.7	3.8	5.3
Value added	3.3	12.2	-0.2	2.2	1.8	7.7	Professional and business services:						
Mining:							Gross output.....	7.0	7.1	0.8	0.9		7.0
Gross output	-2.8	4.4	2.6	-5.2		0.8	Intermediate inputs.....	10.1	14.4	1.2	-1.6		12.2
Intermediate inputs	-8.8	16.4	13.0	-10.8		3.0	Value added	5.4	3.2	0.5	2.4	1.9	4.3
Value added	2.6	-4.1	-5.3	-0.2	-2.2	-0.8	Educational services, health care, and social assistance:						
Utilities:							Gross output.....	2.8	3.5	4.2	5.1		3.1
Gross output	-2.5	5.9	-2.9	3.6		1.6	Intermediate inputs.....	4.4	4.6	7.4	6.9		4.5
Intermediate inputs	-13.8	6.4	5.4	1.4		-4.2	Value added	1.8	2.8	2.2	3.9	3.1	2.3
Value added	4.6	5.6	-8.4	5.2	2.8	5.1	Arts, entertainment, recreation, accommodation, and food services:						
Construction:							Gross output.....	3.0	4.5	0.3	4.1		3.7
Gross output	5.2	3.4	-0.6	-1.6		4.3	Intermediate inputs.....	2.2	6.0	-0.2	6.7		4.1
Intermediate inputs	8.2	6.3	1.0	0.0		7.2	Value added	3.6	3.3	0.7	1.9	1.9	3.4
Value added	2.4	0.6	-2.1	-3.1	0.1	1.5	Other services, except government:						
Manufacturing:							Gross output.....	1.7	3.9	0.3	-1.7		2.8
Gross output	4.2	2.0	-4.9	-0.2		3.1	Intermediate inputs.....	6.0	9.0	-2.1	1.4		7.5
Intermediate inputs	4.0	-0.2	-4.6	-1.6		1.9	Value added	-1.6	-0.2	2.3	-4.0	2.8	-0.9
Value added	4.4	6.3	-5.4	2.4	1.7	5.3	Government:						
Durable goods:							Gross output.....	3.0	2.3	2.7	3.0		2.7
Gross output	6.7	3.5	-6.3	-1.0		5.1	Intermediate inputs.....	6.5	2.9	5.8	6.1		4.7
Intermediate inputs	6.9	-1.0	-7.0	-2.7		2.9	Value added	1.1	2.0	0.9	1.2	1.4	1.6
Value added	6.2	11.6	-5.2	2.0	3.4	8.9	Addenda:						
Nondurable goods:							Private goods-producing industries:¹						
Gross output	0.8	0.1	-3.1	0.7		0.4	Gross output.....	4.0	2.3	-3.7	-0.7		3.1
Intermediate inputs	0.5	0.7	-1.8	-0.3		0.6	Intermediate inputs.....	4.1	0.7	-3.2	-1.7		2.4
Value added	1.5	-1.3	-5.8	2.9	-0.6	0.1	Value added	3.8	4.8	-4.4	0.9	1.1	4.3
Wholesale trade:							Private services-producing industries:²						
Gross output	5.6	3.2	1.8	0.3		4.4	Gross output.....	6.1	6.2	1.0	1.8		6.2
Intermediate inputs	6.7	12.1	-7.0	-4.3		9.4	Intermediate inputs.....	7.5	10.4	-0.9	0.4		9.0
Value added	5.2	-0.4	5.9	2.2	2.5	2.4	Value added	5.3	3.7	2.2	2.6	3.6	4.5
Retail trade:													
Gross output	7.9	5.5	1.9	5.6		6.7							
Intermediate inputs	12.2	7.4	-7.4	0.6		9.8							
Value added	5.8	4.5	6.9	7.9	5.0	5.2							
Transportation and warehousing:													
Gross output	3.4	2.0	-4.8	0.0		2.7							
Intermediate inputs	2.4	-1.5	-6.3	0.6		0.5							
Value added	4.2	4.9	-3.4	-0.6	3.0	4.6							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health

care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Shares of current-dollar GDP

On average, the trends in industry shares of current-dollar GDP were stable in 1998–2003 (table D).⁶ The shares of goods-producing industries declined from 21.7 percent in 1998 to 19.2 percent in 2003, primarily reflecting a steady decline in manufacturing (chart 2). During this period, the share of durable-goods manufacturing decreased 1.8 percentage points, and the share of nondurable-goods manufacturing decreased 0.8 percentage point. In 2000–2001, manufacturing’s share dropped more than 1 percentage point; at the detailed industry level, the shares of most manufacturing industries decreased.

For 1998–2003, the decline in the share of the goods-producing industries was offset by an increase in the share of the services-producing industries. The share of services-producing industries increased from 65.8 percent in 1998 to 68.1 percent in 2003. The largest increases were in the information industry group;

6. An industry’s share of current-dollar GDP is a better indicator of the industry’s relative size in the economy than its share of real GDP, because the shares of current-dollar GDP are not dependent on the choice of the reference year.

Table C. Contributions to Percent Change in Real Gross Domestic Product by Industry Group

Line	1999	2000	2001	2002	2003	Average annual rate of change 1998–2000
Percent change:						
1 Gross domestic product	4.5	3.7	0.5	2.2	3.1	4.1
Percentage points:						
2 Private industries	4.31	3.48	0.51	1.97	2.66	3.90
3 Agriculture, forestry, fishing, and hunting.....	0.04	0.12	0.00	0.02	0.02	0.08
4 Mining.....	0.02	-0.04	-0.07	0.00	-0.02	-0.01
5 Utilities.....	0.09	0.11	-0.17	0.10	0.05	0.10
6 Construction.....	0.10	0.03	-0.10	-0.14	0.01	0.07
7 Manufacturing.....	0.67	0.92	-0.78	0.32	0.22	0.79
8 Durable goods.....	0.57	1.00	-0.44	0.15	0.26	0.78
9 Nondurable goods.....	0.09	-0.08	-0.34	0.16	-0.03	0.01
10 Wholesale trade.....	0.32	-0.03	0.35	0.13	0.15	0.15
11 Retail trade.....	0.40	0.30	0.45	0.54	0.36	0.35
12 Transportation and warehousing.....	0.13	0.16	-0.11	-0.02	0.08	0.15
13 Information.....	0.70	0.22	0.16	0.15	0.43	0.46
14 Finance, insurance, real estate, rental, and leasing.....	1.02	1.02	0.47	0.34	0.77	1.02
15 Professional and business services.....	0.60	0.37	0.06	0.28	0.23	0.49
16 Educational services, health care, and social assistance..	0.12	0.19	0.15	0.29	0.23	0.16
17 Arts, entertainment, recreation, accommodation, and food services.....	0.13	0.12	0.03	0.07	0.07	0.12
18 Other services, except government.....	-0.04	-0.01	0.05	-0.10	0.07	-0.02
19 Government	0.14	0.25	0.11	0.15	0.17	0.20
Addenda:						
20 Private goods-producing industries ¹	0.83	1.02	-0.94	0.19	0.22	0.92
21 Private services-producing industries ²	3.48	2.46	1.45	1.78	2.44	2.97

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
 2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and “other services, except government.”
 Note: Percentage-point contributions do not sum to the percent change in gross domestic product because the contribution of “not allocated by industry” is excluded.

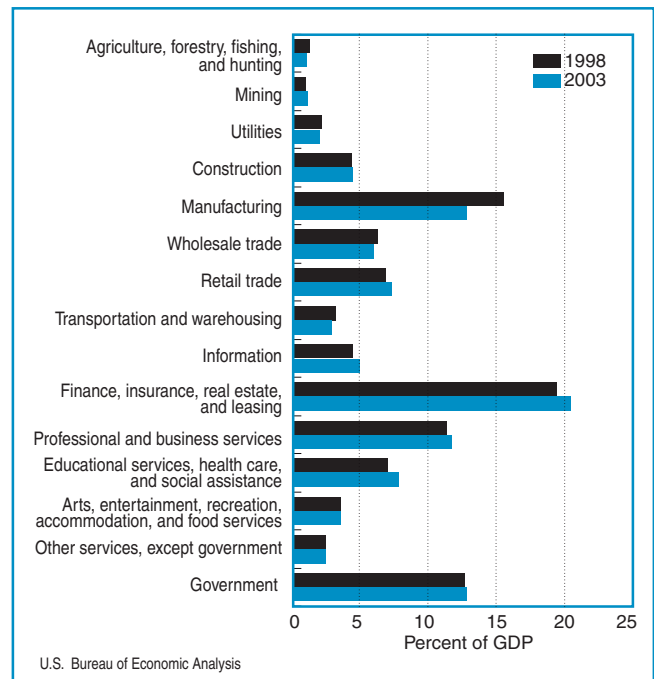
the finance, insurance, real estate, rental, and leasing industry group; and the educational services, health care, and social assistance industry group.

Table D. Value Added by Industry Group in Current Dollars as a Percentage of Gross Domestic Product, 1998–2003
 [Percent]

Line	1998	1999	2000	2001	2002	2003
1 Gross domestic product	100.0	100.0	100.0	100.0	100.0	100.0
2 Private industries	87.5	87.7	87.7	87.5	87.3	87.3
3 Agriculture, forestry, fishing, and hunting.....	1.2	1.0	1.0	1.0	0.9	1.0
4 Mining.....	0.9	0.9	1.2	1.2	1.0	1.1
5 Utilities.....	2.1	2.0	1.9	1.9	1.9	1.9
6 Construction.....	4.3	4.4	4.4	4.5	4.4	4.4
7 Manufacturing.....	15.4	14.8	14.5	13.3	12.9	12.7
8 Durable goods.....	9.2	8.9	8.8	7.8	7.5	7.4
9 Nondurable goods.....	6.1	6.0	5.7	5.5	5.4	5.3
10 Wholesale trade.....	6.2	6.2	6.0	6.0	5.9	5.9
11 Retail trade.....	6.8	6.9	6.7	6.8	7.3	7.2
12 Transportation and warehousing.....	3.1	3.1	3.1	2.9	2.8	2.8
13 Information.....	4.4	4.7	4.7	4.7	4.6	4.9
14 Finance, insurance, real estate, rental, and leasing.....	19.3	19.4	19.7	20.1	20.3	20.3
15 Professional and business services.....	11.2	11.5	11.6	11.8	11.6	11.6
16 Educational services, health care, and social assistance..	6.9	6.8	6.9	7.3	7.6	7.7
17 Arts, entertainment, recreation, accommodation, and food services.....	3.5	3.5	3.6	3.6	3.5	3.5
18 Other services, except government.....	2.4	2.3	2.3	2.5	2.4	2.4
19 Government	12.5	12.3	12.3	12.5	12.7	12.7
Addenda:						
20 Private goods-producing industries ¹	21.7	21.1	21.2	20.1	19.3	19.2
21 Private services-producing industries ²	65.8	66.6	66.5	67.5	68.1	68.1

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
 2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and “other services, except government.”

Chart 2. Shares of Current-dollar GDP



Composition of value added

Value added by industry consists of compensation of employees, “taxes on production and imports, less subsidies,” and gross operating surplus.⁷ An industry’s labor share of production is approximated by its compensation of employees, and its capital share of production is approximated by its gross operating surplus. In general, labor and capital shares for most industries are stable over time, but these shares vary widely across industries.

For 1998–2002, labor’s share of value added for the goods-producing industries ranged between 60.4 percent and 63.1 percent; for the services-producing industries, it ranged between 51.1 percent and 53.2 percent, and for government, it ranged between 83.7 percent and 84.9 percent. Capital’s share of value added for the goods-producing industries ranged between 34.5 percent and 37.1 percent; for the services-producing industries, it ranged between 37.1 percent and 39.4 percent, and for government, it ranged between 16.1 percent and 17.3 percent.

Growth in prices

In 1998–2000, the GDP price index grew at an average annual rate of 1.8 percent, reflecting 0.4-percent growth in prices in the goods-producing industries and 1.9-percent growth in prices in the services-producing industries.⁸ The slower growth in prices in the goods-producing industries primarily reflected the falling prices for IT-related products; value-added prices in the computer and electronic products industry decreased at an average annual rate of 23.8 percent as a result of price declines in both gross output and intermediate inputs. The stronger growth in prices for the services-producing industries was widespread.

In 2001, the GDP price index grew 2.4 percent. Prices in the goods-producing industries continued to grow more slowly than prices in the services-producing industries, partly because of the continued falling prices for computer and electronic products. In the services-producing industries, the growth in prices was strong in the professional and business services indus-

7. Compensation of employees consists of wage and salary accruals and supplements to wages and salaries. Gross operating surplus, in concept, consists of private domestic enterprises’ business income (corporate profits before tax with inventory valuation adjustment and without capital consumption adjustment, proprietors’ income with inventory valuation adjustment and without capital consumption adjustment, rental income of persons without capital consumption adjustment); net interest and miscellaneous payments; business current transfer payments (net); capital consumption allowances; government, households, and institutions consumption of fixed capital; and government enterprises’ current surplus. Proprietors’ income is included in gross operating surplus, but an unknown portion reflects the labor contribution of proprietors.

8. The growth rate of an industry’s value-added price index indicates the extent to which its prices of labor and capital are changing.

try group and in the educational services, health care, and social assistance industry group.

In 2002, the GDP price index grew 1.5 percent. Prices in the goods-producing industries decreased, reflecting the falling prices of IT-related products, and decreases in the prices for petroleum-related products. Prices in the services-producing industries increased.

In 2003, the GDP price index grew 1.7 percent. Prices in both the goods-producing industries and the services-producing industries increased.

Contributions to GDP growth in prices

In 1998–2000, the 1.8-percent average annual growth rate in the GDP price index was accounted for by a contribution of 0.09 percentage point by the goods-producing industries, by a contribution of 1.29 percentage points by the services-producing industries, and by a contribution of 0.39 percentage point by government (table E).⁹ Durable-goods manufacturing

9. An industry’s contribution to the growth in the GDP price index depends on the growth rate of its value-added price index and on its relative size in the economy. As part of this comprehensive revision, an improved formula for computing industry contributions to GDP price growth was introduced. See also “Changes in the Methodology and Presentation.”

Table E. Contributions to Percent Change in the Chain-Type Price Index for Gross Domestic Product by Industry Group

Line		1999	2000	2001	2002	2003	Average annual rate of change 1998–2000
	Percent change:						
1	Gross domestic product	1.4	2.2	2.4	1.5	1.7	1.8
	Percentage points:						
2	Private industries	1.06	1.71	1.79	1.11	1.53	1.38
3	Agriculture, forestry, fishing, and hunting						
4	Mining	-0.13	-0.07	0.05	-0.06	0.11	-0.10
5	Utilities	0.10	0.42	0.04	-0.12	0.21	0.26
6	Construction	-0.04	-0.07	0.23	-0.03	0.05	-0.05
7	Manufacturing	0.26	0.28	0.34	0.19	0.15	0.27
8	Durable goods	-0.32	-0.34	-0.02	-0.26	0.17	-0.33
9	Nondurable goods	-0.41	-0.51	-0.34	-0.17	-0.03	-0.46
10	Wholesale trade	0.08	0.17	0.31	-0.09	0.19	0.13
11	Retail trade	0.07	0.18	-0.23	0.06	0.04	0.12
12	Transportation and warehousing	0.02	-0.02	-0.20	0.22	-0.11	0.00
13	Information	0.02	0.00	0.04	0.02	0.07	0.01
14	Finance, insurance, real estate, rental, and leasing	-0.04	-0.02	0.00	-0.06	0.07	-0.03
15	Professional and business services	0.26	0.39	0.51	0.62	0.20	0.33
16	Educational services, health care, and social assistance	0.39	0.44	0.41	0.04	0.28	0.42
17	Arts, entertainment, recreation, accommodation, and food services	0.25	0.27	0.40	0.30	0.23	0.26
18	Other services, except government	0.12	0.12	0.06	0.05	0.06	0.12
19	Government	0.11	0.12	0.17	0.13	0.01	0.12
	Addenda:						
20	Private goods-producing industries ¹	0.38	0.40	0.46	0.50	0.42	0.39
21	Private services-producing industries ²	-0.10	0.29	0.40	-0.25	0.63	0.09
		1.16	1.42	1.39	1.35	0.89	1.29

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and “other services, except government.”

NOTE: Percentage-point contributions do not sum to the percent change in gross domestic product because the contribution of “not allocated by industry” is excluded.

contributed -0.46 percentage point to the growth in the GDP price index, reflecting the falling prices for IT-related products. Finance, insurance, real estate, rental, and leasing contributed 0.33 percentage point, and professional and business services contributed 0.42 percentage point.

In 2001–2003, the largest contributions to the growth in the GDP price index were made by the services-producing industries. In particular, large contributions were made by the finance, insurance, real estate, rental, and leasing industry group, by the professional and business services industry group, and by the educational services, health care, and social assistance industry group.

Unit costs

An industry's value-added price index represents the price of its capital and labor, so the industry's price index and the current-dollar components of its value added can be used to assess each component's contribution to the total labor costs and capital costs for the industry. The measures of unit costs are computed by dividing current-dollar value added and its components by real (chained-dollar) value added. The resulting quotients are the value-added implicit price index and the part of the price index that is associated with each component. If the percent change in the unit cost for a component is more than the percent change in the value-added price index, the relative importance of that component in the industry cost structure has increased.

In 1998–2000, the average annual increase in the total cost per unit for private industries was 1.6 percent (table F). Unit costs for compensation of employees (unit labor costs) increased an average of 3.2 percent, unit costs for gross operating surplus (unit capital costs) decreased 0.5 percent, and unit costs for "taxes on production and imports, less subsidies" increased 0.3 percent. The increase in unit labor costs indicates that these costs became a larger part of total unit costs during the period. Unit labor costs increased in all industry groups except durable-goods manufacturing and agriculture, forestry, fishing, and hunting.

In 2001, unit labor costs for private industries increased 1.6 percent. These costs increased in all industry groups except durable-goods manufacturing, wholesale trade, retail trade, information, and management of companies and enterprises. In 2002, unit labor costs for private industries decreased 1.9 percent, and unit capital costs increased 5.2 percent. This trend was widespread among all the industry groups.

Domestic supply of commodities

The domestic supply for a commodity is calculated as total commodity output plus net imports, less the

change in private inventories.¹⁰ The uses of a commodity's domestic supply include intermediate inputs, which are consumed by industries in the production process, and other final uses, which consist of personal consumption expenditures (PCE), private fixed investment, and government consumption expenditures and gross investment.

Total commodity output as a percentage of domestic supply decreased from 99.4 percent in 1998 to 97.8 percent in 2002 (table G on page 30). This decrease was partly offset by an increase in net imports—computed as imports less exports—which increased from 1.0 percent of domestic supply in 1998 to 2.2 percent of domestic supply in 2002. In 1998–2002, net imports affected the share of the domestic supply of goods commodities more than that of services commodities; foreign trade tended to be dominated by trade in merchandise rather than trade in services. For goods commodities, the share of net imports increased steadily, from 6.3 percent of domestic supply in 1998 to 10.5 percent in 2002. In goods commodities, manufacturing commodities' share of net imports increased from

10. Commodity output is the domestic production of goods and services grouped by product.

Acknowledgments

Brian C. Moyer, Chief of the Annual Industry Branch, and Mark A. Planting, Chief of the Industry Studies Branch, of the Industry Economics Division supervised the preparation of the estimates. Sumiye Okubo, Associate Director for Industry Accounts, and Ann M. Lawson, Chief of the Industry Economics Division, provided overall guidance. Matthew Atkinson, Felicia V. Candela, Emily J. Dozier, Scott L. Gregoire, Matthew J. Gruenberg, Tameka R. L. Harris, Thomas F. Howells, Paul V. Kern, Abigail M. Kish, Edward A. Kocis, Greg Linder, Sherlene K.S. Lum, Robert J. McCahill, Gabriel W. Medeiros, Michael J. Murphy, William H. Nicolls IV, Robert S. Robinowitz, George M. Smith, Shawn L. Snyder, and Erich H. Strassner prepared the estimates. The Benchmark Input-Output Branch assisted in the incorporation of the results of the 2003 comprehensive revision of the national income and product accounts. Karen J. Horowitz and Robert E. Yuskavage provided valuable assistance.

Staff members of the National Income and Wealth Division, the Government Division, and the Regional Economic Analysis Division contributed to the development of the estimates. Staff members of the Office of the Chief Information Officer, particularly Stephen P. Holliday, Brian D. Kajutti, Paul A. Kilday, Douglas J. Klear, Janice E. Townsend, and Rajeshwari R. Bhosale helped reengineer the data-processing application that was used to prepare the estimates.

7.3 percent in 1998 to 12.1 percent in 2002.

Intermediate inputs used the largest share of domestic supply (table H on page 31). For the goods commodities, the share of intermediate use decreased from 53.3 percent in 1998 to 51.1 percent in 2002; for manufacturing commodities, the share of intermediate use dropped substantially, from 58.2 percent in 1998 to 55.6 percent in 2002. For manufacturing, this decrease was more than offset by PCE's share of domestic sup-

ply, which increased from 25.5 percent in 1998 to 29.0 percent in 2003. The share of private fixed investment for the goods commodities remained stable in the 1998–2002 period, ranging from 21.7 percent to 22.5 percent.

For the services commodities, PCE used the largest share of domestic supply. In 1998–2002, PCE's share ranged between 49.8 percent and 52.1 percent. In 1998–2002, the commodity groups with the largest

Table F. Percent Changes in Current-Dollar Cost Per Unit of Real Value Added by Private Industry Group

Line		1999	2000	2001	2002	Average annual rate of change 1998–2000	Line		1999	2000	2001	2002	Average annual rate of change 1998–2000
1	Private industries	1.2	1.9	2.0	1.3	1.6	61	Professional and business services	3.5	3.8	3.6	0.3	3.7
2	Compensation of employees.....	2.2	4.2	1.6	-1.9	3.2	62	Compensation of employees.....	4.6	6.3	0.8	-3.4	5.5
3	Taxes on production and imports less subsidies.....	-0.8	1.3	1.0	4.8	0.3	63	Taxes on production and imports less subsidies.....	2.4	4.3	2.1	0.7	3.3
4	Gross operating surplus.....	0.2	-1.2	2.9	5.2	-0.5	64	Gross operating surplus.....	0.6	-3.1	12.4	10.6	-1.3
5	Agriculture, forestry, fishing, and hunting	-11.4	-6.8	5.2	-6.3	-9.1	65	Professional, scientific, and technical services	2.0	1.6	4.2	1.3	1.8
6	Compensation of employees.....	2.2	-6.3	3.9	-1.5	-2.1	66	Compensation of employees.....	4.7	6.6	1.6	-2.7	5.7
7	Taxes on production and imports less subsidies.....	128.2	-2.8	-10.5	-72.4	48.9	67	Taxes on production and imports less subsidies.....	1.6	-0.6	3.5	4.4	0.5
8	Gross operating surplus.....	-6.9	-6.3	2.9	-18.9	-6.6	68	Gross operating surplus.....	-3.9	-9.9	11.3	11.0	-6.9
9	Mining	11.3	48.2	3.3	-10.8	28.4	69	Management of companies and enterprises	7.8	8.9	-1.8	-0.3	8.3
10	Compensation of employees.....	-5.8	12.2	14.0	-3.2	2.8	70	Compensation of employees.....	5.8	9.7	-8.5	-8.5	7.7
11	Taxes on production and imports less subsidies.....	-4.5	27.7	13.4	-9.5	10.4	71	Taxes on production and imports less subsidies.....	5.4	7.2	-9.9	-11.2	6.3
12	Gross operating surplus.....	37.5	82.8	-3.9	-15.6	58.6	72	Gross operating surplus.....	17.6	5.6	29.7	26.7	11.5
13	Utilities	-2.0	-3.4	12.6	-1.8	-2.7	73	Administrative and waste management services	4.4	6.0	5.7	-1.6	5.2
14	Compensation of employees.....	-1.1	2.9	13.9	-3.1	0.9	74	Compensation of employees.....	4.0	4.5	5.5	-1.8	4.2
15	Taxes on production and imports less subsidies.....	-1.2	-2.2	-9.0	25.8	-1.7	75	Taxes on production and imports less subsidies.....	2.5	14.0	7.2	0.0	8.1
16	Gross operating surplus.....	-2.5	-6.0	18.0	-7.1	-4.3	76	Gross operating surplus.....	6.0	10.3	6.3	-0.9	8.1
17	Construction	6.1	6.6	7.7	4.4	6.3	77	Educational services, health care, and social assistance	3.6	4.0	5.7	4.2	3.8
18	Compensation of employees.....	8.6	8.7	8.3	4.1	8.7	78	Compensation of employees.....	3.5	4.5	5.6	3.4	4.0
19	Taxes on production and imports less subsidies.....	5.8	4.4	8.9	8.8	5.1	79	Taxes on production and imports less subsidies.....	3.9	2.7	3.8	3.4	3.3
20	Gross operating surplus.....	0.5	1.6	6.1	5.0	1.1	80	Gross operating surplus.....	4.3	2.3	6.1	7.9	3.3
21	Manufacturing	-2.1	-2.3	-0.2	-1.9	-2.2	81	Educational services	5.5	6.0	7.0	6.2	5.7
22	Compensation of employees.....	-0.8	1.2	0.9	-5.8	0.2	82	Compensation of employees.....	5.5	6.3	7.3	6.7	5.9
23	Taxes on production and imports less subsidies.....	-2.2	0.6	8.6	3.0	-0.8	83	Taxes on production and imports less subsidies.....	4.7	3.9	5.1	6.6	4.3
24	Gross operating surplus.....	-4.2	-8.7	-3.1	5.6	-6.5	84	Gross operating surplus.....	5.6	2.5	2.8	0.3	4.1
25	Durable goods.....	-4.3	-5.5	-4.0	-2.2	-4.9	85	Health care and social assistance	3.4	3.8	5.5	3.9	3.6
26	Compensation of employees.....	-1.7	-2.4	-0.9	-6.7	-2.1	86	Compensation of employees.....	3.2	4.2	5.4	2.9	3.7
27	Taxes on production and imports less subsidies.....	-3.0	-6.7	9.4	4.3	-4.9	87	Taxes on production and imports less subsidies.....	3.7	2.5	3.6	3.0	3.1
28	Gross operating surplus.....	-10.0	-12.8	-13.1	11.4	-11.5	88	Gross operating surplus.....	4.3	2.2	6.2	8.0	3.3
29	Nondurable goods.....	1.4	2.8	5.6	-1.5	2.1	89	Arts, entertainment, recreation, accommodation, and food services	3.4	3.4	1.8	1.5	3.4
30	Compensation of employees.....	0.2	6.2	4.3	-3.7	3.1	90	Compensation of employees.....	3.2	5.1	3.3	1.7	4.1
31	Taxes on production and imports less subsidies.....	0.0	9.8	8.5	1.9	4.8	91	Taxes on production and imports less subsidies.....	4.7	2.4	1.5	0.5	3.6
32	Gross operating surplus.....	3.0	-1.9	6.8	0.7	0.5	92	Gross operating surplus.....	3.3	0.1	-1.9	1.6	1.7
33	Wholesale trade	1.1	2.8	-3.8	1.0	2.0	93	Arts, entertainment, and recreation	5.1	4.9	4.5	3.4	5.0
34	Compensation of employees.....	2.5	5.1	-4.0	-2.4	3.8	94	Compensation of employees.....	4.8	9.8	3.9	3.0	7.3
35	Taxes on production and imports less subsidies.....	-1.6	3.6	-5.2	-0.6	1.0	95	Taxes on production and imports less subsidies.....	8.3	2.9	2.4	3.1	5.5
36	Gross operating surplus.....	0.6	-3.2	-1.6	11.3	-1.3	96	Gross operating surplus.....	4.7	-3.4	6.6	4.3	0.6
37	Retail trade	0.3	-0.3	-2.9	3.2	0.0	97	Accommodation and food services	2.8	3.0	0.8	0.9	2.9
38	Compensation of employees.....	1.6	3.1	-3.1	-5.4	2.3	98	Compensation of employees.....	2.7	3.5	3.2	1.2	3.1
39	Taxes on production and imports less subsidies.....	1.0	1.2	-4.8	-5.9	1.1	99	Taxes on production and imports less subsidies.....	3.7	2.2	1.3	-0.2	3.0
40	Gross operating surplus.....	-3.9	-10.7	0.0	39.0	-7.4	100	Gross operating surplus.....	2.7	1.9	-5.4	0.5	2.3
41	Transportation and warehousing	0.8	0.0	1.3	0.5	0.4	101	Other services, except government	4.8	5.4	7.0	5.4	5.1
42	Compensation of employees.....	2.1	2.1	5.7	-0.2	2.1	102	Compensation of employees.....	6.7	6.1	2.4	11.9	6.4
43	Taxes on production and imports less subsidies.....	1.1	1.9	-35.6	72.0	1.5	103	Taxes on production and imports less subsidies.....	7.8	6.1	0.0	8.0	6.9
44	Gross operating surplus.....	-2.1	-4.7	-2.2	-6.3	-3.4	104	Gross operating surplus.....	-0.6	3.6	21.9	-10.5	1.5
45	Information	-0.8	-0.4	0.1	-1.2	-0.6		Addenda:					
46	Compensation of employees.....	1.0	8.9	-4.8	-10.1	4.8	106	Private goods-producing industries ¹	-0.5	1.4	1.9	-1.3	0.4
47	Taxes on production and imports less subsidies.....	-6.9	1.5	-2.3	-1.4	-2.8	107	Compensation of employees.....	1.2	3.0	3.1	-3.2	2.1
48	Gross operating surplus.....	-1.6	-11.5	7.5	10.2	-6.7	108	Taxes on production and imports less subsidies.....	-17.1	5.1	13.8	19.9	-6.6
49	Finance, insurance, real estate, rental, and leasing	1.4	2.0	2.6	3.1	1.7	109	Gross operating surplus.....	-2.0	-1.5	-0.9	0.8	-1.8
50	Compensation of employees.....	2.0	4.7	4.0	-1.5	3.4	110	Private services-producing industries ²	1.8	2.1	2.1	2.0	1.9
51	Taxes on production and imports less subsidies.....	0.0	-0.2	4.0	6.2	-0.1	111	Compensation of employees.....	2.7	4.7	1.4	-1.3	3.7
52	Gross operating surplus.....	1.3	1.3	1.8	4.4	1.3	112	Taxes on production and imports less subsidies.....	0.3	1.2	-1.1	3.4	0.8
53	Finance and insurance	-0.8	-0.2	1.1	2.8	-0.5	113	Gross operating surplus.....	0.9	-1.1	3.9	6.3	-0.1
54	Compensation of employees.....	0.7	1.1	3.7	-2.0	0.9							
55	Taxes on production and imports less subsidies.....	-1.8	-5.6	1.6	4.9	-3.7							
56	Gross operating surplus.....	-2.5	-1.5	-2.6	9.5	-2.0							
57	Real estate and rental and leasing	2.7	3.4	3.6	3.3	3.1							
58	Compensation of employees.....	2.3	6.4	2.8	1.6	4.3							
59	Taxes on production and imports less subsidies.....	1.0	2.5	4.7	6.4	1.8							
60	Gross operating surplus.....	3.0	3.3	3.4	2.9	3.2							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health

care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

PCE shares of domestic supply included retail trade; finance, insurance, real estate, rental and leasing; educational services, health care and social assistance; arts, entertainment, recreation, accommodation, and food services; and “other services, except government.” The share of domestic supply used by private fixed investment was relatively small, ranging from 3.5 percent to 3.8 percent.

Changes in the Methodology and Presentation

As part of this comprehensive revision of the annual industry accounts, major improvements to the industry and national economic accounts have been incorporated. As a result, the following information is presented: An overview of the integration methodology; the effects of the 2003 comprehensive NIPA revision;

the use of the 1997 NAICS in the annual I-O accounts and the GDP-by-industry accounts; the improved formulas for computing industry contributions to real GDP growth and contributions to GDP price growth; and the resulting changes in the presentation that reflect the other changes due to the comprehensive revision.

Integration methodology

The methodology used to integrate the annual I-O accounts and the GDP-by-industry accounts provides more timely and accurate measures of industry and commodity gross output, intermediate inputs, and value added by industry.¹¹ The new methodology

11. For a detailed description of the new methodology, see Brian C. Moyer, et al., 43.

Table G. Components of Domestic Supply by Commodity Group in Current Dollars as a Percentage of Domestic Supply, 1998–2002

[Percent]

	1998	1999	2000	2001	2002		1998	1999	2000	2001	2002
All commodities¹	100.0	100.0	100.0	100.0	100.0	Information	100.0	100.0	100.0	100.0	100.0
Total commodity output	99.4	98.9	98.3	97.9	97.8	Total commodity output	103.3	103.2	102.9	102.6	102.4
Imports of goods and services	6.5	6.9	7.4	6.9	7.0	Imports of goods and services	0.5	0.5	0.5	0.4	0.4
Exports of goods and services	-5.5	-5.3	-5.4	-5.0	-4.8	Exports of goods and services	-3.7	-3.4	-3.2	-3.1	-2.9
Change in private inventories	-0.4	-0.4	-0.3	0.2	0.0	Change in private inventories	-0.1	-0.3	-0.2	0.0	0.0
Agriculture, forestry, fishing, and hunting	100.0	100.0	100.0	100.0	100.0	Finance, insurance, real estate, rental, and leasing	100.0	100.0	100.0	100.0	100.0
Total commodity output	100.7	98.1	98.1	99.0	97.8	Total commodity output	102.0	102.0	102.0	101.7	101.7
Imports of goods and services	9.2	9.3	9.5	9.2	9.6	Imports of goods and services	0.4	0.4	0.5	0.7	0.8
Exports of goods and services	-9.5	-7.7	-8.0	-8.1	-8.3	Exports of goods and services	-2.4	-2.5	-2.5	-2.4	-2.5
Change in private inventories	-0.4	0.3	0.4	-0.1	0.9	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Mining	100.0	100.0	100.0	100.0	100.0	Professional and business services	100.0	100.0	100.0	100.0	100.0
Total commodity output	77.3	71.7	66.6	70.2	67.3	Total commodity output	102.3	102.5	102.2	102.4	102.4
Imports of goods and services	26.9	30.9	35.3	31.7	34.7	Imports of goods and services	0.4	0.5	0.4	0.5	0.5
Exports of goods and services	-3.7	-2.0	-1.4	-1.3	-1.5	Exports of goods and services	-2.7	-2.9	-2.6	-2.8	-2.9
Change in private inventories	-0.4	-0.5	-0.5	-0.6	-0.5	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Utilities	100.0	100.0	100.0	100.0	100.0	Educational services, health care, and social assistance	100.0	100.0	100.0	100.0	100.0
Total commodity output	99.9	99.8	99.5	99.7	99.9	Total commodity output	100.0	100.0	100.0	100.0	100.0
Imports of goods and services	0.3	0.4	0.8	0.7	0.3	Imports of goods and services	0.1	0.0	0.0	0.0	0.1
Exports of goods and services	-0.2	-0.2	-0.2	-0.4	-0.2	Exports of goods and services	0.0	0.0	0.0	0.0	0.0
Change in private inventories	0.0	0.0	0.0	0.0	0.0	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Construction	100.0	100.0	100.0	100.0	100.0	Arts, entertainment, recreation, accommodation, and food services	100.0	100.0	100.0	100.0	100.0
Total commodity output	100.0	100.0	100.0	100.0	100.0	Total commodity output	100.0	100.1	100.1	100.1	100.1
Imports of goods and services	0.0	0.0	0.0	0.0	0.0	Imports of goods and services	0.0	0.0	0.0	0.0	0.0
Exports of goods and services	0.0	0.0	0.0	0.0	0.0	Exports of goods and services	-0.1	-0.1	-0.1	-0.1	-0.1
Change in private inventories	0.0	0.0	0.0	0.0	0.0	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Manufacturing	100.0	100.0	100.0	100.0	100.0	Other services, except government	100.0	100.0	100.0	100.0	100.0
Total commodity output	93.5	92.0	90.8	88.2	88.1	Total commodity output	99.8	99.7	99.7	99.7	99.7
Imports of goods and services	20.4	21.5	23.3	22.7	23.6	Imports of goods and services	0.2	0.3	0.3	0.3	0.3
Exports of goods and services	-13.1	-12.2	-12.7	-12.1	-11.5	Exports of goods and services	0.0	0.0	0.0	0.0	0.0
Change in private inventories	-0.8	-1.3	-1.4	1.2	-0.2	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Wholesale trade	100.0	100.0	100.0	100.0	100.0	Government	100.0	100.0	100.0	100.0	100.0
Total commodity output	112.6	112.0	112.6	110.6	111.0	Total commodity output	100.0	100.0	100.0	100.0	100.0
Imports of goods and services	-3.0	-2.7	-2.8	-2.7	-2.6	Imports of goods and services	0.0	0.0	0.0	0.0	0.0
Exports of goods and services	-9.1	-8.5	-8.9	-8.4	-8.4	Exports of goods and services	0.0	0.0	0.0	0.0	0.0
Change in private inventories	-0.5	-0.9	-0.9	0.6	0.0	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Retail trade	100.0	100.0	100.0	100.0	100.0	Addenda:					
Total commodity output	100.0	100.0	100.0	100.0	100.0	Goods²	100.0	100.0	100.0	100.0	100.0
Imports of goods and services	0.0	0.0	0.0	0.0	0.0	Total commodity output	94.3	92.8	91.4	89.8	89.6
Exports of goods and services	0.0	0.0	0.0	0.0	0.0	Imports of goods and services	16.9	17.9	19.6	18.8	19.4
Change in private inventories	0.0	0.0	0.0	0.0	0.0	Exports of goods and services	-10.6	-9.7	-9.9	-9.4	-8.9
Transportation and warehousing	100.0	100.0	100.0	100.0	100.0	Change in private inventories	-0.6	-1.0	-1.0	0.8	-0.1
Total commodity output	105.7	109.2	109.3	108.2	109.0	Services³	100.0	100.0	100.0	100.0	100.0
Imports of goods and services	2.1	2.8	3.0	2.8	2.3	Total commodity output	102.4	102.6	102.5	102.2	102.2
Exports of goods and services	-7.4	-11.6	-11.9	-11.1	-11.2	Imports of goods and services	0.2	0.2	0.2	0.3	0.3
Change in private inventories	-0.5	-0.3	-0.4	0.2	-0.1	Exports of goods and services	-2.5	-2.7	-2.6	-2.5	-2.5
						Change in private inventories	-0.1	-0.1	-0.1	0.0	0.0

1. Includes noncomparable imports, scrap, used goods, inventory valuation adjustment, and rest-of-the-world adjustments.

2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance,

insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and “other services, except government.”

consists of four steps.

First, "best-level" estimates of value added by industry are prepared by taking a weighted average of the value-added estimates from the 1997 benchmark I-O accounts (which have been revised to incorporate the results of the 2003 comprehensive NIPA revision) and the value-added estimates that are based on gross domestic income (GDI) by industry from the NIPAs.¹² The weights are determined by the relative quality of the source data underlying each set of value-added es-

timates. Because this procedure merges the best available information, it improves the accuracy of the value-added estimates. Finally, the sum of value added of all the industries is adjusted to equal GDP (with no statistical discrepancy).¹³

Second, the "best-level" value-added estimates are extrapolated forward by the percentage changes in the annual estimates of GDI by industry from the NIPAs. These GDI-by-industry estimates incorporated the results from the 1997 enterprise-establishment

12. The estimates of compensation of employees and "taxes on production and imports, less subsidies" in the 1997 benchmark I-O accounts were revised to be consistent with those published in the NIPAs.

13. The "best-level" estimates for 1997 were prepared only to produce the integrated annual I-O accounts and GDP-by-industry accounts for 1998–2002, so they were not formalized into a full set of accounts.

Table H. Use of Domestic Supply by Commodity Group in Current Dollars as a Percentage of Domestic Supply, 1998–2002

[Percent]

	1998	1999	2000	2001	2002		1998	1999	2000	2001	2002
All commodities ¹	100.0	100.0	100.0	100.0	100.0	Private fixed investment.....	7.5	7.4	7.5	6.9	6.5
Personal consumption expenditures.....	36.8	36.7	36.4	37.5	38.5	Government consumption expenditures and gross investment.....	0.8	0.8	0.7	0.9	0.7
Private fixed investment.....	9.0	9.1	9.1	8.8	8.3	Total intermediate use.....	55.6	57.3	58.7	59.6	59.6
Government consumption expenditures and gross investment.....	9.5	9.5	9.3	9.7	10.1	Finance, insurance, real estate, rental, and leasing	100.0	100.0	100.0	100.0	100.0
Total intermediate use.....	44.8	44.7	45.2	44.0	43.1	Personal consumption expenditures.....	54.2	53.9	52.6	53.8	55.5
Agriculture, forestry, fishing, and hunting	100.0	100.0	100.0	100.0	100.0	Private fixed investment.....	2.0	2.1	1.9	2.0	2.2
Personal consumption expenditures.....	14.5	14.8	15.3	15.4	16.1	Government consumption expenditures and gross investment.....	0.0	0.0	0.0	0.0	0.0
Private fixed investment.....	0.0	0.0	0.0	0.0	0.0	Total intermediate use.....	43.8	44.1	45.4	44.1	42.3
Government consumption expenditures and gross investment.....	-0.6	-0.1	-0.7	-0.2	0.0	Professional and business services	100.0	100.0	100.0	100.0	100.0
Total intermediate use.....	86.1	85.3	85.4	84.8	83.9	Personal consumption expenditures.....	7.8	7.6	7.3	7.5	7.7
Mining	100.0	100.0	100.0	100.0	100.0	Private fixed investment.....	7.1	7.8	8.5	7.8	7.4
Personal consumption expenditures.....	0.0	0.0	0.0	0.0	0.0	Government consumption expenditures and gross investment.....	1.2	1.2	1.1	1.3	1.1
Private fixed investment.....	13.3	10.3	9.0	13.0	9.7	Total intermediate use.....	83.9	83.3	83.1	83.4	83.8
Government consumption expenditures and gross investment.....	0.0	0.0	0.0	0.0	0.0	Educational services, health care, and social assistance	100.0	100.0	100.0	100.0	100.0
Total intermediate use.....	86.7	89.7	91.0	87.0	90.3	Personal consumption expenditures.....	96.1	95.9	96.1	96.2	96.2
Utilities	100.0	100.0	100.0	100.0	100.0	Private fixed investment.....	0.0	0.0	0.0	0.0	0.0
Personal consumption expenditures.....	45.1	45.8	44.8	45.7	45.7	Government consumption expenditures and gross investment.....	0.0	0.0	0.0	0.0	0.0
Private fixed investment.....	0.0	0.0	0.0	0.0	0.0	Total intermediate use.....	3.9	4.1	3.9	3.8	3.8
Government consumption expenditures and gross investment.....	0.0	0.0	0.0	0.0	0.0	Arts, entertainment, recreation, accommodation, and food services	100.0	100.0	100.0	100.0	100.0
Total intermediate use.....	54.9	54.2	55.2	54.3	54.3	Personal consumption expenditures.....	77.2	77.2	77.0	77.3	77.1
Construction	100.0	100.0	100.0	100.0	100.0	Private fixed investment.....	0.0	0.0	0.0	0.0	0.0
Personal consumption expenditures.....	0.0	0.0	0.0	0.0	0.0	Government consumption expenditures and gross investment.....	0.0	0.0	0.0	0.0	0.0
Private fixed investment.....	69.0	68.8	68.7	67.9	66.4	Total intermediate use.....	22.8	22.8	23.0	22.7	22.9
Government consumption expenditures and gross investment.....	19.0	19.3	19.3	19.8	20.9	Other services, except government	100.0	100.0	100.0	100.0	100.0
Total intermediate use.....	12.0	11.9	11.9	12.3	12.7	Personal consumption expenditures.....	65.6	64.5	64.7	64.6	66.6
Manufacturing	100.0	100.0	100.0	100.0	100.0	Private fixed investment.....	0.0	0.0	0.0	0.0	0.0
Personal consumption expenditures.....	25.5	26.3	26.8	28.8	29.0	Government consumption expenditures and gross investment.....	0.0	0.0	0.0	0.0	0.0
Private fixed investment.....	14.6	14.8	14.6	14.0	13.4	Total intermediate use.....	34.4	35.5	35.3	35.4	33.4
Government consumption expenditures and gross investment.....	1.7	1.8	1.8	1.9	2.1	Government	100.0	100.0	100.0	100.0	100.0
Total intermediate use.....	58.2	57.2	56.8	55.4	55.6	Personal consumption expenditures.....	3.1	3.0	2.9	2.9	2.8
Wholesale trade	100.0	100.0	100.0	100.0	100.0	Private fixed investment.....	0.0	0.0	0.0	0.0	0.0
Personal consumption expenditures.....	33.9	33.6	34.5	36.5	36.3	Government consumption expenditures and gross investment.....	92.2	92.3	92.5	92.7	93.0
Private fixed investment.....	10.9	11.0	10.7	9.9	9.4	Total intermediate use.....	4.7	4.7	4.6	4.4	4.2
Government consumption expenditures and gross investment.....	1.1	1.1	1.0	1.0	1.0	Addenda:					
Total intermediate use.....	54.1	54.3	53.8	52.6	53.2	Goods ²	100.0	100.0	100.0	100.0	100.0
Retail trade	100.0	100.0	100.0	100.0	100.0	Personal consumption expenditures.....	20.1	20.6	20.7	21.9	22.1
Personal consumption expenditures.....	84.3	83.8	83.5	84.9	86.5	Private fixed investment.....	22.3	22.5	22.3	22.4	21.7
Private fixed investment.....	4.6	4.7	4.3	3.8	4.1	Government consumption expenditures and gross investment.....	4.3	4.4	4.4	4.7	5.1
Government consumption expenditures and gross investment.....	0.0	0.0	0.0	0.0	0.0	Total intermediate use.....	53.3	52.4	52.7	51.1	51.1
Total intermediate use.....	11.1	11.5	12.2	11.3	9.3	Services ³	100.0	100.0	100.0	100.0	100.0
Transportation and warehousing	100.0	100.0	100.0	100.0	100.0	Personal consumption expenditures.....	51.1	50.6	49.8	50.7	52.1
Personal consumption expenditures.....	25.5	26.0	26.4	25.6	24.2	Private fixed investment.....	3.6	3.8	3.8	3.6	3.5
Private fixed investment.....	2.2	2.0	2.0	2.0	2.0	Government consumption expenditures and gross investment.....	0.4	0.4	0.3	0.4	0.3
Government consumption expenditures and gross investment.....	0.2	0.2	0.1	0.2	0.2	Total intermediate use.....	44.9	45.3	46.0	45.3	44.1
Total intermediate use.....	72.1	71.9	71.5	72.2	73.7						
Information	100.0	100.0	100.0	100.0	100.0						
Personal consumption expenditures.....	36.1	34.5	33.0	32.6	33.2						

1. Includes noncomparable imports, scrap, used goods, inventory valuation adjustment, and rest-of-the-world adjustments.

2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance,

insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

conversion process, which used data on employment to convert the data on corporate profits before tax, corporate net interest, and corporate capital consumption allowances from an enterprise basis to an establishment basis.

Third, time series estimates of industry and commodity gross output are prepared. The commodity composition of intermediate inputs is estimated for each industry. The domestic supply of each commodity and the commodity composition of each GDP expenditure component is estimated. The annual I-O use tables are then balanced, using a biproportional adjustment procedure.

Fourth, price and quantity indexes for gross output and intermediate inputs are prepared for each industry. Using the double-deflation procedure, the balanced estimates of gross output and intermediate inputs are deflated with price indexes for gross output and intermediate inputs to derive price and quantity indexes for value added by industry.

As a result of the integration, the annual I-O accounts and the GDP-by-industry accounts provide consistent measures of gross output, intermediate inputs, and value added by industry. This consistency is demonstrated by comparing the current-dollar estimates of GDP-by-industry with the annual I-O estimates. For example, in 2002, in the GDP-by-industry accounts, value added for the information industry group is \$484.0 billion, which equals gross output of \$1,001.0 billion less intermediate inputs of \$517.0 billion. In the annual I-O use table, the information industry group produces total industry output of \$1,001.0 billion by consuming \$517.0 billion in intermediate inputs and \$484.0 billion in total value added (table I).¹⁴

In addition, the integration ensures that these estimates are in balance with the NIPA final uses of commodities that compose GDP. In a balanced I-O framework, commodity gross output is consumed by industries, or it is consumed by final uses; that is, commodity output is allocated between intermediate inputs and final consumption. For example, in 2002, the gross output of the information commodity group was \$854.9 billion, and \$497.4 billion of this output was consumed by industries as intermediate inputs, and \$357.6 billion was consumed by final uses. This bal-

anced framework ensures that an industry's intermediate inputs (or all the commodities consumed by the industry) are consistent with the industry's gross output and value added and that they are also consistent with the NIPA final uses.

2003 comprehensive NIPA revision

This comprehensive revision of the annual industry accounts incorporates the definitional and statistical changes from the 2003 comprehensive revision of the NIPAs. These changes include changes in the definitions of industry and commodity gross output, of intermediate inputs by industry, and of the components of value added by industry. The changes that have major, widespread effects on the industry estimates were the changes in the definitions of gross output of commercial banks and of property and casualty insurance companies.

The services that commercial banks implicitly charge borrowers are included in commercial banks' gross output.¹⁵ These charges are for financial intermediation and are measured by the difference between the interest that banks receive from borrowers and the interest that banks would otherwise receive investing in liquid, risk-free securities. Recognizing these implicit charges to borrowers increases the intermediate inputs and reduces the value added (gross operating surplus) of all industries with bank loans.

The gross output of property and casualty insurance companies now includes implicit charges for financial intermediation—that is, charges for investing reserves that are held to help cover extraordinary losses.¹⁶ These charges are measured by the value of expected investment income on policyholder reserves. In addition, the gross output of these companies is also changed to reflect the normal losses that the companies take into account in setting premiums instead of the actual losses that the companies incur. The new definition reduces the large swings in gross output that would result in years of catastrophes. Both the recognition of implicit charges to policyholders and the use of normal losses in the definition of the gross output of these companies are reflected in the intermediate inputs of all industries with property and casualty insurance policies.

Other NIPA definitional changes are more industry specific.¹⁷ Measures of gross output and intermediate

14. In the I-O use table, the columns represent industries and the rows represent commodities and value added. The intersection of a column and row represents an industry's consumption of intermediate inputs (commodities) or its consumption of value added (capital and labor). Therefore, the intersection of the information industry group column with the total intermediate inputs row reflects the information industry's total consumption of intermediate inputs; alternatively, the intersection of the information industry's column with the total value added row reflects the information industry's total consumption of value added.

15. See Dennis J. Fixler, Marshall B. Reinsdorf, and George M. Smith, "Measuring the Services of Commercial Banks in the NIPAs: Changes in Concepts and Methods," *SURVEY* 83 (September 2003): 33–44.

16. See Baoline Chen and Dennis J. Fixler, "Measuring the Services of Property-Casualty Insurance in the NIPAs: Changes in Concepts and Methods," *SURVEY* 83 (October 2003): 10–26.

17. See Brent R. Moulton and Eugene P. Seskin, "Preview of the 2003 Comprehensive Revision of the National Income and Product Accounts: Changes in Definitions and Classifications," *SURVEY* 83 (June 2003): 17–34.

SURVEY OF CURRENT BUSINESS

June 2004

Table I. The Use of Commodities by Industries, 2002
(Millions of dollars)

Commodities/ Industries	Use of Commodities															Total intermediate products	Personal consumption expenditures	Private fixed investment	Change in private inventories	Exports of goods and services	Imports of goods and services	Government consumption and gross investment	Total final uses (GDP)	Total commodity output	
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15										
01 Agriculture, forestry, fishing, and hunting	55,800	1	23	912	138,434	1,993	258	8	11	1,510	5,950	603	9,154	304	1,551	216,512	41,589	-2,273	21,460	-24,867	-115	35,794	252,306	180,481
02 Mining	386	22,476	60,507	5,666	139,358	17	10	2,519	1	1,451	106	10	28	8	9,497	242,059	104	26,042	1,302	4,004	-93,030	-61,579	176,990	387,440
03 Utilities	5,958	2,574	359	3,078	48,427	5,412	12,364	3,311	4,819	28,519	14,330	11,433	15,736	5,937	48,192	210,450	177,440	761	-1,210	1,759,990	387,440
04 Construction	895	33	5,446	1,014	8,118	2,040	4,017	1,452	3,443	28,388	8,256	9,357	6,248	3,735	44,271	126,711	.....	660,941	.....	83	.....	207,740	888,753	995,474
05 Manufacturing	46,582	17,781	13,808	207,916	1,257,656	40,653	57,564	60,001	69,820	80,111	78,627	114,351	99,728	57,606	194,326	2,386,539	1,246,230	576,086	7,031	486,353	-1,016,279	89,487	1,400,908	3,797,446	
06 Wholesale trade	10,432	2,658	2,249	23,094	221,251	23,002	7,539	11,768	12,030	9,909	13,264	16,767	19,517	8,583	29,898	411,960	281,232	72,955	325	64,962	19,919	8,071	447,463	859,423	
07 Retail trade	165	287	98	47,482	10,269	1,780	2,840	1,578	541	11,085	5,979	2,244	2,116	6,726	156	93,346	866,450	41,380	.....	1	.....	.....	907,831	1,001,177
08 Transportation and warehousing	7,590	4,705	24,518	15,712	117,205	13,613	17,547	71,823	9,147	27,436	22,354	14,208	8,812	5,287	35,469	395,428	129,780	10,700	371	59,962	-12,141	917	189,589	585,017	
09 Information	1,178	467	750	8,761	38,819	13,147	15,495	9,036	193,016	27,802	68,779	33,419	15,520	12,538	58,631	497,360	276,936	54,370	-217	24,293	-3,717	5,907	357,572	854,382	
10 Finance, insurance, real estate, rental, and leasing	14,229	17,657	8,448	29,222	100,451	37,975	69,142	30,251	59,948	570,465	111,938	115,665	57,455	39,889	75,169	1,337,903	1,754,498	70,685	.....	79,235	-26,508	.....	1,877,909	3,215,812
11 Professional and business services	4,767	14,160	10,680	77,411	310,604	83,443	122,422	50,723	119,131	239,495	279,027	127,013	48,998	43,689	197,095	1,728,656	158,348	152,679	.....	60,503	-10,071	22,924	384,383	2,113,039
12 Educational services, health care, and social assistance	9	107	633	105	2,605	700	517	510	2,519	955	2,129	11,565	600	842	31,559	55,352	1,402,318	.....	.....	615	-958	.....	1,401,975	1,457,227
13 Arts, entertainment, recreation, accommodation, and food services	395	840	1,221	2,018	18,959	4,737	5,866	4,049	15,270	22,726	28,512	21,189	20,529	4,172	20,478	170,960	577,160	.....	.....	608	-110	.....	577,658	748,618
14 Other services except government	3,259	287	917	10,189	44,013	7,095	7,806	8,554	13,854	22,132	22,201	11,078	7,695	6,172	28,486	193,738	386,450	.....	2	145	-1,678	.....	383,720	577,457
15 Government	113	28	398	1,167	3,232	3,247	4,473	1,172	4,594	9,147	13,182	14,200	3,218	3,746	9,607	71,523	48,671	.....	.....	248	.....	1,597,951	1,646,870	1,718,393
16 Other inputs	116	898	80	510	41,682	7,919	911	15,811	8,865	16,205	6,464	236	380	1,062	17,563	118,591	37,108	-81,976	-1,177	98,649	-167,281	-348	-115,026	3,565	
Total Intermediate	151,875	84,957	130,134	434,276	2,501,094	246,673	328,771	272,566	517,010	1,097,334	681,098	503,347	315,712	200,295	801,947	8,267,088
V001 Compensation of employees	36,191	37,510	49,285	330,666	845,615	333,289	419,408	201,952	226,666	519,051	847,619	638,607	235,541	176,777	1,126,167
V002 Taxes on production and imports, less subsidies	-3,551	12,767	33,986	5,661	43,955	138,211	145,248	16,973	37,338	212,067	23,159	9,620	42,880	16,633	-13,125
V003 Gross operating surplus	65,976	55,316	118,363	128,526	462,060	151,384	201,148	75,953	219,988	1,394,618	349,375	144,905	93,094	60,302	213,675
Total value added	98,616	105,593	201,644	464,653	1,351,630	622,664	765,804	294,878	483,972	2,125,736	1,220,153	793,132	371,515	253,712	1,326,717
Total industry output	250,491	190,550	331,777	899,129	3,652,724	869,537	1,094,575	561,444	1,000,982	3,223,070	1,901,251	1,296,479	687,227	454,007	2,128,654	.....	7,386,314	1,583,660	5,364	911,879	-1,338,131	1,392,334	10,480,820	18,747,308

1. Includes noncomparable imports, scrap, used goods, inventory valuation adjustment, and rest-of-the-world adjustments.
GDP: Gross domestic product.

inputs are introduced for Federal, state, and local general governments. The gross output of general governments is defined to equal the measurable inputs of compensation, consumption of fixed capital, and purchases of goods and services. Intermediate inputs are defined to equal the purchases of goods and services.

The gross output, intermediate inputs, and value added of Indian tribal governments, including their hotel and casino activities, have been moved from the private sector to state and local government enterprises. This change affects the accommodation and the amusements, gambling, and recreation industries.

The value added of the oil and gas extraction industry was changed to include Federal Outer Continental Shelf royalty payments, which were included in the value added of the rental and leasing services and lessors of intangible assets industry.

The change in private inventories now includes farm materials and supplies. The intermediate inputs for the farms industry are adjusted to a consumed basis by removing the change in private farm inventories for materials and supplies, which is now part of final uses.

The definitions of two components of value added are changed—gross operating surplus (formerly, property-type income) and “taxes on production and imports, less subsidies” (previously, indirect business tax and nontax liability). Subsidies, which reduced property-type income, are moved to “taxes on production and imports, less subsidies.” Nontax liabilities other than special assessments are moved to gross operating surplus.

NAICS

The industry and commodity definitions that are presented in the annual industry accounts are now based on the 1997 North American Industry Classification System (NAICS). Under integration, the annual I-O accounts and the GDP-by-industry accounts share a common level of NAICS-based industry and commodity detail. NAICS primarily classifies establishments that have similar production processes in the same industry. In contrast, the Standard Industrial Classification (SIC) system—the system on which the previously published annual industry accounts were based—primarily uses demand-based criteria to classify establishments by industry; under the SIC, establishments that produce similar products are classified in the same industry.

NAICS recognizes new and emerging industries, recognizes new and advanced technologies, and provides greater industry detail for the increasingly important services-producing sector. However, the

inherent differences between the NAICS and the SIC reduce the comparability of NAICS-based industry estimates with SIC-based industry estimates. NAICS industry estimates of gross output, intermediate inputs, and value added begin with 1998—the initial year that key source data for the annual industry accounts were compiled and made available on a NAICS basis.¹⁸

Industry contributions to real GDP

As part of this comprehensive revision of the annual industry accounts, new formulas for computing industry contributions to real GDP growth and contributions to GDP price growth were introduced. The previously published GDP-by-industry accounts relied on an approximation method for computing the industry contributions; this method could accommodate the complexities associated with including the statistical discrepancy as an industry.¹⁹ However, the approximation method did not yield industry contributions that were additive to Fisher aggregates.²⁰

As a result of integrating the annual industry accounts, the statistical discrepancy is now allocated across private industries; consequently, the same contributions formulas that are used in the NIPAs can now be used in the GDP-by-industry accounts.²¹ These formulas provide industry contributions that are additive to Fisher aggregates; they more accurately measure the industry contributions to aggregate growth, particularly in periods when relative prices are changing rapidly. Specifically, the contribution to the percent change ($C\% \Delta_{i,t}$) in real GDP, in period t that is attributable to the quantity change in industry i is

$$C\% \Delta_{i,t} = 100 * \frac{((p_{i,t}/P^F_t) + p_{i,t-1}) * (q_{i,t} - q_{i,t-1})}{\sum_j ((p_{j,t}/P^F_t) + p_{j,t-1}) * q_{j,t-1}}$$

where P^F_t is the Fisher price index for “all industries” in period t relative to period $t-1$, $p_{i,t}$ is the value-added price index of industry i in period t , and $q_{i,t}$ is the value-added quantity index of industry i in period t .²²

18. To facilitate time series analysis of the NAICS industry estimates, BEA is conducting research to provide NAICS-based industry estimates for preceding years.

19. See the box “Using Chained-Dollar Estimates for Computing Contributions to Economic Growth: A Cautionary Note” in Sherlene K.S. Lum and Brian C. Moyer, “Gross Product by Industry, 1995–97,” *SURVEY* 78 (November 1998): 24–25.

20. The sign of the statistical discrepancy can change from year to year, so that the calculation of industry contributions is troublesome.

21. Brent R. Moulton and Eugene Seskin, “A Preview of the 1999 Comprehensive Revision of the National Income and Product Accounts: Statistical Changes,” *SURVEY* 79 (October 1999): 16.

22. “All industries” consists of the sum of private industries and government. The difference between the real growth rate for GDP and for “all industries” is referred to as “not allocated by industry.”

The summation with subscript j in the denominator includes all the industries of the aggregate.²³

Changes to the presentation

This comprehensive revision of the annual industry accounts includes four major presentational changes. First, the reference year for the chain-type price and quantity indexes and for the chain-dollar estimates is updated from 1996 to 2000. Because of the characteristics of chain-type aggregation, this update does not affect the percent changes in the chain-type indexes or in the related chained-dollar estimates.

23. A symmetric formula is used to compute industry contributions to GDP price growth.

Second, the term “value added” is used to describe an industry’s contribution to GDP instead of the term “GDP by industry.” The components of value added consist of compensation of employees, “taxes on production and imports, less subsidies,” and gross operating surplus.

Third, under the integration methodology, the statistical discrepancy is no longer shown in the GDP-by-industry accounts as an industry, because it is allocated across all private industries. Finally, in the annual I-O accounts, the inventory valuation adjustment is treated as a secondary product in industry gross output and as a separate commodity in final uses.

Tables 1–16 follow.

Table 1. Value Added by Industry in Current Dollars, 1998–2003

[Billions of dollars]

Line		1998	1999	2000	2001	2002	2003	Line		1998	1999	2000	2001	2002	2003
1	Gross domestic product	8,747.0	9,268.4	9,817.0	10,100.8	10,480.8	10,987.9	52	Federal Reserve banks, credit intermediation, and related activities	277.7	308.0	319.0	352.3	374.8	
2	Private industries	7,652.5	8,127.2	8,614.3	8,841.1	9,154.1	9,597.9	53	Securities, commodity contracts, and investments.....	134.1	139.9	167.7	164.6	162.6	
3	Agriculture, forestry, fishing, and hunting	102.4	93.8	98.0	103.0	98.6	112.0	54	Insurance carriers and related activities	217.4	216.9	238.3	235.3	248.7	
4	Farms.....	78.9	68.8	71.5	75.5	70.7		55	Funds, trusts, and other financial vehicles.....	11.9	15.0	15.5	17.9	17.9	
5	Forestry, fishing, and related activities.....	23.5	25.0	26.5	27.4	27.9		56	Real estate and rental and leasing	1,043.5	1,118.6	1,190.5	1,257.8	1,321.7	1,364.9
6	Mining	74.8	85.4	121.3	118.7	105.6	124.9	57	Real estate.....	950.3	1,017.9	1,082.1	1,150.0	1,210.3	
7	Oil and gas extraction.....	35.2	47.2	81.0	73.9	64.1		58	Rental and leasing services and lessors of intangible assets.....	93.2	100.6	108.3	107.8	111.5	
8	Mining, except oil and gas.....	27.0	27.5	27.0	27.0	26.1		59	Professional and business services	976.2	1,064.5	1,140.8	1,187.9	1,220.2	1,273.5
9	Support activities for mining.....	12.6	10.7	13.4	17.8	15.3		60	Professional, scientific, and technical services	565.3	613.9	675.1	710.9	723.5	753.3
10	Utilities	180.8	185.4	189.3	195.1	201.6	212.7	61	Legal services.....	120.9	127.3	136.1	143.3	149.7	
11	Construction	374.4	406.6	435.9	459.5	464.9	481.8	62	Computer systems design and related services.....	92.9	107.8	125.7	137.1	129.4	
12	Manufacturing	1,343.9	1,373.1	1,426.2	1,346.0	1,351.6	1,392.8	63	Miscellaneous professional, scientific, and technical services.....	351.6	378.8	413.3	430.6	444.3	
13	Durable goods.....	806.9	820.4	865.3	788.0	786.1	810.1	64	Management of companies and enterprises	156.8	170.5	183.4	187.7	202.0	216.2
14	Wood products.....	29.4	31.9	31.4	31.1	32.1		65	Administrative and waste management services	254.0	280.1	282.4	289.2	294.7	303.9
15	Nonmetallic mineral products.....	42.3	45.1	45.7	44.7	44.5		66	Administrative and support services.....	231.9	255.4	257.2	262.6	267.0	
16	Primary metals.....	49.4	47.3	48.2	42.0	40.8		67	Waste management and remediation services.....	22.2	24.7	25.2	26.6	27.7	
17	Fabricated metal products.....	112.7	116.4	121.7	113.5	112.2		68	Educational services, health care, and social assistance	601.5	634.5	678.4	732.7	793.1	842.7
18	Machinery.....	111.5	105.6	109.3	103.5	98.1		69	Educational services	67.6	72.8	79.2	85.8	91.5	96.8
19	Computer and electronic products.....	165.7	162.8	185.6	141.6	139.9		70	Health care and social assistance	533.9	561.7	599.2	646.9	701.6	745.9
20	Electrical equipment, appliances, and components.....	44.7	48.2	50.6	48.7	46.1		71	Ambulatory health care services.....	276.1	288.6	307.6	333.4	364.0	
21	Motor vehicles, bodies and trailers, and parts.....	108.8	115.4	118.1	108.0	119.3		72	Hospitals and nursing and residential care facilities.....	214.5	225.6	238.6	256.0	276.0	
22	Other transportation equipment.....	63.3	64.3	64.4	67.2	64.2		73	Social assistance.....	43.3	47.6	53.0	57.5	61.7	
23	Furniture and related products.....	29.1	31.0	32.7	30.8	30.6		74	Arts, entertainment, recreation, accommodation, and food services	306.0	327.8	350.1	358.9	371.5	385.2
24	Miscellaneous manufacturing.....	49.9	52.5	57.5	56.9	58.5		75	Arts, entertainment, and recreation	76.8	83.8	88.7	94.8	99.6	104.9
25	Nondurable goods.....	537.0	552.7	560.9	558.0	565.5	582.7	76	Performing arts, spectator sports, museums, and related activities.....	34.6	37.8	40.0	42.6	45.0	
26	Food and beverage and tobacco products.....	137.5	153.6	154.8	161.6	168.8		77	Amusements, gambling, and recreation industries.....	42.2	46.0	48.7	52.2	54.6	
27	Textile mills and textile product mills.....	27.1	26.4	26.5	23.1	22.7		78	Accommodation and food services	229.1	244.0	261.4	264.2	272.0	280.3
28	Apparel and leather and allied products.....	26.0	24.7	25.1	22.9	23.3		79	Accommodation.....	78.1	84.3	90.7	88.3	89.8	
29	Paper products.....	52.2	54.2	55.6	50.0	48.9		80	Food services and drinking places.....	151.1	159.7	170.8	175.9	182.1	
30	Printing and related support activities.....	46.5	48.2	49.0	47.4	47.1		81	Other services, except government	211.1	217.8	229.1	250.8	253.7	262.0
31	Petroleum and coal products.....	30.6	22.4	26.2	32.3	24.2		82	Government	1,094.5	1,141.2	1,202.7	1,259.6	1,326.7	1,390.0
32	Chemical products.....	153.4	157.1	157.1	157.2	167.9		83	Federal	352.9	361.9	378.7	386.9	408.9	
33	Plastics and rubber products.....	63.6	66.1	66.7	63.5	62.8		84	General government.....	293.1	300.9	315.4	325.2	345.3	
34	Wholesale trade	542.9	577.7	591.7	603.0	622.9	642.9	85	Government enterprises.....	59.9	61.0	63.4	61.7	63.6	
35	Retail trade	598.6	635.5	662.4	687.7	765.8	792.2	86	State and local	741.6	779.4	823.9	872.7	917.8	
36	Transportation and warehousing	273.7	287.4	301.6	295.1	294.9	310.6	87	General government.....	677.2	711.8	754.2	799.9	843.5	
37	Air transportation.....	52.5	54.9	57.7	50.6	47.9		88	Government enterprises.....	64.4	67.6	69.7	72.8	74.3	
38	Rail transportation.....	24.5	24.7	25.5	25.3	24.3		89	Addenda:						
39	Water transportation.....	6.5	6.4	7.2	7.3	6.9		90	Private goods-producing industries ¹	1,895.4	1,958.9	2,081.5	2,027.1	2,020.7	2,111.5
40	Truck transportation.....	86.2	89.8	92.8	92.5	94.1			Private services-producing industries ²	5,757.1	6,168.3	6,532.8	6,814.0	7,133.4	7,486.4
41	Transit and ground passenger transportation.....	13.8	14.4	14.5	15.7	16.3									
42	Pipeline transportation.....	9.2	9.2	8.7	9.1	9.2									
43	Other transportation and support activities.....	59.9	64.8	70.2	69.3	70.7									
44	Warehousing and storage.....	21.1	23.2	25.0	25.2	25.3									
45	Information	381.6	439.3	458.3	474.8	484.0	536.1								
46	Publishing industries (includes software) ...	96.7	118.7	116.7	118.6	120.1									
47	Motion picture and sound recording industries.....	25.3	30.1	32.5	33.7	34.6									
48	Broadcasting and telecommunications.....	229.8	253.8	271.3	281.3	283.9									
49	Information and data processing services.....	29.8	36.7	37.7	41.2	45.4									
50	Finance, insurance, real estate, rental, and leasing	1,684.6	1,798.4	1,931.0	2,028.0	2,125.7	2,228.4								
51	Finance and insurance	641.1	679.8	740.5	770.1	804.0	863.6								

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 2. Value Added by Industry in Current Dollars as a Percentage of Gross Domestic Product, 1998–2003

[Percent]

Line		1998	1999	2000	2001	2002	2003	Line		1998	1999	2000	2001	2002	2003
1	Gross domestic product	100.0	100.0	100.0	100.0	100.0	100.0	52	Federal Reserve banks, credit intermediation, and related activities	3.2	3.3	3.2	3.5	3.6	.....
2	Private industries	87.5	87.7	87.7	87.5	87.3	87.3	53	Securities, commodity contracts, and investments.....	1.5	1.5	1.7	1.6	1.6	.....
3	Agriculture, forestry, fishing, and hunting	1.2	1.0	1.0	1.0	0.9	1.0	54	Insurance carriers and related activities	2.5	2.3	2.4	2.3	2.4	.....
4	Farms.....	0.9	0.7	0.7	0.7	0.7	.....	55	Funds, trusts, and other financial vehicles.....	0.1	0.2	0.2	0.2	0.2	.....
5	Forestry, fishing, and related activities.....	0.3	0.3	0.3	0.3	0.3	.....	56	Real estate and rental and leasing	11.9	12.1	12.1	12.5	12.6	12.4
6	Mining	0.9	0.9	1.2	1.2	1.0	1.1	57	Real estate.....	10.9	11.0	11.0	11.4	11.5	.....
7	Oil and gas extraction.....	0.4	0.5	0.8	0.7	0.6	.....	58	Rental and leasing services and lessors of intangible assets.....	1.1	1.1	1.1	1.1	1.1	.....
8	Mining, except oil and gas.....	0.3	0.3	0.3	0.3	0.2	.....	59	Professional and business services	11.2	11.5	11.6	11.8	11.6	11.6
9	Support activities for mining.....	0.1	0.1	0.1	0.2	0.1	.....	60	Professional, scientific, and technical services	6.5	6.6	6.9	7.0	6.9	6.9
10	Utilities	2.1	2.0	1.9	1.9	1.9	1.9	61	Legal services.....	1.4	1.4	1.4	1.4	1.4	.....
11	Construction	4.3	4.4	4.4	4.5	4.4	4.4	62	Computer systems design and related services.....	1.1	1.2	1.3	1.4	1.2	.....
12	Manufacturing	15.4	14.8	14.5	13.3	12.9	12.7	63	Miscellaneous professional, scientific, and technical services.....	4.0	4.1	4.2	4.3	4.2	.....
13	Durable goods.....	9.2	8.9	8.8	7.8	7.5	7.4	64	Management of companies and enterprises	1.8	1.8	1.9	1.9	1.9	2.0
14	Wood products.....	0.3	0.3	0.3	0.3	0.3	.....	65	Administrative and waste management services	2.9	3.0	2.9	2.9	2.8	2.8
15	Nonmetallic mineral products.....	0.5	0.5	0.5	0.4	0.4	.....	66	Administrative and support services.....	2.7	2.8	2.6	2.6	2.5	.....
16	Primary metals.....	0.6	0.5	0.5	0.4	0.4	.....	67	Waste management and remediation services.....	0.3	0.3	0.3	0.3	0.3	.....
17	Fabricated metal products.....	1.3	1.3	1.2	1.1	1.1	.....	68	Educational services, health care, and social assistance	6.9	6.8	6.9	7.3	7.6	7.7
18	Machinery.....	1.3	1.1	1.1	1.0	0.9	.....	69	Educational services.....	0.8	0.8	0.8	0.8	0.9	0.9
19	Computer and electronic products.....	1.9	1.8	1.9	1.4	1.3	.....	70	Health care and social assistance	6.1	6.1	6.1	6.4	6.7	6.8
20	Electrical equipment, appliances, and components.....	0.5	0.5	0.5	0.5	0.4	.....	71	Ambulatory health care services.....	3.2	3.1	3.1	3.3	3.5	.....
21	Motor vehicles, bodies and trailers, and parts.....	1.2	1.2	1.2	1.1	1.1	.....	72	Hospitals and nursing and residential care facilities.....	2.5	2.4	2.4	2.5	2.6	.....
22	Other transportation equipment.....	0.7	0.7	0.7	0.7	0.6	.....	73	Social assistance.....	0.5	0.5	0.5	0.6	0.6	.....
23	Furniture and related products.....	0.3	0.3	0.3	0.3	0.3	.....	74	Arts, entertainment, recreation, accommodation, and food services	3.5	3.5	3.6	3.6	3.5	3.5
24	Miscellaneous manufacturing.....	0.6	0.6	0.6	0.6	0.6	.....	75	Arts, entertainment, and recreation	0.9	0.9	0.9	0.9	0.9	1.0
25	Nondurable goods.....	6.1	6.0	5.7	5.5	5.4	5.3	76	Performing arts, spectator sports, museums, and related activities.....	0.4	0.4	0.4	0.4	0.4	.....
26	Food and beverage and tobacco products.....	1.6	1.7	1.6	1.6	1.6	.....	77	Amusements, gambling, and recreation industries.....	0.5	0.5	0.5	0.5	0.5	.....
27	Textile mills and textile product mills.....	0.3	0.3	0.3	0.2	0.2	.....	78	Accommodation and food services	2.6	2.6	2.7	2.6	2.6	2.6
28	Apparel and leather and allied products.....	0.3	0.3	0.3	0.2	0.2	.....	79	Accommodation.....	0.9	0.9	0.9	0.9	0.9	.....
29	Paper products.....	0.6	0.6	0.6	0.5	0.5	.....	80	Food services and drinking places.....	1.7	1.7	1.7	1.7	1.7	.....
30	Printing and related support activities.....	0.5	0.5	0.5	0.5	0.4	.....	81	Other services, except government	2.4	2.3	2.3	2.5	2.4	2.4
31	Petroleum and coal products.....	0.4	0.2	0.3	0.3	0.2	.....	82	Government	12.5	12.3	12.3	12.5	12.7	12.7
32	Chemical products.....	1.8	1.7	1.6	1.6	1.6	.....	83	Federal	4.0	3.9	3.9	3.8	3.9	.....
33	Plastics and rubber products.....	0.7	0.7	0.7	0.6	0.6	.....	84	General government.....	3.4	3.2	3.2	3.2	3.3	.....
34	Wholesale trade	6.2	6.2	6.0	6.0	5.9	5.9	85	Government enterprises.....	0.7	0.7	0.6	0.6	0.6	.....
35	Retail trade	6.8	6.9	6.7	6.8	7.3	7.2	86	State and local	8.5	8.4	8.4	8.6	8.8	.....
36	Transportation and warehousing	3.1	3.1	3.1	2.9	2.8	2.8	87	General government.....	7.7	7.7	7.7	7.9	8.0	.....
37	Air transportation.....	0.6	0.6	0.6	0.5	0.5	.....	88	Government enterprises.....	0.7	0.7	0.7	0.7	0.7	.....
38	Rail transportation.....	0.3	0.3	0.3	0.3	0.2	.....	89	Addenda:						
39	Water transportation.....	0.1	0.1	0.1	0.1	0.1	.....	90	Private goods-producing industries ¹	21.7	21.1	21.2	20.1	19.3	19.2
40	Truck transportation.....	1.0	1.0	0.9	0.9	0.9	.....		Private services-producing industries ²	65.8	66.6	66.5	67.5	68.1	68.1
41	Transit and ground passenger transportation.....	0.2	0.2	0.1	0.2	0.2	.....							
42	Pipeline transportation.....	0.1	0.1	0.1	0.1	0.1	.....							
43	Other transportation and support activities.....	0.7	0.7	0.7	0.7	0.7	.....							
44	Warehousing and storage.....	0.2	0.3	0.3	0.2	0.2	.....							
45	Information	4.4	4.7	4.7	4.7	4.6	4.9								
46	Publishing industries (includes software) ...	1.1	1.3	1.2	1.2	1.1	.....							
47	Motion picture and sound recording industries.....	0.3	0.3	0.3	0.3	0.3	.....							
48	Broadcasting and telecommunications.....	2.6	2.7	2.8	2.8	2.7	.....							
49	Information and data processing services.....	0.3	0.4	0.4	0.4	0.4	.....							
50	Finance, insurance, real estate, rental, and leasing	19.3	19.4	19.7	20.1	20.3	20.3								
51	Finance and insurance	7.3	7.3	7.5	7.6	7.7	7.9								

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 3. Components of Value Added by Industry Group in Current Dollars, 1998–2002

[Billions of dollars]

Line	1998	1999	2000	2001	2002	Line	1998	1999	2000	2001	2002	
1	8,747.0	9,268.4	9,817.0	10,100.8	10,480.8	63	Taxes on production and imports less subsidies	138.8	146.3	154.4	165.0	178.6
2	5,023.9	5,362.3	5,787.3	5,945.4	6,024.3	64	Gross operating surplus	838.5	901.5	958.6	1,011.6	1,059.2
3	604.4	629.8	664.6	674.5	721.8	65	Professional and business services	976.2	1,064.5	1,140.8	1,187.9	1,220.2
4	3,118.6	3,276.3	3,365.1	3,480.8	3,734.7	66	Compensation of employees	699.8	771.1	846.0	856.9	847.6
5	7,652.5	8,127.2	8,614.3	8,841.1	9,154.1	67	Taxes on production and imports less subsidies	18.8	20.3	21.9	22.5	23.2
6	4,107.7	4,407.0	4,776.4	4,881.9	4,898.2	68	Gross operating surplus	257.6	273.1	273.0	308.5	349.4
7	615.5	641.0	675.0	685.6	734.9	69	Professional, scientific, and technical services	565.3	613.9	675.1	710.9	723.5
8	2,929.3	3,079.2	3,162.8	3,273.7	3,521.0	70	Compensation of employees	378.3	422.0	486.9	500.0	488.9
9	102.4	93.8	98.0	103.0	98.6	71	Taxes on production and imports less subsidies	9.4	10.2	10.9	11.5	12.0
10	31.2	33.0	34.6	35.9	36.2	72	Gross operating surplus	177.6	181.8	177.3	199.5	222.6
11	-5.5	-12.9	-14.1	-12.6	-3.6	73	Management of companies and enterprises	156.8	170.5	183.4	187.7	202.0
12	76.7	73.8	77.5	79.6	66.0	74	Compensation of employees	127.5	136.1	147.4	140.5	138.8
13	74.8	85.4	121.3	118.7	105.6	75	Taxes on production and imports less subsidies	3.1	3.2	3.4	3.2	3.1
14	34.6	33.4	36.0	38.8	37.5	76	Gross operating surplus	26.3	31.2	32.5	44.0	60.1
15	11.0	10.8	13.2	14.1	12.8	77	Administrative and waste management services	254.0	280.1	282.4	289.2	294.7
16	29.2	41.2	72.2	65.7	55.3	78	Compensation of employees	193.9	213.1	211.7	216.4	219.9
17	180.8	185.4	189.3	195.1	201.6	79	Taxes on production and imports less subsidies	6.4	6.9	7.5	7.8	8.0
18	41.2	42.6	46.3	48.3	49.3	80	Gross operating surplus	53.8	60.2	63.1	65.0	66.7
19	28.9	29.8	30.8	25.7	34.0	81	Educational services, health care, and social assistance	601.5	634.5	678.4	732.7	793.1
20	110.8	112.9	112.1	121.1	118.4	82	Compensation of employees	427.1	513.0	550.8	594.5	638.6
21	374.4	406.6	435.9	459.5	464.9	83	Taxes on production and imports less subsidies	7.6	8.0	8.4	9.0	9.6
22	254.3	282.8	309.2	327.8	330.7	84	Gross operating surplus	106.8	113.5	119.2	129.2	144.9
23	4.4	4.8	5.0	5.4	5.7	85	Educational services	67.6	72.8	79.2	85.8	91.5
24	115.7	119.0	121.7	126.3	128.5	86	Compensation of employees	61.2	65.9	72.0	78.2	83.8
25	1,343.9	1,373.1	1,426.2	1,346.0	1,351.6	87	Taxes on production and imports less subsidies	0.9	1.0	1.1	1.1	1.2
26	825.3	854.2	918.9	876.6	845.6	88	Gross operating surplus	5.4	5.9	6.2	6.4	6.5
27	37.2	38.0	40.6	41.7	44.0	89	Health care and social assistance	533.9	561.7	599.2	646.9	701.6
28	481.3	481.0	466.8	427.6	462.1	90	Compensation of employees	425.9	447.1	478.8	516.3	554.8
29	806.9	820.4	865.3	788.0	786.1	91	Taxes on production and imports less subsidies	6.6	7.0	7.4	7.8	8.4
30	546.2	570.4	621.2	584.0	555.9	92	Gross operating surplus	101.4	107.6	113.1	122.8	138.4
31	12.6	13.0	13.5	14.0	14.9	93	Arts, entertainment, recreation, accommodation, and food services	306.0	327.8	350.1	358.9	371.5
32	248.0	237.1	230.5	190.0	215.7	94	Compensation of employees	188.2	201.2	218.3	227.3	235.5
33	537.0	552.7	560.9	558.0	565.5	95	Taxes on production and imports less subsidies	35.7	38.7	40.9	41.8	42.9
34	279.1	283.8	297.6	292.6	290.1	96	Gross operating surplus	82.1	87.9	90.9	89.8	93.1
35	24.6	25.0	27.1	27.7	29.0	97	Arts, entertainment, and recreation	76.8	83.8	88.7	94.8	99.6
36	233.3	243.9	236.2	237.7	246.3	98	Compensation of employees	44.5	48.4	53.6	57.0	59.6
37	542.9	577.7	591.7	603.0	622.9	99	Taxes on production and imports less subsidies	7.7	8.7	9.0	9.4	9.9
38	291.0	313.9	328.6	334.0	333.3	100	Gross operating surplus	24.6	26.7	26.1	28.4	30.1
39	126.8	131.3	135.4	136.0	138.2	101	Accommodation and food services	229.1	244.0	261.4	264.2	272.0
40	125.1	132.5	127.7	133.0	151.4	102	Compensation of employees	143.7	152.8	164.7	170.3	176.0
41	598.6	635.5	662.4	687.7	765.8	103	Taxes on production and imports less subsidies	27.9	30.0	31.9	32.4	33.0
42	342.3	368.2	396.6	410.7	419.4	104	Gross operating surplus	57.5	61.2	64.8	61.4	63.0
43	124.3	132.8	140.4	142.9	145.2	105	Other services, except government	211.1	217.8	229.1	250.8	253.7
44	132.1	134.4	125.4	134.0	201.1	106	Compensation of employees	141.5	148.5	157.2	164.6	176.8
45	273.7	287.4	301.6	295.1	294.9	107	Taxes on production and imports less subsidies	14.0	14.8	15.7	16.0	16.6
46	174.9	186.1	199.3	203.6	202.0	108	Gross operating surplus	55.7	54.5	56.3	70.2	60.3
47	14.2	14.9	16.0	9.9	17.0	109	Government	1,094.5	1,141.2	1,202.7	1,259.6	1,326.7
48	84.7	86.4	86.3	81.6	76.0	110	Compensation of employees	916.2	955.3	1,010.8	1,063.6	1,126.2
49	381.6	439.3	458.3	474.8	484.0	111	Taxes on production and imports less subsidies	-11.0	-11.1	-10.5	-11.1	-13.1
50	185.6	217.5	248.0	244.6	226.7	112	Gross operating surplus	189.3	197.0	202.3	207.1	213.7
51	31.6	34.2	36.3	36.7	37.3	Addenda:						
52	164.3	187.6	173.9	193.6	220.0	Private goods-producing industries¹	1,895.4	1,958.9	2,081.5	2,027.1	2,020.7	
53	1,684.6	1,798.4	1,931.0	2,028.0	2,125.7	113	Compensation of employees	1,145.4	1,203.4	1,298.7	1,279.2	1,250.0
54	410.7	441.4	486.7	518.2	519.1	114	Taxes on production and imports less subsidies	47.1	40.6	44.7	48.6	58.8
55	166.6	175.5	184.5	196.4	212.1	115	Gross operating surplus	702.9	714.9	738.1	699.3	711.9
56	1,107.3	1,181.5	1,259.8	1,313.4	1,394.6	116	Private services-producing industries²	5,757.1	6,168.3	6,532.8	6,814.0	7,133.4
57	641.1	679.8	740.5	770.1	804.0	117	Compensation of employees	2,962.3	3,203.6	3,477.8	3,602.6	3,648.2
58	344.5	370.7	409.3	436.9	435.1	118	Taxes on production and imports less subsidies	568.4	600.4	630.3	637.0	676.1
59	27.8	29.2	30.1	31.4	33.5	119	Gross operating surplus	2,226.4	2,364.3	2,424.7	2,574.4	2,809.1
60	268.8	280.0	301.1	301.8	335.4	120						
61	1,043.5	1,118.6	1,190.5	1,257.8	1,321.7							
62	66.2	70.7	77.4	81.2	84.0							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
 2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 4. Components of Value Added by Industry Group in Current Dollars as a Percentage of Value Added, 1998–2002

[Percent]

Line		1998	1999	2000	2001	2002	Line		1998	1999	2000	2001	2002
1	Gross domestic product	100.0	100.0	100.0	100.0	100.0	63	Taxes on production and imports less subsidies	13.3	13.1	13.0	13.1	13.5
2	Compensation of employees.....	57.4	57.9	59.0	58.9	57.5	64	Gross operating surplus	80.4	80.6	80.5	80.4	80.1
3	Taxes on production and imports less subsidies.....	6.9	6.8	6.8	6.7	6.9	65	Professional and business services	100.0	100.0	100.0	100.0	100.0
4	Gross operating surplus.....	35.7	35.3	34.3	34.5	35.6	66	Compensation of employees.....	71.7	72.4	74.2	72.1	69.5
5	Private industries	100.0	100.0	100.0	100.0	100.0	67	Taxes on production and imports less subsidies.....	1.9	1.9	1.9	1.9	1.9
6	Compensation of employees.....	53.7	54.2	55.4	55.2	53.5	68	Gross operating surplus	26.4	25.7	23.9	26.0	28.6
7	Taxes on production and imports less subsidies.....	8.0	7.9	7.8	7.8	8.0	69	Professional, scientific, and technical services	100.0	100.0	100.0	100.0	100.0
8	Gross operating surplus.....	38.3	37.9	36.7	37.0	38.5	70	Compensation of employees.....	66.9	68.7	72.1	70.3	67.6
9	Agriculture, forestry, fishing, and hunting	100.0	100.0	100.0	100.0	100.0	71	Taxes on production and imports less subsidies.....	1.7	1.7	1.6	1.6	1.7
10	Compensation of employees.....	30.5	35.1	35.3	34.9	36.7	72	Gross operating surplus	31.4	29.6	26.3	28.1	30.8
11	Taxes on production and imports less subsidies.....	-5.4	-13.8	-14.4	-12.2	-3.6	73	Management of companies and enterprises	100.0	100.0	100.0	100.0	100.0
12	Gross operating surplus.....	74.9	78.7	79.0	77.3	66.9	74	Compensation of employees.....	81.3	79.8	80.4	74.9	68.7
13	Mining	100.0	100.0	100.0	100.0	100.0	75	Taxes on production and imports less subsidies.....	1.9	1.9	1.9	1.7	1.5
14	Compensation of employees.....	46.3	39.2	29.7	32.7	35.5	76	Gross operating surplus	16.8	18.3	17.7	23.4	29.8
15	Taxes on production and imports less subsidies.....	14.7	12.6	10.8	11.9	12.1	77	Administrative and waste management services	100.0	100.0	100.0	100.0	100.0
16	Gross operating surplus.....	39.0	48.2	59.5	55.4	52.4	78	Compensation of employees.....	76.3	76.1	75.0	74.8	74.6
17	Utilities	100.0	100.0	100.0	100.0	100.0	79	Taxes on production and imports less subsidies.....	2.5	2.5	2.6	2.7	2.7
18	Compensation of employees.....	22.8	23.0	24.5	24.8	24.4	80	Gross operating surplus	21.2	21.5	22.4	22.5	22.6
19	Taxes on production and imports less subsidies.....	16.0	16.1	16.3	13.2	16.9	81	Educational services, health care, and social assistance	100.0	100.0	100.0	100.0	100.0
20	Gross operating surplus.....	61.3	60.9	59.2	62.1	58.7	82	Compensation of employees.....	81.0	80.9	81.2	81.1	80.5
21	Construction	100.0	100.0	100.0	100.0	100.0	83	Taxes on production and imports less subsidies.....	1.3	1.3	1.2	1.2	1.2
22	Compensation of employees.....	67.9	69.5	70.9	71.3	71.1	84	Gross operating surplus	17.8	17.9	17.6	17.6	18.3
23	Taxes on production and imports less subsidies.....	1.2	1.2	1.2	1.2	1.2	85	Educational services	100.0	100.0	100.0	100.0	100.0
24	Gross operating surplus.....	30.9	29.3	27.9	27.5	27.6	86	Compensation of employees.....	90.6	90.6	90.8	91.2	91.6
25	Manufacturing	100.0	100.0	100.0	100.0	100.0	87	Taxes on production and imports less subsidies.....	1.4	1.4	1.4	1.3	1.3
26	Compensation of employees.....	61.4	62.2	64.4	65.1	62.6	88	Gross operating surplus	8.0	8.1	7.8	7.5	7.1
27	Taxes on production and imports less subsidies.....	2.8	2.8	2.8	3.1	3.3	89	Health care and social assistance	100.0	100.0	100.0	100.0	100.0
28	Gross operating surplus.....	35.8	35.0	32.7	31.8	34.2	90	Compensation of employees.....	79.8	79.6	79.9	79.8	79.1
29	Durable goods.....	100.0	100.0	100.0	100.0	100.0	91	Taxes on production and imports less subsidies.....	1.2	1.2	1.2	1.2	1.2
30	Compensation of employees.....	67.7	69.5	71.8	74.1	70.7	92	Gross operating surplus	19.0	19.2	18.9	19.0	19.7
31	Taxes on production and imports less subsidies.....	1.6	1.6	1.6	1.8	1.9	93	Arts, entertainment, recreation, accommodation, and food services	100.0	100.0	100.0	100.0	100.0
32	Gross operating surplus.....	30.7	28.9	26.6	24.1	27.4	94	Compensation of employees.....	61.5	61.4	62.3	63.3	63.4
33	Nondurable goods.....	100.0	100.0	100.0	100.0	100.0	95	Taxes on production and imports less subsidies.....	11.7	11.8	11.7	11.7	11.5
34	Compensation of employees.....	52.0	51.4	53.1	52.4	51.3	96	Gross operating surplus	26.8	26.8	26.0	25.0	25.1
35	Taxes on production and imports less subsidies.....	4.6	4.5	4.8	5.0	5.1	97	Arts, entertainment, and recreation	100.0	100.0	100.0	100.0	100.0
36	Gross operating surplus.....	43.4	44.1	42.1	42.6	43.6	98	Compensation of employees.....	57.9	57.7	60.4	60.1	59.8
37	Wholesale trade	100.0	100.0	100.0	100.0	100.0	99	Taxes on production and imports less subsidies.....	10.1	10.4	10.2	10.0	9.9
38	Compensation of employees.....	53.6	54.3	55.5	55.4	53.5	100	Gross operating surplus	32.0	31.9	29.4	30.0	30.2
39	Taxes on production and imports less subsidies.....	23.4	22.7	22.9	22.5	22.2	101	Accommodation and food services	100.0	100.0	100.0	100.0	100.0
40	Gross operating surplus.....	23.0	22.9	21.6	22.1	24.3	102	Compensation of employees.....	62.7	62.6	63.0	64.5	64.7
41	Retail trade	100.0	100.0	100.0	100.0	100.0	103	Taxes on production and imports less subsidies.....	12.2	12.3	12.2	12.3	12.1
42	Compensation of employees.....	57.2	57.9	59.9	59.7	54.8	104	Gross operating surplus	25.1	25.1	24.8	23.3	23.2
43	Taxes on production and imports less subsidies.....	20.8	20.9	21.2	20.8	19.0	105	Other services, except government	100.0	100.0	100.0	100.0	100.0
44	Gross operating surplus.....	22.1	21.2	18.9	19.5	26.3	106	Compensation of employees.....	67.0	68.2	68.6	65.6	69.7
45	Transportation and warehousing	100.0	100.0	100.0	100.0	100.0	107	Taxes on production and imports less subsidies.....	6.6	6.8	6.8	6.4	6.6
46	Compensation of employees.....	63.9	64.8	66.1	69.0	68.5	108	Gross operating surplus	26.4	25.0	24.6	28.0	23.8
47	Taxes on production and imports less subsidies.....	5.2	5.2	5.3	3.4	5.8	109	Government	100.0	100.0	100.0	100.0	100.0
48	Gross operating surplus.....	30.9	30.0	28.6	27.6	25.8	110	Compensation of employees.....	83.7	83.7	84.0	84.4	84.9
49	Information	100.0	100.0	100.0	100.0	100.0	111	Taxes on production and imports less subsidies.....	-1.0	-1.0	-0.9	-0.9	-1.0
50	Compensation of employees.....	48.6	49.5	54.1	51.5	46.8	112	Gross operating surplus	17.3	17.3	16.8	16.4	16.1
51	Taxes on production and imports less subsidies.....	8.3	7.8	7.9	7.7	7.7	113	Addenda:					
52	Gross operating surplus.....	43.1	42.7	38.0	40.8	45.5	114	Private goods-producing industries ¹	100.0	100.0	100.0	100.0	100.0
53	Finance, insurance, real estate, rental, and leasing	100.0	100.0	100.0	100.0	100.0	115	Compensation of employees.....	60.4	61.4	62.4	63.1	61.9
54	Compensation of employees.....	24.4	24.5	25.2	25.6	24.4	116	Taxes on production and imports less subsidies.....	2.5	2.1	2.1	2.4	2.9
55	Taxes on production and imports less subsidies.....	9.9	9.8	9.6	9.7	10.0	117	Gross operating surplus	37.1	36.5	35.5	34.5	35.2
56	Gross operating surplus.....	65.7	65.7	65.2	64.8	65.6	118	Private services-producing industries ²	100.0	100.0	100.0	100.0	100.0
57	Finance and insurance	100.0	100.0	100.0	100.0	100.0	119	Compensation of employees.....	51.5	51.9	53.2	52.9	51.1
58	Compensation of employees.....	53.7	54.5	55.3	56.7	54.1	120	Taxes on production and imports less subsidies.....	9.9	9.7	9.6	9.3	9.5
59	Taxes on production and imports less subsidies.....	4.3	4.3	4.1	4.1	4.2		Gross operating surplus	38.7	38.3	37.1	37.8	39.4
60	Gross operating surplus.....	41.9	41.2	40.7	39.2	41.7							
61	Real estate and rental and leasing	100.0	100.0	100.0	100.0	100.0							
62	Compensation of employees.....	6.3	6.3	6.5	6.5	6.4							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 5. Chain-Type Quantity Indexes for Value Added by Industry, 1998–2003

[2000 = 100]

Line		1998	1999	2000	2001	2002	2003	Line		1998	1999	2000	2001	2002	2003
1	Gross domestic product	92.359	96.469	100.000	100.506	102.710	105.918	52	Federal Reserve banks, credit intermediation, and related activities	95.845	102.946	100.000	105.894	105.675	.....
2	Private industries	91.662	96.183	100.000	100.579	102.842	105.978	53	Securities, commodity contracts, and investments.....	54.927	67.746	100.000	107.797	111.882	.....
3	Agriculture, forestry, fishing, and hunting	86.287	89.163	100.000	99.823	102.044	103.838	54	Insurance carriers and related activities	95.672	94.040	100.000	95.802	98.247	.....
4	Farms.....	86.106	87.916	100.000	95.757	97.569	.....	55	Funds, trusts, and other financial vehicles.....	166.057	131.787	100.000	98.760	101.576	.....
5	Forestry, fishing, and related activities.....	86.420	92.623	100.000	111.798	115.270	.....	56	Real estate and rental and leasing	93.125	97.188	100.000	102.036	103.800	105.635
6	Mining	101.682	104.300	100.000	94.668	94.462	92.398	57	Real estate.....	93.342	97.158	100.000	102.210	103.484	.....
7	Oil and gas extraction.....	111.892	113.021	100.000	97.644	99.200	.....	58	Rental and leasing services and lessors of intangible assets.....	90.972	97.459	100.000	100.196	107.006	.....
8	Mining, except oil and gas.....	90.762	98.929	100.000	94.736	89.216	.....	59	Professional and business services	91.976	96.898	100.000	100.528	102.940	104.926
9	Support activities for mining.....	87.673	82.360	100.000	79.318	80.845	.....	60	Professional, scientific, and technical services	86.779	92.412	100.000	101.095	101.599	103.577
10	Utilities	90.481	94.672	100.000	91.569	96.323	98.980	61	Legal services.....	95.250	97.412	100.000	99.525	100.032	.....
11	Construction	97.087	99.411	100.000	97.855	94.818	94.940	62	Computer systems design and related services.....	79.308	89.407	100.000	106.786	101.341	.....
12	Manufacturing	90.181	94.104	100.000	94.590	96.826	98.503	63	Miscellaneous professional, scientific, and technical services.....	86.284	91.703	100.000	99.887	102.148	.....
13	Durable goods.....	84.355	89.627	100.000	94.847	96.721	100.052	64	Management of companies and enterprises	100.374	101.218	100.000	104.222	112.523	117.513
14	Wood products.....	95.198	96.853	100.000	97.445	101.493	.....	65	Administrative and waste management services	99.516	105.140	100.000	96.883	100.299	100.471
15	Nonmetallic mineral products.....	96.515	98.640	100.000	98.190	95.979	.....	66	Administrative and support services.....	100.635	105.874	100.000	96.114	99.854	.....
16	Primary metals.....	95.230	99.871	100.000	91.769	88.330	.....	67	Waste management and remediation services.....	88.717	97.939	100.000	104.944	104.973	.....
17	Fabricated metal products.....	93.999	94.392	100.000	91.050	89.428	.....	68	Educational services, health care, and social assistance	95.603	97.304	100.000	102.171	106.194	109.463
18	Machinery.....	104.121	96.033	100.000	91.873	86.471	.....	69	Educational services.....	95.442	97.349	100.000	101.203	101.681	102.144
19	Computer and electronic products.....	51.877	67.582	100.000	100.477	111.979	.....	70	Health care and social assistance	95.624	97.298	100.000	102.301	106.804	110.461
20	Electrical equipment, appliances, and components.....	88.124	94.933	100.000	94.667	91.330	.....	71	Ambulatory health care services.....	94.068	95.968	100.000	104.295	112.059	.....
21	Motor vehicles, bodies and trailers, and parts.....	94.639	97.038	100.000	91.629	105.802	.....	72	Hospitals and nursing and residential care facilities.....	98.934	99.607	100.000	99.714	100.946	.....
22	Other transportation equipment.....	106.006	104.614	100.000	98.136	91.572	.....	73	Social assistance.....	89.932	94.752	100.000	102.562	103.844	.....
23	Furniture and related products.....	92.346	96.254	100.000	90.636	87.681	.....	74	Arts, entertainment, recreation, accommodation, and food services	93.446	96.836	100.000	100.739	102.691	104.691
24	Miscellaneous manufacturing.....	87.609	90.509	100.000	95.349	95.384	.....	75	Arts, entertainment, and recreation	95.507	99.107	100.000	102.250	103.860	106.269
25	Non-durable goods.....	99.762	101.298	100.000	94.223	96.963	96.380	76	Performing arts, spectator sports, museums, and related activities.....	98.506	100.392	100.000	100.930	102.832	.....
26	Food and beverage and tobacco products.....	98.901	100.161	100.000	97.535	97.124	.....	77	Amusements, gambling, and recreation industries.....	93.113	98.064	100.000	103.344	104.707	.....
27	Textile mills and textile product mills.....	99.278	96.626	100.000	82.745	83.217	.....	78	Accommodation and food services	92.752	96.073	100.000	100.217	102.291	104.142
28	Apparel and leather and allied products.....	105.293	97.364	100.000	91.052	93.732	.....	79	Accommodation.....	92.393	96.011	100.000	95.507	97.444	.....
29	Paper products.....	107.949	109.753	100.000	89.474	88.583	.....	80	Food services and drinking places.....	92.941	96.105	100.000	102.741	104.888	.....
30	Printing and related support activities.....	97.406	98.938	100.000	93.398	92.135	.....	81	Other services, except government	101.871	100.236	100.000	102.261	98.183	100.972
31	Petroleum and coal products.....	138.947	127.513	100.000	87.289	114.862	.....	82	Government	96.923	98.009	100.000	100.908	102.143	103.522
32	Chemical products.....	95.351	100.025	100.000	97.376	104.271	.....	83	Federal	99.150	98.478	100.000	98.556	99.660	.....
33	Plastics and rubber products.....	93.549	96.903	100.000	91.938	90.031	.....	84	General government.....	99.953	99.149	100.000	100.232	101.930	.....
34	Wholesale trade	95.431	100.412	100.000	105.894	108.246	110.923	85	Government enterprises.....	95.355	95.285	100.000	90.507	88.822	.....
35	Retail trade	90.399	95.686	100.000	106.917	115.399	121.224	86	State and local	95.896	97.792	100.000	101.989	103.286	.....
36	Transportation and warehousing	91.454	95.301	100.000	96.616	96.075	98.921	87	General government.....	96.232	97.947	100.000	102.340	103.935	.....
37	Air transportation.....	84.400	91.676	100.000	99.281	101.853	.....	88	Government enterprises.....	92.407	96.151	100.000	98.239	96.386	.....
38	Rail transportation.....	95.845	97.158	100.000	96.119	89.140	.....	89	Addenda:						
39	Water transportation.....	96.991	88.164	100.000	96.495	89.264	.....	90	Private goods-producing industries ¹	91.878	95.402	100.000	95.555	96.461	97.563
40	Truck transportation.....	97.988	99.033	100.000	93.686	93.192	.....		Private services-producing industries ²	91.591	96.434	100.000	102.181	104.868	108.639
41	Transit and ground passenger transportation.....	98.731	101.902	100.000	104.572	105.588	.....							
42	Pipeline transportation.....	79.719	88.752	100.000	95.030	87.789	.....							
43	Other transportation and support activities.....	89.133	94.229	100.000	95.754	96.529	.....							
44	Warehousing and storage.....	87.999	93.884	100.000	98.096	96.795	.....							
45	Information	82.252	95.467	100.000	103.528	106.760	116.667								
46	Publishing industries (includes software) ...	86.374	103.792	100.000	98.757	100.318	.....							
47	Motion picture and sound recording industries.....	90.262	99.200	100.000	98.245	97.184	.....							
48	Broadcasting and telecommunications.....	80.101	91.520	100.000	105.965	109.747	.....							
49	Information and data processing services.....	78.908	95.970	100.000	105.556	113.882	.....							
50	Finance, insurance, real estate, rental, and leasing	90.201	94.994	100.000	102.373	104.077	108.051								
51	Finance and insurance	85.702	91.581	100.000	102.910	104.514	112.049								

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 5.A. Percent Changes in Chain-Type Quantity Indexes for Value Added by Industry

Line		1999	2000	2001	2002	2003	Average annual rate of change 1998–2000	Line		1999	2000	2001	2002	2003	Average annual rate of change 1998–2000
1	Gross domestic product	4.5	3.7	0.5	2.2	3.1	4.1	52	Federal Reserve banks, credit intermediation, and related activities	7.4	-2.9	5.9	-0.2	.....	2.1
2	Private industries	4.9	4.0	0.6	2.2	3.0	4.4	53	Securities, commodity contracts, and investments.....	23.3	47.6	7.8	3.8	.....	34.9
3	Agriculture, forestry, fishing, and hunting	3.3	12.2	-0.2	2.2	1.8	7.7	54	Insurance carriers and related activities	-1.7	6.3	-4.2	2.6	.....	2.2
4	Farms.....	2.1	13.7	-4.2	1.9	.....	7.8	55	Funds, trusts, and other financial vehicles.....	-20.6	-24.1	-1.2	2.9	.....	-22.4
5	Forestry, fishing, and related activities.....	7.2	8.0	11.8	3.1	.....	7.6	56	Real estate and rental and leasing	4.4	2.9	2.0	1.7	1.8	3.6
6	Mining	2.6	-4.1	-5.3	-0.2	-2.2	-0.8	57	Real estate.....	4.1	2.9	2.2	1.2	.....	3.5
7	Oil and gas extraction.....	1.0	-11.5	-2.4	1.6	.....	-5.5	58	Rental and leasing services and lessors of intangible assets.....	7.1	2.6	0.2	6.8	.....	4.8
8	Mining, except oil and gas.....	9.0	1.1	-5.3	-5.8	.....	5.0	59	Professional and business services	5.4	3.2	0.5	2.4	1.9	4.3
9	Support activities for mining.....	-6.1	21.4	-20.7	1.9	.....	6.8	60	Professional, scientific, and technical services	6.5	8.2	1.1	0.5	1.9	7.3
10	Utilities	4.6	5.6	-8.4	5.2	2.8	5.1	61	Legal services.....	2.3	2.7	-0.5	0.5	.....	2.5
11	Construction	2.4	0.6	-2.1	-3.1	0.1	1.5	62	Computer systems design and related services.....	12.7	11.8	6.8	-5.1	.....	12.3
12	Manufacturing	4.4	6.3	-5.4	2.4	1.7	5.3	63	Miscellaneous professional, scientific, and technical services.....	6.3	9.0	-0.1	2.3	.....	7.7
13	Durable goods.....	6.2	11.6	-5.2	2.0	3.4	8.9	64	Management of companies and enterprises	0.8	-1.2	4.2	8.0	4.4	-0.2
14	Wood products.....	1.7	3.2	-2.6	4.2	.....	2.5	65	Administrative and waste management services	5.7	-4.9	-3.1	3.5	0.2	0.2
15	Nonmetallic mineral products.....	2.2	1.4	-1.8	-2.3	.....	1.8	66	Administrative and support services.....	5.2	-5.5	-3.9	3.9	.....	-0.3
16	Primary metals.....	4.9	0.1	-8.2	-3.7	.....	2.5	67	Waste management and remediation services.....	10.4	2.1	4.9	0.0	.....	6.2
17	Fabricated metal products.....	0.4	5.9	-9.0	-1.8	.....	3.1	68	Educational services, health care, and social assistance	1.8	2.8	2.2	3.9	3.1	2.3
18	Machinery.....	-7.8	4.1	-8.1	-5.9	.....	-2.0	69	Educational services	2.0	2.7	1.2	0.5	0.5	2.4
19	Computer and electronic products.....	30.3	48.0	0.5	.....	.....	38.8	70	Health care and social assistance	1.8	2.8	2.3	4.4	3.4	2.3
20	Electrical equipment, appliances, and components.....	7.7	5.3	-5.3	-3.5	.....	6.5	71	Ambulatory health care services.....	2.0	4.2	4.3	7.4	.....	3.1
21	Motor vehicles, bodies and trailers, and parts.....	2.5	3.1	-8.4	15.5	.....	2.8	72	Hospitals and nursing and residential care facilities.....	0.7	0.4	-0.3	1.2	.....	0.5
22	Other transportation equipment.....	-1.3	-4.4	-1.9	-6.7	.....	-2.9	73	Social assistance.....	5.4	5.5	2.6	1.2	.....	5.4
23	Furniture and related products.....	4.2	3.9	-9.4	-3.3	.....	4.1	74	Arts, entertainment, recreation, accommodation, and food services	3.6	3.3	0.7	1.9	1.9	3.4
24	Miscellaneous manufacturing.....	3.3	10.5	-4.7	0.0	.....	6.8	75	Arts, entertainment, and recreation	3.8	0.9	2.3	1.6	2.3	2.3
25	Nondurable goods.....	1.5	-1.3	-5.8	2.9	-0.6	0.1	76	Performing arts, spectator sports, museums, and related activities.....	1.9	-0.4	0.9	1.9	.....	0.8
26	Food and beverage and tobacco products.....	1.3	-0.2	-2.5	-0.4	.....	0.6	77	Amusements, gambling, and recreation industries.....	5.3	2.0	3.3	1.3	.....	3.6
27	Textile mills and textile product mills.....	-2.7	3.5	-17.3	0.6	.....	0.4	78	Accommodation and food services	3.6	4.1	0.2	2.1	1.8	3.8
28	Apparel and leather and allied products.....	-7.5	2.7	-8.9	2.9	.....	-2.5	79	Accommodation.....	3.9	4.2	-4.5	2.0	.....	4.0
29	Paper products.....	1.7	-8.9	-10.5	-1.0	.....	-3.8	80	Food services and drinking places.....	3.4	4.1	2.7	2.1	.....	3.7
30	Printing and related support activities.....	1.6	1.1	-6.6	-1.4	.....	1.3	81	Other services, except government	-1.6	-0.2	2.3	-4.0	2.8	-0.9
31	Petroleum and coal products.....	-8.2	-21.6	-12.7	31.6	.....	-15.2	82	Government	1.1	2.0	0.9	1.2	1.4	1.6
32	Chemical products.....	4.9	0.0	-2.6	7.1	.....	2.4	83	Federal	-0.7	1.5	-1.4	1.1	.....	0.4
33	Plastics and rubber products.....	3.6	3.2	-8.1	-2.1	.....	3.4	84	General government.....	-0.8	0.9	0.2	1.7	.....	0.0
34	Wholesale trade	5.2	-0.4	5.9	2.2	2.5	2.4	85	Government enterprises.....	-0.1	4.9	-9.5	-1.9	.....	2.4
35	Retail trade	5.8	4.5	6.9	7.9	5.0	5.2	86	State and local	2.0	2.3	2.0	1.3	.....	2.1
36	Transportation and warehousing	4.2	4.9	-3.4	-0.6	3.0	4.6	87	General government.....	1.8	2.1	2.3	1.6	.....	1.9
37	Air transportation.....	8.6	9.1	-0.7	2.6	.....	8.9	88	Government enterprises.....	4.1	4.0	-1.8	-1.9	.....	4.0
38	Rail transportation.....	1.6	2.9	-3.9	-7.3	.....	2.3		Addenda:						
39	Water transportation.....	-9.1	13.4	-3.5	-7.5	.....	1.5	89	Private goods-producing industries ¹	3.8	4.8	-4.4	0.9	1.1	4.3
40	Truck transportation.....	1.1	1.0	-6.3	-0.5	.....	1.0	90	Private services-producing industries ²	5.3	3.7	2.2	2.6	3.6	4.5
41	Transit and ground passenger transportation.....	3.2	-1.9	4.6	1.0	.....	0.6								
42	Pipeline transportation.....	11.3	12.7	-5.0	-7.6	.....	12.0								
43	Other transportation and support activities.....	5.7	6.1	-4.2	0.8	.....	5.9								
44	Warehousing and storage.....	6.7	6.5	-1.9	-1.3	.....	6.6								
45	Information	16.1	4.7	3.5	3.1	9.3	10.3								
46	Publishing industries (includes software).....	20.2	-3.7	-1.2	1.6	.....	7.6								
47	Motion picture and sound recording industries.....	9.9	0.8	-1.8	-1.1	.....	5.3								
48	Broadcasting and telecommunications.....	14.3	9.3	6.0	3.6	.....	11.7								
49	Information and data processing services.....	21.6	4.2	5.6	7.9	.....	12.6								
50	Finance, insurance, real estate, rental, and leasing	5.3	5.3	2.4	1.7	3.8	5.3								
51	Finance and insurance	6.9	9.2	2.9	1.6	7.2	8.0								

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 6. Real Value Added by Industry, 1998–2003

[Billions of chained (2000) dollars]

Line		1998	1999	2000	2001	2002	2003	Line		1998	1999	2000	2001	2002	2003
1	Gross domestic product	9,066.3	9,470.3	9,817.0	9,866.6	10,083.0	10,398.0	52	Federal Reserve banks, credit intermediation, and related activities	305.8	328.4	319.0	337.8	337.1	.....
2	Private industries	7,896.0	8,285.5	8,614.3	8,664.2	8,859.1	9,129.3	53	Securities, commodity contracts, and investments.....	92.1	113.6	167.7	180.8	187.6	.....
3	Agriculture, forestry, fishing, and hunting	84.6	87.4	98.0	97.8	100.0	101.8	54	Insurance carriers and related activities	228.0	224.1	238.3	228.3	234.1	.....
4	Farms.....	61.6	62.9	71.5	68.5	69.8	.....	55	Funds, trusts, and other financial vehicles.....	25.7	20.4	15.5	15.3	15.7	.....
5	Forestry, fishing, and related activities.....	22.9	24.5	26.5	29.6	30.5	.....	56	Real estate and rental and leasing	1,108.6	1,157.0	1,190.5	1,214.7	1,235.7	1,257.5
6	Mining	123.4	126.6	121.3	114.9	114.6	112.1	57	Real estate.....	1,010.1	1,051.4	1,082.1	1,106.0	1,119.8	.....
7	Oil and gas extraction.....	90.6	91.5	81.0	79.1	80.3	.....	58	Rental and leasing services and lessors of intangible assets.....	98.6	105.6	108.3	108.6	115.9	.....
8	Mining, except oil and gas.....	24.5	26.7	27.0	25.6	24.1	.....	59	Professional and business services	1,049.3	1,105.5	1,140.8	1,146.9	1,174.4	1,197.0
9	Support activities for mining.....	11.7	11.0	13.4	10.6	10.8	.....	60	Professional, scientific, and technical services	585.9	623.9	675.1	682.5	685.9	699.3
10	Utilities	171.3	179.2	189.3	173.3	182.3	187.4	61	Legal services.....	129.7	132.6	136.1	135.5	136.2	.....
11	Construction	423.2	433.3	435.9	426.6	413.3	413.9	62	Computer systems design and related services.....	99.7	112.4	125.7	134.3	127.4	.....
12	Manufacturing	1,286.2	1,342.1	1,426.2	1,349.1	1,380.9	1,404.9	63	Miscellaneous professional, scientific, and technical services.....	356.6	379.0	413.3	412.8	422.1	.....
13	Durable goods.....	729.9	775.5	865.3	820.7	836.9	865.7	64	Management of companies and enterprises	184.0	185.6	183.4	191.1	206.3	215.5
14	Wood products.....	29.9	30.4	31.4	30.6	31.9	.....	65	Administrative and waste management services	281.0	296.9	282.4	273.6	283.2	283.7
15	Nonmetallic mineral products.....	44.1	45.1	45.7	44.9	43.9	.....	66	Administrative and support services.....	258.8	272.3	257.2	247.2	256.8	.....
16	Primary metals.....	45.9	48.1	48.2	44.2	42.6	.....	67	Waste management and remediation services.....	22.3	24.6	25.2	26.4	26.4	.....
17	Fabricated metal products.....	114.4	114.9	121.7	110.8	108.8	.....	68	Educational services, health care, and social assistance	648.6	660.1	678.4	693.2	720.5	742.6
18	Machinery.....	113.8	105.0	109.3	100.4	94.5	.....	69	Educational services.....	75.6	77.1	79.2	80.2	80.6	80.9
19	Computer and electronic products.....	96.3	125.4	185.6	186.4	207.8	.....	70	Health care and social assistance	573.0	583.0	599.2	613.0	640.0	661.9
20	Electrical equipment, appliances, and components.....	44.6	48.0	50.6	47.9	46.2	.....	71	Ambulatory health care services.....	289.4	295.2	307.6	320.8	344.7	.....
21	Motor vehicles, bodies and trailers, and parts.....	111.8	114.6	118.1	108.2	125.0	.....	72	Hospitals and nursing and residential care facilities.....	236.0	237.6	238.6	237.9	240.8	.....
22	Other transportation equipment.....	68.3	67.4	64.4	63.2	59.0	.....	73	Social assistance.....	47.7	50.2	53.0	54.4	55.1	.....
23	Furniture and related products.....	30.2	31.5	32.7	29.6	28.7	.....	74	Arts, entertainment, recreation, accommodation, and food services	327.2	339.0	350.1	352.7	359.5	366.5
24	Miscellaneous manufacturing.....	50.4	52.1	57.5	54.8	54.9	.....	75	Arts, entertainment, and recreation	84.7	87.9	88.7	90.7	92.1	94.2
25	Nondurable goods.....	559.6	568.2	561.0	528.5	543.9	540.6	76	Performing arts, spectator sports, museums, and related activities.....	39.4	40.2	40.0	40.4	41.1	.....
26	Food and beverage and tobacco products.....	153.1	155.1	154.8	151.0	150.4	.....	77	Amusements, gambling, and recreation industries.....	45.3	47.7	48.7	50.3	51.0	.....
27	Textile mills and textile product mills.....	26.3	25.6	26.5	21.9	22.0	.....	78	Accommodation and food services	242.5	251.2	261.4	262.0	267.4	272.3
28	Apparel and leather and allied products.....	26.4	24.4	25.1	22.8	23.5	.....	79	Accommodation.....	83.8	87.1	90.7	86.6	88.4	.....
29	Paper products.....	60.0	61.0	55.6	49.7	49.2	.....	80	Food services and drinking places.....	158.7	164.1	170.8	175.5	179.1	.....
30	Printing and related support activities.....	47.7	48.5	49.0	45.8	45.2	.....	81	Other services, except government	233.4	229.7	229.1	234.3	224.9	231.3
31	Petroleum and coal products.....	36.5	33.5	26.2	22.9	30.1	.....	82	Government	1,165.7	1,178.7	1,202.7	1,213.6	1,228.5	1,245.0
32	Chemical products.....	149.8	157.1	157.1	152.9	163.8	.....	83	Federal	375.5	373.0	378.7	373.3	377.5	.....
33	Plastics and rubber products.....	62.4	64.7	66.7	61.3	60.1	.....	84	General government.....	315.2	312.7	315.4	316.1	321.4	.....
34	Wholesale trade	564.7	594.1	591.7	626.6	640.5	656.3	85	Government enterprises.....	60.4	60.4	63.4	57.4	56.3	.....
35	Retail trade	598.8	633.9	662.4	708.3	764.4	803.0	86	State and local	790.1	805.7	823.9	840.3	851.0	.....
36	Transportation and warehousing	275.8	287.4	301.6	291.4	289.8	298.4	87	General government.....	725.8	738.7	754.2	771.9	783.9	.....
37	Air transportation.....	48.7	52.9	57.7	57.3	58.7	.....	88	Government enterprises.....	64.4	67.0	69.7	68.5	67.2	.....
38	Rail transportation.....	24.4	24.8	25.5	24.5	22.8	.....	89	Not allocated by industry ¹	-54.9	-22.9	0.0	-14.6	-19.5	.....
39	Water transportation.....	7.0	6.4	7.2	7.0	6.4	.....	90	Addenda:						
40	Truck transportation.....	91.0	91.9	92.8	87.0	86.5	.....	91	Private goods-producing industries ²	1,912.4	1,985.8	2,081.5	1,989.0	2,007.8	2,030.8
41	Transit and ground passenger transportation.....	14.3	14.7	14.5	15.1	15.3	.....		Private services-producing industries ³	5,983.5	6,299.8	6,532.8	6,675.3	6,850.8	7,097.2
42	Pipeline transportation.....	6.9	7.7	8.7	8.3	7.7	.....							
43	Other transportation and support activities.....	62.6	66.2	70.2	67.2	67.8	.....							
44	Warehousing and storage.....	22.0	23.4	25.0	24.5	24.2	.....							
45	Information	377.0	437.5	458.3	474.5	489.3	534.7								
46	Publishing industries (includes software) ...	100.8	121.2	116.7	115.3	117.1	.....							
47	Motion picture and sound recording industries.....	29.4	32.3	32.5	32.0	31.6	.....							
48	Broadcasting and telecommunications.....	217.3	248.3	271.3	287.5	297.7	.....							
49	Information and data processing services.....	29.8	36.2	37.7	39.8	43.0	.....							
50	Finance, insurance, real estate, rental, and leasing	1,741.7	1,834.3	1,931.0	1,976.8	2,009.7	2,086.4								
51	Finance and insurance	634.6	678.1	740.5	762.0	773.9	829.7								

1. Chained (2000) dollar series are calculated as the product of the chain-type quantity index and the 2000 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The value of not allocated by industry reflects the difference between the first line and the sum of the most detailed lines, as well as the differences in source data used to estimate GDP by industry and the expenditures measure of real GDP.

2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance and insurance; real estate and rental and leasing; professional, scientific and technical services; management of companies and enterprises; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 7. Chain-Type Price Indexes for Value Added by Industry, 1998–2003

[2000 = 100]

Line		1998	1999	2000	2001	2002	2003	Line		1998	1999	2000	2001	2002	2003
1	Gross domestic product	96.472	97.868	100.000	102.373	103.945	105.673	52	Federal Reserve banks, credit intermediation, and related activities	90.834	93.784	100.000	104.275	111.160	.....
2	Private industries	96.915	98.090	100.000	102.042	103.330	105.133	53	Securities, commodity contracts, and investments	145.539	123.157	100.000	91.063	86.635	.....
3	Agriculture, forestry, fishing, and hunting	121.066	107.303	100.000	105.229	98.594	109.996	54	Insurance carriers and related activities	95.387	96.788	100.000	103.085	106.262	.....
4	Farms.....	128.112	109.368	100.000	110.272	101.347	.....	55	Funds, trusts, and other financial vehicles	46.152	73.684	100.000	117.154	114.091	.....
5	Forestry, fishing, and related activities	102.613	101.898	100.000	92.628	91.322	.....	56	Real estate and rental and leasing	94.125	96.679	100.000	103.550	106.962	108.534
6	Mining	60.616	67.480	100.000	103.297	92.129	111.447	57	Real estate	94.082	96.822	100.000	103.978	108.077	.....
7	Oil and gas extraction.....	38.814	51.583	100.000	93.386	79.835	.....	58	Rental and leasing services and lessors of intangible assets	94.550	95.279	100.000	99.295	96.141	.....
8	Mining, except oil and gas.....	110.337	102.956	100.000	105.412	108.569	.....	59	Professional and business services	93.030	96.299	100.000	103.575	103.897	106.385
9	Support activities for mining.....	107.467	97.189	100.000	168.504	141.806	.....	60	Professional, scientific, and technical services	96.492	98.404	100.000	104.163	105.478	107.728
10	Utilities	105.566	103.467	100.000	112.576	110.592	113.527	61	Legal services	93.238	96.035	100.000	105.766	109.948	.....
11	Construction	88.462	93.828	100.000	107.726	112.467	116.422	62	Computer systems design and related services	93.118	95.880	100.000	102.078	101.565	.....
12	Manufacturing	104.483	102.309	100.000	99.773	97.877	99.140	63	Miscellaneous professional, scientific, and technical services	98.594	99.956	100.000	104.309	105.264	.....
13	Durable goods.....	110.545	105.787	100.000	96.020	93.936	93.577	64	Management of companies and enterprises	85.204	91.848	100.000	98.229	97.901	100.353
14	Wood products.....	88.096	104.869	100.000	101.487	100.545	.....	65	Administrative and waste management services	90.407	94.362	100.000	105.728	104.047	107.131
15	Nonmetallic mineral products.....	95.873	99.959	100.000	99.591	101.410	.....	66	Administrative and support services	89.584	93.791	100.000	106.230	103.947	.....
16	Primary metals.....	107.689	98.280	100.000	95.072	95.807	.....	67	Waste management and remediation services	99.301	100.387	100.000	100.821	104.894	.....
17	Fabricated metal products.....	98.532	101.304	100.000	102.475	103.113	.....	68	Educational services, health care, and social assistance	92.743	96.113	100.000	105.698	110.087	113.472
18	Machinery.....	97.955	100.638	100.000	103.035	103.791	.....	69	Educational services	89.431	94.342	100.000	106.959	113.564	119.599
19	Computer and electronic products	172.102	129.799	100.000	75.963	67.319	.....	70	Health care and social assistance	93.181	96.348	100.000	105.532	109.636	112.691
20	Electrical equipment, appliances, and components	100.363	100.372	100.000	101.699	99.709	.....	71	Ambulatory health care services	95.406	97.746	100.000	103.903	105.580	.....
21	Motor vehicles, bodies and trailers, and parts	97.363	100.689	100.000	99.775	95.463	.....	72	Hospitals and nursing and residential care facilities	90.903	94.929	100.000	107.618	114.619	.....
22	Other transportation equipment	92.731	95.314	100.000	106.247	108.785	.....	73	Social assistance	90.770	94.714	100.000	105.815	111.999	.....
23	Furniture and related products	96.333	98.342	100.000	103.869	106.586	.....	74	Arts, entertainment, recreation, accommodation, and food services	93.520	96.677	100.000	101.769	103.330	105.093
24	Miscellaneous manufacturing.....	99.036	100.815	100.000	103.690	106.562	.....	75	Arts, entertainment, and recreation	90.711	95.354	100.000	104.544	108.093	111.345
25	Nondurable goods.....	95.956	97.271	100.000	105.570	103.967	107.773	76	Performing arts, spectator sports, museums, and related activities	87.871	93.996	100.000	105.410	109.327	.....
26	Food and beverage and tobacco products	89.831	99.039	100.000	107.044	112.234	.....	77	Amusements, gambling, and recreation industries	93.110	96.484	100.000	103.841	107.094	.....
27	Textile mills and textile product mills	103.293	103.440	100.000	105.446	102.977	.....	78	Accommodation and food services	94.496	97.133	100.000	100.818	101.694	102.942
28	Apparel and leather and allied products	98.754	101.425	100.000	100.401	99.071	.....	79	Accommodation	93.192	96.831	100.000	101.942	101.664	.....
29	Paper products.....	86.905	88.748	100.000	100.455	99.225	.....	80	Food services and drinking places	95.187	97.293	100.000	100.240	101.686	.....
30	Printing and related support activities	97.425	99.370	100.000	103.569	104.229	.....	81	Other services, except government	90.465	94.842	100.000	107.043	112.786	113.234
31	Petroleum and coal products.....	84.019	66.922	100.000	141.015	80.156	.....	82	Government	93.894	96.817	100.000	103.793	107.999	111.642
32	Chemical products.....	102.409	100.030	100.000	102.801	102.519	.....	83	Federal	93.977	97.018	100.000	103.647	108.341	.....
33	Plastics and rubber products	101.890	102.224	100.000	103.452	104.560	.....	84	General government	92.971	96.234	100.000	102.884	107.425	.....
34	Wholesale trade	96.154	97.235	100.000	96.246	97.250	97.963	85	Government enterprises	99.025	100.924	100.000	107.517	113.022	.....
35	Retail trade	99.967	100.253	100.000	97.099	100.179	98.651	86	State and local	93.858	96.725	100.000	103.858	107.846	.....
36	Transportation and warehousing	99.224	99.986	100.000	101.254	101.758	104.114	87	General government	93.307	96.352	100.000	103.636	107.599	.....
37	Air transportation.....	107.849	103.804	100.000	88.289	81.534	.....	88	Government enterprises	99.921	100.804	100.000	106.311	110.573	.....
38	Rail transportation.....	100.466	99.451	100.000	103.145	106.985	.....	89	Addenda:	99.110	98.645	100.000	101.920	100.641	103.976
39	Water transportation.....	93.020	100.730	100.000	104.792	107.265	.....	90	Private goods-producing industries ¹	96.217	97.912	100.000	102.078	104.125	105.484
40	Truck transportation.....	94.770	97.732	100.000	106.421	108.827	.....		Private services-producing industries ²						
41	Transit and ground passenger transportation.....	96.523	97.748	100.000	104.106	106.999	.....							
42	Pipeline transportation.....	133.026	119.453	100.000	109.930	120.728	.....							
43	Other transportation and support activities	95.620	97.851	100.000	103.074	104.237	.....							
44	Warehousing and storage.....	95.951	98.997	100.000	102.880	104.866	.....							
45	Information	101.223	100.408	100.000	100.075	98.914	100.272								
46	Publishing industries (includes software)	95.863	97.940	100.000	102.897	102.549	.....							
47	Motion picture and sound recording industries	86.137	93.313	100.000	105.583	109.370	.....							
48	Broadcasting and telecommunications	105.737	102.231	100.000	97.840	95.345	.....							
49	Information and data processing services	100.210	101.337	100.000	103.394	105.683	.....							
50	Finance, insurance, real estate, rental, and leasing	96.720	98.044	100.000	102.589	105.775	106.806								
51	Finance and insurance	101.025	100.250	100.000	101.061	103.889	104.079								

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
 2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 7.A. Percent Changes in Chain-Type Price Indexes for Value Added by Industry

Line		1999	2000	2001	2002	2003	Average annual rate of change 1998–2000	Line		1999	2000	2001	2002	2003	Average annual rate of change 1998–2000
1	Gross domestic product	1.4	2.2	2.4	1.5	1.7	1.8	52	Federal Reserve banks, credit intermediation, and related activities	3.2	6.6	4.3	6.6	.....	4.9
2	Private industries	1.2	1.9	2.0	1.3	1.7	1.6	53	Securities, commodity contracts, and investments.....	-15.4	-18.8	-8.9	-4.9	.....	-17.1
3	Agriculture, forestry, fishing, and hunting	-11.4	-6.8	5.2	-6.3	11.6	-9.1	54	Insurance carriers and related activities	1.5	3.3	3.1	3.1	.....	2.4
4	Farms	-14.6	-8.6	10.3	-8.1	.....	-11.7	55	Funds, trusts, and other financial vehicles.....	59.7	35.7	17.2	-2.6	.....	47.2
5	Forestry, fishing, and related activities	-0.7	-1.9	-7.4	-1.4	.....	-1.3	56	Real estate and rental and leasing	2.7	3.4	3.6	3.3	1.5	3.1
6	Mining	11.3	48.2	3.3	-10.8	21.0	28.4	57	Real estate	2.9	3.3	4.0	3.9	.....	3.1
7	Oil and gas extraction.....	32.9	93.9	-6.6	-14.5	.....	60.5	58	Rental and leasing services and lessors of intangible assets.....	0.8	5.0	-0.7	-3.2	.....	2.8
8	Mining, except oil and gas.....	-6.7	-2.9	5.4	3.0	.....	-4.8	59	Professional and business services	3.5	3.8	3.6	0.3	2.4	3.7
9	Support activities for mining.....	-9.6	2.9	68.5	-15.8	.....	-3.5	60	Professional, scientific, and technical services	2.0	1.6	4.2	1.3	2.1	1.8
10	Utilities	-2.0	-3.4	12.6	-1.8	2.7	-2.7	61	Legal services	3.0	4.1	5.8	4.0	.....	3.6
11	Construction	6.1	6.6	7.7	4.4	3.5	6.3	62	Computer systems design and related services	3.0	4.3	2.1	-0.5	.....	3.6
12	Manufacturing	-2.1	-2.3	-0.2	-1.9	1.3	-2.2	63	Miscellaneous professional, scientific, and technical services	1.4	0.0	4.3	0.9	.....	0.7
13	Durable goods.....	-4.3	-5.5	-4.0	-2.2	-0.4	-4.9	64	Management of companies and enterprises	7.8	8.9	-1.8	-0.3	2.5	8.3
14	Wood products.....	6.9	-4.6	1.5	-0.9	.....	1.0	65	Administrative and waste management services	4.4	6.0	5.7	-1.6	3.0	5.2
15	Nonmetallic mineral products.....	4.3	0.0	-0.4	1.8	.....	2.1	66	Administrative and support services.....	4.7	6.6	6.2	-2.1	.....	5.7
16	Primary metals.....	-8.7	1.8	-4.9	0.8	.....	-3.6	67	Waste management and remediation services	1.1	-0.4	0.8	4.0	.....	0.4
17	Fabricated metal products.....	2.8	-1.3	2.5	0.6	.....	0.7	68	Educational services, health care, and social assistance	3.6	4.0	5.7	4.2	3.1	3.8
18	Machinery	2.7	-0.6	3.0	0.7	.....	1.0	69	Educational services	5.5	6.0	7.0	6.2	5.3	5.7
19	Computer and electronic products	-24.6	-23.0	-24.0	-11.4	.....	-23.8	70	Health care and social assistance	3.4	3.8	5.5	3.9	2.8	3.6
20	Electrical equipment, appliances, and components.....	0.0	-0.4	1.7	-2.0	.....	-0.2	71	Ambulatory health care services	2.5	2.3	3.9	1.6	.....	2.4
21	Motor vehicles, bodies and trailers, and parts	3.4	-0.7	-0.2	-4.3	.....	1.3	72	Hospitals and nursing and residential care facilities.....	4.4	5.3	7.6	6.5	.....	4.9
22	Other transportation equipment	2.8	4.9	6.2	2.4	.....	3.8	73	Social assistance.....	4.3	5.6	5.8	5.8	.....	5.0
23	Furniture and related products	2.1	1.7	3.9	2.6	.....	1.9	74	Arts, entertainment, recreation, accommodation, and food services	3.4	3.4	1.8	1.5	1.7	3.4
24	Miscellaneous manufacturing.....	1.8	-0.8	3.7	2.8	.....	0.5	75	Arts, entertainment, and recreation	5.1	4.9	4.5	3.4	3.0	5.0
25	Nondurable goods.....	1.4	2.8	5.6	-1.5	3.7	2.1	76	Performing arts, spectator sports, museums, and related activities	7.0	6.4	5.4	3.7	.....	6.7
26	Food and beverage and tobacco products	10.3	1.0	7.0	4.8	.....	5.5	77	Amusements, gambling, and recreation industries	3.6	3.6	3.8	3.1	.....	3.6
27	Textile mills and textile product mills.....	0.1	-3.3	5.4	-2.3	.....	-1.6	78	Accommodation and food services	2.8	3.0	0.8	0.9	1.2	2.9
28	Apparel and leather and allied products	2.7	-1.4	0.4	-1.3	.....	0.6	79	Accommodation.....	3.9	3.3	1.9	-0.3	.....	3.6
29	Paper products	2.1	12.7	0.5	-1.2	.....	7.3	80	Food services and drinking places	2.2	2.8	0.2	1.4	.....	2.5
30	Printing and related support activities	2.0	0.6	3.6	0.6	.....	1.3	81	Other services, except government	4.8	5.4	7.0	5.4	0.4	5.1
31	Petroleum and coal products.....	-20.3	49.4	41.0	-43.2	.....	9.1	82	Government	3.1	3.3	3.8	4.1	3.4	3.2
32	Chemical products	-2.3	0.0	2.8	-0.3	.....	-1.2	83	Federal	3.2	3.1	3.6	4.5	.....	3.2
33	Plastics and rubber products.....	0.3	-2.2	3.5	1.1	.....	-0.9	84	General government	3.5	3.9	2.9	4.4	.....	3.7
34	Wholesale trade	1.1	2.8	-3.8	1.0	0.7	2.0	85	Government enterprises.....	1.9	-0.9	7.5	5.1	.....	0.5
35	Retail trade	0.3	-0.3	-2.9	3.2	-1.5	0.0	86	State and local	3.1	3.4	3.9	3.8	.....	3.2
36	Transportation and warehousing	0.8	0.0	1.3	0.5	2.3	0.4	87	General government.....	3.3	3.8	3.6	3.8	.....	3.5
37	Air transportation.....	-3.8	-3.7	-11.7	-7.7	.....	-3.7	88	Government enterprises.....	0.9	-0.8	6.3	4.0	.....	0.0
38	Rail transportation.....	-1.0	0.6	3.1	3.7	.....	-0.2	89	Addenda:						
39	Water transportation.....	8.3	-0.7	4.8	2.4	.....	3.7	90	Private goods-producing industries ¹	-0.5	1.4	1.9	-1.3	3.3	0.4
40	Truck transportation.....	3.1	2.3	6.4	2.3	.....	2.7		Private services-producing industries ²	1.8	2.1	2.1	2.0	1.3	1.9
41	Transit and ground passenger transportation	1.3	2.3	4.1	2.8	.....	1.8								
42	Pipeline transportation	-10.2	-16.3	9.9	9.8	.....	-13.3								
43	Other transportation and support activities	2.3	2.2	3.1	1.1	.....	2.3								
44	Warehousing and storage	3.2	1.0	2.9	1.9	.....	2.1								
45	Information	-0.8	-0.4	0.1	-1.2	1.4	-0.6								
46	Publishing industries (includes software)	2.2	2.1	2.9	-0.3	.....	2.1								
47	Motion picture and sound recording industries.....	8.3	7.2	5.6	3.6	.....	7.7								
48	Broadcasting and telecommunications	-3.3	-2.2	-2.2	-2.6	.....	-2.8								
49	Information and data processing services	1.1	-1.3	3.4	2.2	.....	-0.1								
50	Finance, insurance, real estate, rental, and leasing	1.4	2.0	2.6	3.1	1.0	1.7								
51	Finance and insurance	-0.8	-0.2	1.1	2.8	0.2	-0.5								

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 8. Gross Output by Industry in Current Dollars, 1998–2002

[Billions of dollars]

Line		1998	1999	2000	2001	2002	Line		1998	1999	2000	2001	2002
1	All industries	15,905.1	16,908.0	18,186.5	18,369.5	18,747.9	52	Federal Reserve banks, credit intermediation, and related activities.....	449.9	494.7	533.8	552.6	585.9
2	Private industries	14,219.6	15,124.3	16,287.7	16,359.6	16,619.2	53	Securities, commodity contracts, and investments.....	228.2	276.3	341.1	284.6	235.3
3	Agriculture, forestry, fishing, and hunting	258.3	250.6	254.3	261.0	250.5	54	Insurance carriers and related activities.....	378.5	401.6	428.0	444.5	463.9
4	Farms.....	208.9	198.5	203.6	213.3	202.2	55	Funds, trusts, and other financial vehicles.....	63.0	72.8	86.1	80.3	74.8
5	Forestry, fishing, and related activities.....	49.4	52.1	50.7	47.7	48.3	56	Real estate and rental and leasing	1,473.7	1,553.1	1,681.0	1,767.3	1,863.1
6	Mining	143.3	151.9	215.9	225.2	190.6	57	Real estate.....	1,309.0	1,370.9	1,475.8	1,565.0	1,662.2
7	Oil and gas extraction.....	66.4	80.1	137.6	132.7	111.9	58	Rental and leasing services and lessors of intangible assets.....	164.7	182.2	205.2	202.3	200.9
8	Mining, except oil and gas.....	50.8	48.5	47.6	49.4	49.5	59	Professional and business services	1,494.9	1,641.4	1,813.5	1,875.5	1,901.3
9	Support activities for mining.....	26.1	23.3	30.7	43.1	29.1	60	Professional, scientific, and technical services	840.2	928.1	1,036.5	1,106.6	1,120.2
10	Utilities	291.9	284.3	319.5	338.6	331.8	61	Legal services.....	163.7	173.8	181.4	193.4	201.0
11	Construction	730.8	798.6	861.5	891.6	899.1	62	Computer systems design and related services.....	127.2	151.3	172.6	173.3	157.0
12	Manufacturing	3,846.1	3,978.0	4,144.5	3,899.3	3,852.7	63	Miscellaneous professional, scientific, and technical services.....	549.3	603.0	682.4	739.8	762.2
13	Durable goods.....	2,199.3	2,287.7	2,328.2	2,127.7	2,085.8	64	Management of companies and enterprises	260.5	276.5	300.6	288.8	288.5
14	Wood products.....	91.1	97.5	94.1	86.9	87.8	65	Administrative and waste management services	394.3	436.9	476.4	480.2	492.5
15	Nonmetallic mineral products.....	91.4	94.7	95.9	93.1	87.6	66	Administrative and support services.....	348.7	387.9	425.6	429.6	441.9
16	Primary metals.....	166.0	155.5	155.0	136.0	134.1	67	Waste management and remediation services.....	45.5	49.0	50.8	50.6	50.6
17	Fabricated metal products.....	250.1	253.1	263.9	248.6	246.6	68	Educational services, health care, and social assistance	984.4	1,038.2	1,109.9	1,201.0	1,296.5
18	Machinery.....	269.0	266.7	281.6	253.4	246.1	69	Educational services.....	120.6	129.0	140.5	150.8	158.8
19	Computer and electronic products.....	427.8	454.3	500.8	418.7	386.5	70	Health care and social assistance.....	863.8	909.2	969.4	1,050.2	1,137.7
20	Electrical equipment, appliances, and components.....	113.7	114.9	121.7	110.3	100.0	71	Ambulatory health care services.....	406.6	424.4	451.2	488.4	526.5
21	Motor vehicles, bodies and trailers, and parts.....	434.7	494.4	466.8	420.2	436.1	72	Hospitals and nursing and residential care facilities.....	385.2	405.5	430.0	463.0	505.3
22	Other transportation equipment.....	179.4	174.3	156.8	172.5	168.7	73	Social assistance.....	72.0	79.2	88.3	98.8	105.9
23	Furniture and related products.....	68.9	71.8	74.0	70.5	68.6	74	Arts, entertainment, recreation, accommodation, and food services	562.8	593.5	640.0	654.4	687.2
24	Miscellaneous manufacturing.....	107.2	110.5	117.6	117.5	123.6	75	Arts, entertainment, and recreation.....	129.8	137.9	147.1	154.9	166.2
25	Nondurable goods.....	1,646.8	1,690.3	1,816.3	1,771.7	1,766.9	76	Performing arts, spectator sports, museums, and related activities.....	58.5	61.9	65.9	70.3	75.2
26	Food and beverage and tobacco products.....	531.3	538.5	557.1	576.9	592.1	77	Amusements, gambling, and recreation industries.....	71.3	76.0	81.2	84.6	91.0
27	Textile mills and textile product mills.....	88.2	86.2	84.5	76.0	75.9	78	Accommodation and food services	433.0	455.6	492.9	499.5	521.0
28	Apparel and leather and allied products.....	72.3	69.9	66.4	56.3	58.1	79	Accommodation.....	116.3	123.6	137.6	130.4	132.5
29	Paper products.....	152.5	154.9	162.4	153.5	150.3	80	Food services and drinking places.....	316.7	332.0	355.3	369.2	388.5
30	Printing and related support activities.....	99.4	101.5	103.4	100.1	98.1	81	Other services, except government	379.2	397.2	428.3	447.6	454.0
31	Petroleum and coal products.....	134.7	158.7	230.4	216.3	204.9	82	Government	1,685.5	1,783.6	1,898.8	2,009.9	2,128.7
32	Chemical products.....	406.8	411.1	437.6	425.0	411.9	83	Federal	540.5	563.4	592.0	623.6	682.4
33	Plastics and rubber products.....	161.7	169.5	174.6	167.6	175.6	84	General government.....	464.6	483.6	509.2	540.8	599.6
34	Wholesale trade	767.8	818.9	867.2	859.6	869.5	85	Government enterprises.....	75.9	79.8	82.9	82.8	82.8
35	Retail trade	874.5	950.7	1,011.1	1,012.7	1,094.6	86	State and local	1,145.0	1,220.3	1,306.8	1,386.3	1,446.3
36	Transportation and warehousing	533.5	560.1	592.9	568.0	567.4	87	General government.....	1,008.6	1,076.4	1,153.2	1,220.8	1,279.3
37	Air transportation.....	106.9	111.7	121.9	106.0	101.0	88	Government enterprises.....	136.4	143.9	153.6	165.5	167.0
38	Rail transportation.....	43.1	42.2	42.7	44.0	43.7	89	Addenda:					
39	Water transportation.....	25.0	27.0	28.9	28.3	27.9	90	Private goods-producing industries ¹	4,978.5	5,179.1	5,476.1	5,277.1	5,192.9
40	Truck transportation.....	184.1	198.7	213.2	202.7	205.1		Private services-producing industries ²	9,241.1	9,945.2	10,811.6	11,082.5	11,426.3
41	Transit and ground passenger transportation.....	26.0	25.9	25.3	25.3	25.5							
42	Pipeline transportation.....	28.1	28.1	26.8	27.7	28.0							
43	Other transportation and support activities.....	90.0	95.0	101.7	100.1	98.7							
44	Warehousing and storage.....	30.2	31.4	32.7	33.9	37.6							
45	Information	758.8	862.5	959.2	995.7	1,001.0							
46	Publishing industries (includes software).....	205.4	226.4	242.2	242.3	239.0							
47	Motion picture and sound recording industries.....	66.0	73.0	77.0	79.8	81.8							
48	Broadcasting and telecommunications.....	434.6	495.8	554.9	581.8	581.3							
49	Information and data processing services.....	52.8	67.2	85.2	91.7	98.9							
50	Finance, insurance, real estate, rental, and leasing	2,593.3	2,798.5	3,070.1	3,129.4	3,223.1							
51	Finance and insurance	1,119.6	1,245.4	1,389.1	1,362.1	1,360.0							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 9. Intermediate Inputs by Industry in Current Dollars, 1998–2002

(Billions of dollars)

Line		1998	1999	2000	2001	2002	Line		1998	1999	2000	2001	2002
1	All industries	7,158.1	7,639.6	8,369.6	8,268.7	8,267.1	51	Finance and insurance	478.5	565.5	648.6	591.9	556.0
2	Private industries	6,567.1	6,997.1	7,673.4	7,518.5	7,465.1	52	Federal Reserve banks, credit intermediation, and related activities.....	172.1	186.7	214.8	200.3	211.2
3	Agriculture, forestry, fishing, and hunting	155.9	156.8	156.3	158.1	151.9	53	Securities, commodity contracts, and investments	94.1	136.3	173.4	120.0	72.8
4	Farms	130.0	129.8	132.1	137.8	131.5	54	Insurance carriers and related activities.....	161.1	184.7	189.7	209.2	215.2
5	Forestry, fishing, and related activities	25.9	27.1	24.2	20.3	20.4	55	Funds, trusts, and other financial vehicles.....	51.1	57.8	70.6	62.4	56.9
6	Mining	68.5	66.5	94.5	106.5	85.0	56	Real estate and rental and leasing	430.2	434.6	490.5	509.5	541.4
7	Oil and gas extraction.....	31.2	32.9	56.6	58.8	47.8	57	Real estate	358.7	352.9	393.7	415.0	451.9
8	Mining, except oil and gas.....	23.8	21.0	20.6	22.4	23.3	58	Rental and leasing services and lessors of intangible assets.....	71.5	81.6	96.9	94.5	89.5
9	Support activities for mining.....	13.6	12.7	17.3	25.3	13.8	59	Professional and business services	518.8	576.9	672.6	687.7	681.1
10	Utilities	111.1	98.9	130.2	143.4	130.1	60	Professional, scientific, and technical services	274.9	314.1	361.3	395.6	396.7
11	Construction	356.4	392.0	425.6	432.0	434.3	61	Legal services	42.8	46.4	45.3	50.1	51.3
12	Manufacturing	2,502.3	2,604.9	2,718.3	2,553.3	2,501.1	62	Computer systems design and related services.....	34.3	43.5	46.9	36.3	27.6
13	Durable goods.....	1,392.4	1,467.3	1,462.9	1,339.6	1,299.6	63	Miscellaneous professional, scientific, and technical services	197.8	224.2	269.2	309.3	317.8
14	Wood products	61.8	65.5	62.6	55.8	55.8	64	Management of companies and enterprises	103.7	106.0	117.3	101.1	86.5
15	Nonmetallic mineral products	49.1	49.6	50.2	48.4	43.1	65	Administrative and waste management services	140.2	156.7	194.0	190.9	197.8
16	Primary metals	116.6	108.2	106.8	94.0	93.3	66	Administrative and support services.....	116.8	132.5	168.4	167.0	174.9
17	Fabricated metal products.....	137.4	136.8	142.2	135.1	134.3	67	Waste management and remediation services	23.4	24.3	25.7	23.9	22.9
18	Machinery	157.5	161.1	172.3	149.9	148.0	68	Educational services, health care, and social assistance	382.8	403.7	431.4	468.3	503.3
19	Computer and electronic products	262.1	291.6	315.2	277.0	246.7	69	Educational services	52.9	56.2	61.2	65.0	67.3
20	Electrical equipment, appliances, and components	68.9	66.7	71.1	61.6	53.9	70	Health care and social assistance	329.9	347.4	370.2	403.3	436.0
21	Motor vehicles, bodies and trailers, and parts.....	325.9	379.0	348.7	312.2	316.9	71	Ambulatory health care services	130.5	135.9	143.5	155.0	162.6
22	Other transportation equipment	116.1	110.0	92.4	105.3	104.5	72	Hospitals and nursing and residential care facilities	170.7	180.0	191.4	207.0	229.3
23	Furniture and related products	39.8	40.8	41.3	39.7	38.0	73	Social assistance.....	28.8	31.6	35.2	41.3	44.2
24	Miscellaneous manufacturing.....	57.3	58.0	60.0	60.6	65.2	74	Arts, entertainment, recreation, accommodation, and food services	256.8	265.7	289.9	295.5	315.7
25	Nondurable goods.....	1,109.9	1,137.6	1,255.4	1,213.7	1,201.4	75	Arts, entertainment, and recreation	53.0	54.1	58.4	60.1	66.6
26	Food and beverage and tobacco products	393.8	385.0	402.3	415.3	423.3	76	Performing arts, spectator sports, museums, and related activities.....	23.8	24.1	25.9	27.7	30.2
27	Textile mills and textile product mills.....	61.0	59.8	58.0	52.9	53.2	77	Amusements, gambling, and recreation industries	29.1	30.0	32.5	32.4	36.4
28	Apparel and leather and allied products.....	46.3	45.2	41.3	33.4	34.9	78	Accommodation and food services	203.8	211.7	231.5	235.4	249.1
29	Paper products	100.4	100.7	106.8	103.5	101.5	79	Accommodation.....	38.3	39.3	46.9	42.1	42.7
30	Printing and related support activities.....	52.9	53.3	54.4	52.7	51.1	80	Food services and drinking places	165.6	172.3	184.6	193.3	206.4
31	Petroleum and coal products.....	104.0	136.3	204.1	184.0	180.7	81	Other services, except government	168.1	179.4	199.2	196.8	200.3
32	Chemical products	253.4	253.9	280.5	267.7	244.0	82	Government	591.0	642.4	696.2	750.2	801.9
33	Plastics and rubber products.....	98.1	103.4	107.9	104.1	112.8	83	Federal	187.6	201.5	213.3	236.7	273.5
34	Wholesale trade	224.8	241.2	275.5	256.6	246.7	84	General government.....	171.5	182.7	193.8	215.6	254.3
35	Retail trade	275.8	315.3	348.7	325.0	328.8	85	Government enterprises.....	16.1	18.8	19.5	21.1	19.1
36	Transportation and warehousing	259.8	272.6	291.3	273.0	272.6	86	State and local	403.5	440.9	482.9	513.6	528.5
37	Air transportation.....	54.4	56.8	64.2	55.4	53.1	87	General government.....	331.4	364.6	399.0	420.8	435.8
38	Rail transportation.....	18.5	17.6	17.1	18.7	19.3	88	Government enterprises.....	72.1	76.3	83.9	92.7	92.7
39	Water transportation.....	18.5	20.6	21.6	21.0	21.0	89	Addenda:					
40	Truck transportation.....	97.9	108.8	120.4	110.1	111.0	89	Private goods-producing industries ¹	3,083.1	3,220.2	3,394.6	3,250.0	3,172.2
41	Transit and ground passenger transportation	12.2	11.5	10.8	9.6	9.2	90	Private services-producing industries ²	3,484.0	3,776.9	4,278.8	4,268.5	4,292.9
42	Pipeline transportation	18.9	18.9	18.0	18.6	18.7							
43	Other transportation and support activities	30.2	30.3	31.4	30.8	28.0							
44	Warehousing and storage	9.1	8.2	7.7	8.7	12.2							
45	Information	377.2	423.2	500.9	520.8	517.0							
46	Publishing industries (includes software).....	108.7	107.7	125.5	123.7	118.9							
47	Motion picture and sound recording industries	40.7	42.9	44.4	46.1	47.2							
48	Broadcasting and telecommunications	204.8	242.0	283.6	300.6	297.4							
49	Information and data processing services.....	23.0	30.5	47.4	50.6	53.5							
50	Finance, insurance, real estate, rental, and leasing	908.7	1,000.1	1,139.1	1,101.5	1,097.3							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 10. Chain-Type Quantity Indexes for Gross Output by Industry, 1998–2002

[2000 = 100]

Line		1998	1999	2000	2001	2002	Line		1998	1999	2000	2001	2002
1	All industries	90.938	95.599	100.000	99.770	100.974	51	Finance and insurance	78.985	88.907	100.000	98.349	96.203
2	Private industries	90.486	95.356	100.000	99.424	100.400	52	Federal Reserve banks, credit intermediation, and related activities	89.494	96.580	100.000	101.190	102.676
3	Agriculture, forestry, fishing, and hunting	97.051	99.042	100.000	99.796	99.295	53	Securities, commodity contracts, and investments	51.133	70.536	100.000	90.533	77.910
4	Farms	97.452	98.462	100.000	99.807	98.613	54	Insurance carriers and related activities	92.565	96.307	100.000	101.078	102.157
5	Forestry, fishing, and related activities	95.402	101.343	100.000	99.751	102.307	55	Funds, trusts, and other financial vehicles	75.489	84.158	100.000	96.507	91.404
6	Mining	98.484	95.751	100.000	102.578	97.196	56	Real estate and rental and leasing	92.855	95.456	100.000	101.989	104.686
7	Oil and gas extraction	100.047	97.646	100.000	100.480	101.083	57	Real estate	93.968	95.818	100.000	102.470	105.402
8	Mining, except oil and gas	102.957	101.958	100.000	100.368	98.871	58	Rental and leasing services and lessors of intangible assets	84.806	92.839	100.000	98.474	99.386
9	Support activities for mining	85.505	79.201	100.000	113.960	83.267	59	Professional and business services	87.289	93.389	100.000	100.786	101.723
10	Utilities	96.809	94.409	100.000	97.064	100.577	60	Professional, scientific, and technical services	83.616	90.935	100.000	103.672	103.775
11	Construction	91.982	96.757	100.000	99.363	97.735	61	Legal services	95.763	99.182	100.000	101.821	102.471
12	Manufacturing	94.116	98.027	100.000	95.119	94.904	62	Computer systems design and related services	77.589	90.542	100.000	99.124	90.103
13	Durable goods	90.551	96.616	100.000	93.698	92.770	63	Miscellaneous professional, scientific, and technical services	81.940	88.874	100.000	105.309	107.521
14	Wood products	97.498	101.117	100.000	93.572	95.255	64	Management of companies and enterprises	96.765	97.619	100.000	96.360	96.338
15	Nonmetallic mineral products	99.115	100.082	100.000	96.566	90.044	65	Administrative and waste management services	89.598	96.165	100.000	97.266	100.606
16	Primary metals	106.112	104.480	100.000	90.833	89.568	66	Administrative and support services	89.037	95.783	100.000	97.159	101.181
17	Fabricated metal products	96.153	96.819	100.000	93.740	92.625	67	Waste management and remediation services	94.218	99.326	100.000	98.172	95.768
18	Machinery	97.119	95.367	100.000	89.184	86.223	68	Educational services, health care, and social assistance	94.034	96.651	100.000	104.184	109.472
19	Computer and electronic products	66.059	80.557	100.000	94.827	92.206	69	Educational services	92.864	95.874	100.000	102.685	104.243
20	Electrical equipment, appliances, and components	94.032	95.523	100.000	90.669	83.045	70	Health care and social assistance	94.202	96.763	100.000	104.403	110.237
21	Motor vehicles, bodies and trailers, and parts	93.625	106.241	100.000	90.465	95.016	71	Ambulatory health care services	94.246	96.349	100.000	105.037	111.709
22	Other transportation equipment	118.362	114.012	100.000	107.449	103.952	72	Hospitals and nursing and residential care facilities	95.414	97.811	100.000	103.059	108.456
23	Furniture and related products	95.614	98.418	100.000	93.897	90.444	73	Social assistance	88.003	93.778	100.000	107.735	111.517
24	Miscellaneous manufacturing	92.645	94.759	100.000	98.518	102.517	74	Arts, entertainment, recreation, accommodation, and food services	92.929	95.684	100.000	100.319	104.397
25	Nondurable goods	99.120	99.932	100.000	96.912	97.582	75	Arts, entertainment, and recreation	95.581	97.687	100.000	101.573	106.279
26	Food and beverage and tobacco products	99.008	98.513	100.000	99.558	102.357	76	Performing arts, spectator sports, museums, and related activities	98.415	98.817	100.000	102.165	106.164
27	Textile mills and textile product mills	101.925	101.952	100.000	90.203	91.171	77	Amusements, gambling, and recreation industries	93.331	96.777	100.000	101.090	106.378
28	Apparel and leather and allied products	109.703	105.871	100.000	84.705	88.024	78	Accommodation and food services	92.146	95.090	100.000	99.941	103.825
29	Paper products	101.548	102.856	100.000	94.809	94.673	79	Accommodation	90.059	92.744	100.000	92.999	94.583
30	Printing and related support activities	99.106	100.345	100.000	95.098	93.596	80	Food services and drinking places	92.953	95.997	100.000	102.638	107.416
31	Petroleum and coal products	97.645	100.751	100.000	101.517	100.378	81	Other services, except government	94.599	96.231	100.000	100.274	98.611
32	Chemical products	98.280	99.151	100.000	96.463	93.638	82	Government	94.874	97.706	100.000	102.703	105.816
33	Plastics and rubber products	94.999	99.324	100.000	95.152	99.940	83	Federal	96.762	98.252	100.000	102.381	108.453
34	Wholesale trade	91.716	96.890	100.000	101.820	102.141	84	General government	97.261	98.499	100.000	103.679	111.330
35	Retail trade	87.881	94.804	100.000	101.923	107.643	85	Government enterprises	93.778	96.759	100.000	94.529	91.194
36	Transportation and warehousing	94.878	98.081	100.000	95.195	95.168	86	State and local	94.010	97.457	100.000	102.849	104.619
37	Air transportation	90.827	95.204	100.000	93.856	94.304	87	General government	94.080	97.492	100.000	102.746	104.753
38	Rail transportation	102.297	100.382	100.000	101.174	98.312	88	Government enterprises	93.488	97.195	100.000	103.622	103.613
39	Water transportation	94.325	97.363	100.000	96.013	93.121	89	Addenda:					
40	Truck transportation	92.626	97.515	100.000	92.157	92.336	89	Private goods-producing industries ¹	94.039	97.797	100.000	96.317	95.656
41	Transit and ground passenger transportation	108.612	106.537	100.000	97.921	96.988	90	Private services-producing industries ²	88.693	94.125	100.000	100.987	102.770
42	Pipeline transportation	108.414	109.352	100.000	100.256	101.653							
43	Other transportation and support activities	93.704	96.873	100.000	96.478	94.333							
44	Warehousing and storage	97.023	98.074	100.000	101.077	110.431							
45	Information	79.092	90.309	100.000	103.639	104.602							
46	Publishing industries (includes software)	87.378	95.268	100.000	98.426	97.260							
47	Motion picture and sound recording industries	95.143	99.924	100.000	99.991	100.010							
48	Broadcasting and telecommunications	76.020	88.612	100.000	106.105	107.203							
49	Information and data processing services	62.373	78.982	100.000	105.947	112.950							
50	Finance, insurance, real estate, rental, and leasing	86.423	92.454	100.000	100.357	100.907							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 10.A. Percent Changes in Chain-Type Quantity Indexes for Gross Output by Industry

Line		1999	2000	2001	2002	Average annual rate of change 1998–2000	Line		1999	2000	2001	2002	Average annual rate of change 1998–2000
1	All industries	5.1	4.6	-0.2	1.2	4.9	52	Federal Reserve banks, credit intermediation, and related activities	7.9	3.5	1.2	1.5	5.7
2	Private industries	5.4	4.9	-0.6	1.0	5.1	53	Securities, commodity contracts, and investments	37.9	41.8	-9.5	-13.9	39.8
3	Agriculture, forestry, fishing, and hunting	2.1	1.0	-0.2	-0.5	1.5	54	Insurance carriers and related activities	4.0	3.8	1.1	1.1	3.9
4	Farms	1.0	1.6	-0.2	-1.2	1.3	55	Funds, trusts, and other financial vehicles	11.5	18.8	-3.5	-5.3	15.1
5	Forestry, fishing, and related activities	6.2	-1.3	-0.2	2.6	2.4	56	Real estate and rental and leasing	2.8	4.8	2.0	2.6	3.8
6	Mining	-2.8	4.4	2.6	-5.2	0.8	57	Real estate	2.0	4.4	2.5	2.9	3.2
7	Oil and gas extraction	-2.4	2.4	0.5	0.6	0.0	58	Rental and leasing services and lessors of intangible assets	9.5	7.7	-1.5	0.9	8.6
8	Mining, except oil and gas	-1.0	-1.9	0.4	-1.5	-1.4	59	Professional and business services	7.0	7.1	0.8	0.9	7.0
9	Support activities for mining	-7.4	26.3	14.0	-26.9	8.1	60	Professional, scientific, and technical services	8.8	10.0	3.7	0.1	9.4
10	Utilities	-2.5	5.9	-2.9	3.6	1.6	61	Legal services	3.6	0.8	1.8	0.6	2.2
11	Construction	5.2	3.4	-0.6	-1.6	4.3	62	Computer systems design and related services	16.7	10.4	-0.9	-9.1	13.5
12	Manufacturing	4.2	2.0	-4.9	-0.2	3.1	63	Miscellaneous professional, scientific, and technical services	8.5	12.5	5.3	2.1	10.5
13	Durable goods	6.7	3.5	-6.3	-1.0	5.1	64	Management of companies and enterprises	0.9	2.4	-3.6	0.0	1.7
14	Wood products	3.7	-1.1	-6.4	1.8	1.3	65	Administrative and waste management services	7.3	4.0	-2.7	3.4	5.6
15	Nonmetallic mineral products	1.0	-0.1	-3.4	-6.8	0.4	66	Administrative and support services	7.6	4.4	-2.8	4.1	6.0
16	Primary metals	-1.5	-4.3	-9.2	-1.4	-2.9	67	Waste management and remediation services	5.4	0.7	-1.8	-2.4	3.0
17	Fabricated metal products	0.7	3.3	-6.3	-1.2	2.0	68	Educational services, health care, and social assistance	2.8	3.5	4.2	5.1	3.1
18	Machinery	-1.8	4.9	-10.8	-3.3	1.5	69	Educational services	3.2	4.3	2.7	1.5	3.8
19	Computer and electronic products	21.9	24.1	-5.2	-2.8	23.0	70	Health care and social assistance	2.7	3.3	4.4	5.6	3.0
20	Electrical equipment, appliances, and components	1.6	4.7	-9.3	-8.4	3.1	71	Ambulatory health care services	2.2	3.8	5.0	6.4	3.0
21	Motor vehicles, bodies and trailers, and parts	13.5	-5.9	-9.5	5.0	3.3	72	Hospitals and nursing and residential care facilities	2.5	2.2	3.1	5.2	2.4
22	Other transportation equipment	-3.7	-12.3	7.4	-3.3	-8.1	73	Social assistance	6.6	6.6	7.7	3.5	6.6
23	Furniture and related products	2.9	1.6	-6.1	-3.7	2.3	74	Arts, entertainment, recreation, accommodation, and food services	3.0	4.5	0.3	4.1	3.7
24	Miscellaneous manufacturing	2.3	5.5	-1.5	4.1	3.9	75	Arts, entertainment, and recreation	2.2	2.4	1.6	4.6	2.3
25	Nondurable goods	0.8	0.1	-3.1	0.7	0.4	76	Performing arts, spectator sports, museums, and related activities	0.4	1.2	2.2	3.9	0.8
26	Food and beverage and tobacco products	-0.5	1.5	-0.6	3.0	0.5	77	Amusements, gambling, and recreation industries	3.7	3.3	1.1	5.2	3.5
27	Textile mills and textile product mills	0.0	-1.9	-9.8	1.1	-0.9	78	Accommodation and food services	3.2	5.2	-0.1	3.9	4.2
28	Apparel and leather and allied products	-3.5	-5.5	-15.3	3.9	-4.5	79	Accommodation	3.0	7.8	-7.0	1.7	5.4
29	Paper products	1.3	-2.8	-5.2	-0.1	-0.8	80	Food services and drinking places	3.3	4.2	2.6	4.7	3.7
30	Printing and related support activities	1.3	-0.3	-4.9	-1.6	0.4	81	Other services, except government	1.7	3.9	0.3	-1.7	2.8
31	Petroleum and coal products	3.2	-0.7	1.5	-1.1	1.2	82	Government	3.0	2.3	2.7	3.0	2.7
32	Chemical products	0.9	0.9	-3.5	-2.9	0.9	83	Federal	1.5	1.8	2.4	5.9	1.7
33	Plastics and rubber products	4.6	0.7	-4.8	5.0	2.6	84	General government	1.3	1.5	3.7	7.4	1.4
34	Wholesale trade	5.6	3.2	1.8	0.3	4.4	85	Government enterprises	3.2	3.3	-5.5	-3.5	3.3
35	Retail trade	7.9	5.5	1.9	5.6	6.7	86	State and local	3.7	2.6	2.8	1.7	3.1
36	Transportation and warehousing	3.4	2.0	-4.8	0.0	2.7	87	General government	3.6	2.6	2.7	2.0	3.1
37	Air transportation	4.8	5.0	-6.1	0.5	4.9	88	Government enterprises	4.0	2.9	3.6	0.0	3.4
38	Rail transportation	-1.9	-0.4	1.2	-2.8	-1.1		Addenda:					
39	Water transportation	3.2	2.7	-4.0	-3.0	3.0	89	Private goods-producing industries ¹	4.0	2.3	-3.7	-0.7	3.1
40	Truck transportation	5.3	2.5	-7.8	0.2	3.9	90	Private services-producing industries ²	6.1	6.2	1.0	1.8	6.2
41	Transit and ground passenger transportation	-1.9	-6.1	-2.1	-1.0	-4.0							
42	Pipeline transportation	0.9	-8.6	0.3	1.4	-4.0							
43	Other transportation and support activities	3.4	3.2	-3.5	-2.2	3.3							
44	Warehousing and storage	1.1	2.0	1.1	9.3	1.5							
45	Information	14.2	10.7	3.6	0.9	12.4							
46	Publishing industries (includes software)	9.0	5.0	-1.6	-1.2	7.0							
47	Motion picture and sound recording industries	5.0	0.1	0.0	0.0	2.5							
48	Broadcasting and telecommunications	16.6	12.9	6.1	1.0	14.7							
49	Information and data processing services	26.6	26.6	5.9	6.6	26.6							
50	Finance, insurance, real estate, rental, and leasing	7.0	8.2	0.4	0.5	7.6							
51	Finance and insurance	12.6	12.5	-1.7	-2.2	12.5							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 11. Chain-Type Price Indexes for Gross Output by Industry, 1998–2002

[2000 = 100]

Line		1998	1999	2000	2001	2002	Line		1998	1999	2000	2001	2002
1	All industries	96.171	97.249	100.000	101.239	102.092	51	Finance and insurance	102.046	100.839	100.000	99.700	101.769
2	Private industries	96.482	97.380	100.000	101.023	101.629	52	Federal Reserve banks, credit intermediation, and related activities	94.167	95.952	100.000	102.298	106.897
3	Agriculture, forestry, fishing, and hunting	104.652	99.497	100.000	102.869	99.206	53	Securities, commodity contracts, and investments	130.831	114.807	100.000	92.164	88.549
4	Farms	105.273	99.035	100.000	104.989	100.726	54	Insurance carriers and related activities	95.544	97.421	100.000	102.750	106.103
5	Forestry, fishing, and related activities	102.148	101.326	100.000	94.350	93.061	55	Funds, trusts, and other financial vehicles	96.909	100.505	100.000	96.632	95.039
6	Mining	67.404	73.488	100.000	101.694	90.819	56	Real estate and rental and leasing	94.416	96.791	100.000	103.087	105.871
7	Oil and gas extraction	48.205	59.605	100.000	95.954	80.478	57	Real estate	94.392	96.945	100.000	103.490	106.856
8	Mining, except oil and gas	103.717	99.923	100.000	103.456	105.205	58	Rental and leasing services and lessors of intangible assets	94.658	95.659	100.000	100.130	98.517
9	Support activities for mining	99.562	96.003	100.000	123.262	113.965	59	Professional and business services	94.440	96.920	100.000	102.616	103.065
10	Utilities	94.392	94.274	100.000	109.184	103.262	60	Professional, scientific, and technical services	96.950	98.467	100.000	102.983	104.149
11	Construction	92.225	95.810	100.000	104.156	106.790	61	Legal services	94.254	96.582	100.000	104.708	108.135
12	Manufacturing	98.603	97.915	100.000	98.912	97.952	62	Computer systems design and related services	94.937	96.811	100.000	101.295	100.959
13	Durable goods	104.322	101.703	100.000	97.533	96.572	63	Miscellaneous professional, scientific, and technical services	98.236	99.418	100.000	102.945	103.873
14	Wood products	99.381	102.480	100.000	98.701	98.039	64	Management of companies and enterprises	89.545	94.211	100.000	99.697	99.628
15	Nonmetallic mineral products	96.133	98.659	100.000	100.553	101.428	65	Administrative and waste management services	92.365	95.365	100.000	103.628	102.760
16	Primary metals	100.962	96.053	100.000	96.623	96.596	66	Administrative and support services	92.031	95.162	100.000	103.904	102.625
17	Fabricated metal products	98.543	99.063	100.000	100.484	100.862	67	Waste management and remediation services	95.088	97.037	100.000	101.332	103.975
18	Machinery	98.369	99.305	100.000	100.901	101.358	68	Educational services, health care, and social assistance	94.319	96.781	100.000	103.864	106.707
19	Computer and electronic products	129.323	112.625	100.000	88.168	83.717	69	Educational services	92.412	95.786	100.000	104.549	108.454
20	Electrical equipment, appliances, and components	99.333	98.845	100.000	99.962	98.919	70	Health care and social assistance	94.593	96.925	100.000	103.765	106.460
21	Motor vehicles, bodies and trailers, and parts	99.469	99.692	100.000	99.496	98.332	71	Ambulatory health care services	95.617	97.638	100.000	103.056	104.469
22	Other transportation equipment	96.841	97.456	100.000	102.378	103.497	72	Hospitals and nursing and residential care facilities	93.893	96.433	100.000	104.487	108.353
23	Furniture and related products	97.304	98.471	100.000	101.359	102.411	73	Social assistance	92.755	95.676	100.000	103.906	107.575
24	Miscellaneous manufacturing	98.399	99.211	100.000	101.449	102.578	74	Arts, entertainment, recreation, accommodation, and food services	94.620	96.914	100.000	101.919	102.849
25	Nondurable goods	91.474	93.126	100.000	100.649	99.692	75	Arts, entertainment, and recreation	92.318	95.963	100.000	103.655	106.312
26	Food and beverage and tobacco products	96.330	98.127	100.000	104.224	103.833	76	Performing arts, spectator sports, museums, and related activities	90.102	94.936	100.000	104.356	107.437
27	Textile mills and textile product mills	102.378	100.118	100.000	99.727	98.485	77	Amusements, gambling, and recreation industries	94.165	96.806	100.000	103.083	105.393
28	Apparel and leather and allied products	99.325	99.524	100.000	100.152	99.526	78	Accommodation and food services	95.324	97.201	100.000	101.396	101.801
29	Paper products	92.480	92.727	100.000	99.680	97.781	79	Accommodation	93.876	96.852	100.000	101.887	101.791
30	Printing and related support activities	96.967	97.789	100.000	101.798	101.377	80	Food services and drinking places	95.869	97.335	100.000	101.216	101.794
31	Petroleum and coal products	59.866	68.383	100.000	92.501	88.607	81	Other services, except government	93.608	96.384	100.000	104.228	107.502
32	Chemical products	94.581	94.745	100.000	100.671	100.519	82	Government	93.563	96.140	100.000	103.061	105.942
33	Plastics and rubber products	97.502	97.713	100.000	100.878	100.645	83	Federal	94.348	96.852	100.000	102.876	106.283
34	Wholesale trade	96.535	97.461	100.000	97.361	98.172	84	General government	93.807	96.420	100.000	102.446	105.783
35	Retail trade	98.410	99.180	100.000	98.270	100.568	85	Government enterprises	97.723	99.529	100.000	105.645	109.534
36	Transportation and warehousing	94.826	96.302	100.000	100.634	100.559	86	State and local	93.205	95.816	100.000	103.144	105.785
37	Air transportation	96.578	96.246	100.000	92.626	87.906	87	General government	92.964	95.740	100.000	103.029	105.898
38	Rail transportation	98.635	98.545	100.000	101.917	104.033	88	Government enterprises	95.017	96.385	100.000	104.001	104.931
39	Water transportation	91.950	96.144	100.000	102.112	103.870	89	Addenda:					
40	Truck transportation	93.229	95.580	100.000	103.161	104.214	90	Private goods-producing industries ¹	96.676	96.706	100.000	100.051	99.134
41	Transit and ground passenger transportation	94.863	96.287	100.000	102.426	104.069		Private services-producing industries ²	96.370	97.729	100.000	101.504	102.837
42	Pipeline transportation	96.899	96.080	100.000	103.343	102.884							
43	Other transportation and support activities	94.505	96.498	100.000	102.102	102.890							
44	Warehousing and storage	95.312	97.993	100.000	102.698	104.126							
45	Information	100.023	99.566	100.000	100.157	99.766							
46	Publishing industries (includes software)	97.056	98.120	100.000	101.630	101.462							
47	Motion picture and sound recording industries	90.105	94.966	100.000	103.691	106.252							
48	Broadcasting and telecommunications	103.042	100.843	100.000	98.828	97.726							
49	Information and data processing services	99.418	99.934	100.000	101.681	102.805							
50	Finance, insurance, real estate, rental, and leasing	97.742	98.594	100.000	101.570	104.040							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.
2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 11.A. Percent Changes in Chain-Type Price Indexes for Gross Output by Industry

Line		1999	2000	2001	2002	Average annual rate of change 1998–2000	Line		1999	2000	2001	2002	Average annual rate of change 1998–2000
1	All industries	1.1	2.8	1.2	0.8	2.0	52	Federal Reserve banks, credit intermediation, and related activities	1.9	4.2	2.3	4.5	3.1
2	Private industries	0.9	2.7	1.0	0.6	1.8	53	Securities, commodity contracts, and investments	-12.2	-12.9	-7.8	-3.9	-12.6
3	Agriculture, forestry, fishing, and hunting	-4.9	0.5	2.9	-3.6	-2.2	54	Insurance carriers and related activities	2.0	2.6	2.8	3.3	2.3
4	Farms	-5.9	1.0	5.0	-4.1	-2.5	55	Funds, trusts, and other financial vehicles	3.7	-0.5	-3.4	-1.6	1.6
5	Forestry, fishing, and related activities	-0.8	-1.3	-5.7	-1.4	-1.1	56	Real estate and rental and leasing	2.5	3.3	3.1	2.7	2.9
6	Mining	9.0	36.1	1.7	-10.7	21.8	57	Real estate	2.7	3.2	3.5	3.3	2.9
7	Oil and gas extraction	23.6	67.8	-4.0	-16.1	44.0	58	Rental and leasing services and lessors of intangible assets	1.1	4.5	0.1	-1.6	2.8
8	Mining, except oil and gas	-3.7	0.1	3.5	1.7	-1.8	59	Professional and business services	2.6	3.2	2.6	0.4	2.9
9	Support activities for mining	-3.6	4.2	23.3	-7.5	0.2	60	Professional, scientific, and technical services	1.6	1.6	3.0	1.1	1.6
10	Utilities	-0.1	6.1	9.2	-5.4	2.9	61	Legal services	2.5	3.5	4.7	3.3	3.0
11	Construction	3.9	4.4	4.2	2.5	4.1	62	Computer systems design and related services	2.0	3.3	1.3	-0.3	2.6
12	Manufacturing	-0.7	2.1	-1.1	-1.0	0.7	63	Miscellaneous professional, scientific, and technical services	1.2	0.6	2.9	0.9	0.9
13	Durable goods	-2.5	-1.7	-2.5	-1.0	-2.1	64	Management of companies and enterprises	5.2	6.1	-0.3	-0.1	5.7
14	Wood products	3.1	-2.4	-1.3	-0.7	0.3	65	Administrative and waste management services	3.2	4.9	3.6	-0.8	4.1
15	Nonmetallic mineral products	2.6	1.4	0.6	0.9	2.0	66	Administrative and support services	3.4	5.1	3.9	-1.2	4.2
16	Primary metals	-4.9	4.1	-3.4	0.0	-0.5	67	Waste management and remediation services	2.0	3.1	1.3	2.6	2.6
17	Fabricated metal products	0.5	0.9	0.5	0.4	0.7	68	Educational services, health care, and social assistance	2.6	3.3	3.9	2.7	3.0
18	Machinery	1.0	0.7	0.9	0.5	0.8	69	Educational services	3.7	4.4	4.5	3.7	4.0
19	Computer and electronic products	-12.9	-11.2	-11.8	-5.0	-12.1	70	Health care and social assistance	2.5	3.2	3.8	2.6	2.8
20	Electrical equipment, appliances, and components	-0.5	1.2	0.0	-1.0	0.3	71	Ambulatory health care services	2.1	2.4	3.1	1.4	2.3
21	Motor vehicles, bodies and trailers, and parts	0.2	0.3	-0.5	-1.2	0.3	72	Hospitals and nursing and residential care facilities	2.7	3.7	4.5	3.7	3.2
22	Other transportation equipment	0.8	2.6	2.4	1.1	1.7	73	Social assistance	3.1	4.5	3.9	3.5	3.8
23	Furniture and related products	1.2	1.6	1.4	1.0	1.4	74	Arts, entertainment, recreation, accommodation, and food services	2.4	3.2	1.9	0.9	2.8
24	Miscellaneous manufacturing	0.8	0.8	1.4	1.1	0.8	75	Arts, entertainment, and recreation	3.9	4.2	3.7	2.6	4.1
25	Nondurable goods	1.8	7.4	0.6	-1.0	4.6	76	Performing arts, spectator sports, museums, and related activities	5.4	5.3	4.4	3.0	5.3
26	Food and beverage and tobacco products	1.9	1.9	4.2	-0.4	1.9	77	Amusements, gambling, and recreation industries	2.8	3.3	3.1	2.2	3.1
27	Textile mills and textile product mills	-2.2	-0.1	-0.3	-1.2	-1.2	78	Accommodation and food services	2.0	2.9	1.4	0.4	2.4
28	Apparel and leather and allied products	0.2	0.5	0.2	-0.6	0.3	79	Accommodation	3.2	3.3	1.9	-0.1	3.2
29	Paper products	0.3	7.8	-0.3	-1.9	4.0	80	Food services and drinking places	1.5	2.7	1.2	0.6	2.1
30	Printing and related support activities	0.8	2.3	1.8	-0.4	1.6	81	Other services, except government	3.0	3.8	4.2	3.1	3.4
31	Petroleum and coal products	14.2	46.2	-7.5	-4.2	29.2	82	Government	2.8	4.0	3.1	2.8	3.4
32	Chemical products	0.2	5.5	0.7	-0.2	2.8	83	Federal	2.7	3.3	2.9	3.3	3.0
33	Plastics and rubber products	0.2	2.3	0.9	-0.2	1.3	84	General government	2.8	3.7	2.4	3.3	3.2
34	Wholesale trade	1.0	2.6	-2.6	0.8	1.8	85	Government enterprises	1.8	0.5	5.6	3.7	1.2
35	Retail trade	0.8	0.8	-1.7	2.3	0.8	86	State and local	2.8	4.4	3.1	2.6	3.6
36	Transportation and warehousing	1.6	3.8	0.6	-0.1	2.7	87	General government	3.0	4.4	3.0	2.8	3.7
37	Air transportation	-0.3	3.9	-7.4	-5.1	1.8	88	Government enterprises	1.4	3.8	4.0	0.9	2.6
38	Rail transportation	-0.1	1.5	1.9	2.1	0.7	89	Addenda:					
39	Water transportation	4.6	4.0	2.1	1.7	4.3	90	Private goods-producing industries ¹	0.0	3.4	0.1	-0.9	1.7
40	Truck transportation	2.5	4.6	3.2	1.0	3.6		Private services-producing industries ²	1.4	2.3	1.5	1.3	1.9
41	Transit and ground passenger transportation	1.5	3.9	2.4	1.6	2.7							
42	Pipeline transportation	-0.8	4.1	3.3	-0.4	1.6							
43	Other transportation and support activities	2.1	3.6	2.1	0.8	2.9							
44	Warehousing and storage	2.8	2.0	2.7	1.4	2.4							
45	Information	-0.5	0.4	0.2	-0.4	0.0							
46	Publishing industries (includes software)	1.1	1.9	1.6	-0.2	1.5							
47	Motion picture and sound recording industries	5.4	5.3	3.7	2.5	5.3							
48	Broadcasting and telecommunications	-2.1	-0.8	-1.2	-1.1	-1.5							
49	Information and data processing services	0.5	0.1	1.7	1.1	0.3							
50	Finance, insurance, real estate, rental, and leasing	0.9	1.4	1.6	2.4	1.1							
51	Finance and insurance	-1.2	-0.8	-0.3	2.1	-1.0							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 12. Chain-Type Quantity Indexes for Intermediate Inputs by Industry, 1998–2002

[2000 = 100]

Line		1998	1999	2000	2001	2002	Line		1998	1999	2000	2001	2002
1	All industries	89.322	94.647	100.000	98.763	98.841	51	Finance and insurance	71.277	85.808	100.000	93.000	86.343
2	Private industries	89.144	94.418	100.000	98.112	97.594	52	Federal Reserve banks, credit intermediation, and related activities	80.283	87.330	100.000	93.987	98.277
3	Agriculture, forestry, fishing, and hunting	104.276	105.597	100.000	99.780	97.547	53	Securities, commodity contracts, and investments	46.512	73.807	100.000	73.371	44.792
4	Farms	104.115	104.585	100.000	102.081	99.185	54	Insurance carriers and related activities	88.675	99.145	100.000	107.775	107.110
5	Forestry, fishing, and related activities	105.280	110.926	100.000	86.855	88.442	55	Funds, trusts, and other financial vehicles	62.411	75.714	100.000	96.038	88.627
6	Mining	94.219	85.932	100.000	112.980	100.785	56	Real estate and rental and leasing	92.165	91.236	100.000	101.881	106.929
7	Oil and gas extraction	86.140	80.522	100.000	104.412	103.690	57	Real estate	95.651	92.142	100.000	103.188	110.820
8	Mining, except oil and gas	120.686	106.169	100.000	107.986	112.135	58	Rental and leasing services and lessors of intangible assets	77.693	87.471	100.000	96.410	90.542
9	Support activities for mining	83.967	76.701	100.000	147.152	79.905	59	Professional and business services	79.401	87.449	100.000	101.241	99.597
10	Utilities	108.948	93.965	100.000	105.352	106.811	60	Professional, scientific, and technical services	77.675	88.150	100.000	108.634	107.959
11	Construction	86.965	94.094	100.000	100.963	100.918	61	Legal services	97.365	104.444	100.000	108.859	109.957
12	Manufacturing	96.328	100.220	100.000	95.408	93.874	62	Computer systems design and related services	73.086	93.554	100.000	77.690	58.504
13	Durable goods	94.412	100.964	100.000	93.009	90.452	63	Miscellaneous professional, scientific, and technical services	75.164	84.472	100.000	113.851	115.982
14	Wood products	98.683	103.296	100.000	91.586	92.033	64	Management of companies and enterprises	91.318	92.181	100.000	84.329	71.858
15	Nonmetallic mineral products	101.523	101.426	100.000	95.085	84.649	65	Administrative and waste management services	75.393	83.254	100.000	97.849	101.070
16	Primary metals	111.256	106.603	100.000	90.415	90.118	66	Administrative and support services	71.750	80.638	100.000	98.818	103.287
17	Fabricated metal products	98.043	98.956	100.000	96.105	95.446	67	Waste management and remediation services	100.020	100.756	100.000	91.558	86.756
18	Machinery	92.606	94.942	100.000	87.445	86.107	68	Educational services, health care, and social assistance	91.622	95.635	100.000	107.421	114.819
19	Computer and electronic products	76.653	89.456	100.000	91.553	82.438	69	Educational services	89.635	93.996	100.000	104.659	107.738
20	Electrical equipment, appliances, and components	98.380	95.962	100.000	87.762	76.969	70	Health care and social assistance	91.950	95.906	100.000	107.879	115.994
21	Motor vehicles, bodies and trailers, and parts	93.309	109.418	100.000	90.066	91.367	71	Ambulatory health care services	94.629	97.167	100.000	106.648	110.907
22	Other transportation equipment	126.776	120.456	100.000	114.150	112.970	72	Hospitals and nursing and residential care facilities	91.193	95.620	100.000	107.364	118.451
23	Furniture and related products	98.189	100.128	100.000	96.536	92.671	73	Social assistance	85.180	92.333	100.000	115.682	123.483
24	Miscellaneous manufacturing	97.564	98.907	100.000	101.640	109.690	74	Arts, entertainment, recreation, accommodation, and food services	92.296	94.296	100.000	99.813	106.469
25	Nondurable goods	98.862	99.322	100.000	98.205	97.867	75	Arts, entertainment, and recreation	95.644	95.547	100.000	100.535	110.098
26	Food and beverage and tobacco products	99.005	97.874	100.000	100.079	104.502	76	Performing arts, spectator sports, museums, and related activities	98.206	96.415	100.000	104.098	111.449
27	Textile mills and textile product mills	103.158	104.438	100.000	93.740	94.950	77	Amusements, gambling, and recreation industries	93.624	94.857	100.000	97.681	109.035
28	Apparel and leather and allied products	112.428	111.112	100.000	80.839	84.544	78	Accommodation and food services	91.457	93.980	100.000	99.631	105.546
29	Paper products	98.322	99.389	100.000	97.604	97.869	79	Accommodation	85.518	86.417	100.000	88.139	89.038
30	Printing and related support activities	100.665	101.636	100.000	96.661	94.937	80	Food services and drinking places	92.964	95.896	100.000	102.544	109.731
31	Petroleum and coal products	91.762	97.302	100.000	103.834	98.474	81	Other services, except government	86.520	91.706	100.000	97.921	99.278
32	Chemical products	100.396	98.754	100.000	95.976	87.223	82	Government	91.280	97.178	100.000	105.843	112.319
33	Plastics and rubber products	95.922	100.894	100.000	97.199	106.375	83	Federal	92.511	97.850	100.000	109.287	124.532
34	Wholesale trade	83.586	89.180	100.000	93.011	89.041	84	General government	92.931	97.444	100.000	109.322	126.895
35	Retail trade	82.942	93.101	100.000	92.600	93.189	85	Government enterprises	88.113	102.141	100.000	109.001	99.649
36	Transportation and warehousing	99.081	101.472	100.000	93.662	94.244	86	State and local	90.725	96.876	100.000	104.330	106.938
37	Air transportation	101.147	100.923	100.000	87.325	85.233	87	General government	89.959	96.622	100.000	103.520	106.330
38	Rail transportation	112.514	105.278	100.000	108.868	112.505	88	Government enterprises	94.423	98.095	100.000	108.179	109.811
39	Water transportation	93.528	102.718	100.000	96.213	95.767	89	Addenda:					
40	Truck transportation	88.337	96.326	100.000	90.956	91.706	89	Private goods-producing industries ¹	95.413	99.318	100.000	96.806	95.147
41	Transit and ground passenger transportation	122.199	112.839	100.000	88.829	85.134	90	Private services-producing industries ²	84.213	90.556	100.000	99.139	99.509
42	Pipeline transportation	125.340	120.478	100.000	102.922	109.234							
43	Other transportation and support activities	104.319	102.961	100.000	98.137	89.203							
44	Warehousing and storage	127.362	112.061	100.000	110.848	155.565							
45	Information	76.160	85.470	100.000	103.741	102.598							
46	Publishing industries (includes software)	88.213	87.286	100.000	98.124	94.331							
47	Motion picture and sound recording industries	98.552	100.444	100.000	101.301	102.151							
48	Broadcasting and telecommunications	71.960	85.747	100.000	106.216	104.747							
49	Information and data processing services	48.804	65.065	100.000	106.291	112.198							
50	Finance, insurance, real estate, rental, and leasing	80.023	88.123	100.000	96.872	95.383							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 12.A. Percent Changes in Chain-Type Quantity Indexes for Intermediate Inputs by Industry

Line		1999	2000	2001	2002	Average annual rate of change 1998–2000	Line		1999	2000	2001	2002	Average annual rate of change 1998–2000
1	All industries	6.0	5.7	-1.2	0.1	5.8	52	Federal Reserve banks, credit intermediation, and related activities	8.8	14.5	-6.0	4.6	11.6
2	Private industries	5.9	5.9	-1.9	-0.5	5.9	53	Securities, commodity contracts, and investments	58.7	35.5	-26.6	-39.0	46.6
3	Agriculture, forestry, fishing, and hunting	1.3	-5.3	-0.2	-2.2	-2.1	54	Insurance carriers and related activities	11.8	0.9	7.8	-0.6	6.2
4	Farms	0.5	-4.4	2.1	-2.8	-2.0	55	Funds, trusts, and other financial vehicles	21.3	32.1	-4.0	-7.7	26.6
5	Forestry, fishing, and related activities	5.4	-9.8	-13.1	1.8	-2.5	56	Real estate and rental and leasing	-1.0	9.6	1.9	5.0	4.2
6	Mining	-8.8	16.4	13.0	-10.8	3.0	57	Real estate	-3.7	8.5	3.2	7.4	2.2
7	Oil and gas extraction	-6.5	24.2	4.4	-0.7	7.7	58	Rental and leasing services and lessors of intangible assets	12.6	14.3	-3.6	-6.1	13.5
8	Mining, except oil and gas	-12.0	-5.8	8.0	3.8	-9.0	59	Professional and business services	10.1	14.4	1.2	-1.6	12.2
9	Support activities for mining	-8.7	30.4	47.2	-45.7	9.1	60	Professional, scientific, and technical services	13.5	13.4	8.6	-0.6	13.5
10	Utilities	-13.8	6.4	5.4	1.4	-4.2	61	Legal services	7.3	-4.3	8.9	1.0	1.3
11	Construction	8.2	6.3	1.0	0.0	7.2	62	Computer systems design and related services	28.0	6.9	-22.3	-24.7	17.0
12	Manufacturing	4.0	-0.2	-4.6	-1.6	1.9	63	Miscellaneous professional, scientific, and technical services	12.4	18.4	13.9	1.9	15.3
13	Durable goods	6.9	-1.0	-7.0	-2.7	2.9	64	Management of companies and enterprises	0.9	8.5	-15.7	-14.8	4.6
14	Wood products	4.7	-3.2	-8.4	0.5	0.7	65	Administrative and waste management services	10.4	20.1	-2.2	3.3	15.2
15	Nonmetallic mineral products	-0.1	-1.4	-4.9	-11.0	-0.8	66	Administrative and support services	12.4	24.0	-1.2	4.5	18.1
16	Primary metals	-4.2	-6.2	-9.6	-0.3	-5.2	67	Waste management and remediation services	0.7	-0.8	-8.4	-5.2	0.0
17	Fabricated metal products	0.9	1.1	-3.9	-0.7	1.0	68	Educational services, health care, and social assistance	4.4	4.6	7.4	6.9	4.5
18	Machinery	2.5	5.3	-12.6	-1.5	3.9	69	Educational services	4.9	6.4	4.7	2.9	5.6
19	Computer and electronic products	16.7	11.8	-8.4	-10.0	14.2	70	Health care and social assistance	4.3	4.3	7.9	7.5	4.3
20	Electrical equipment, appliances, and components	-2.5	4.2	-12.2	-12.3	0.8	71	Ambulatory health care services	2.7	2.9	6.6	4.0	2.8
21	Motor vehicles, bodies and trailers, and parts	17.3	-8.6	-9.9	1.4	3.5	72	Hospitals and nursing and residential care facilities	4.9	4.6	7.4	10.3	4.7
22	Other transportation equipment	-5.0	-17.0	14.2	-1.0	-11.2	73	Social assistance	8.4	8.3	15.7	6.7	8.4
23	Furniture and related products	2.0	-0.1	-3.5	-4.0	0.9	74	Arts, entertainment, recreation, accommodation, and food services	2.2	6.0	-0.2	6.7	4.1
24	Miscellaneous manufacturing	1.4	1.1	1.6	7.9	1.2	75	Arts, entertainment, and recreation	-0.1	4.7	0.5	9.5	2.3
25	Nondurable goods	0.5	0.7	-1.8	-0.3	0.6	76	Performing arts, spectator sports, museums, and related activities	-1.8	3.7	4.1	7.1	0.9
26	Food and beverage and tobacco products	-1.1	2.2	0.1	4.4	0.5	77	Amusements, gambling, and recreation industries	1.3	5.4	-2.3	11.6	3.3
27	Textile mills and textile product mills	1.2	-4.2	-6.3	1.3	-1.5	78	Accommodation and food services	2.8	6.4	-0.4	5.9	4.6
28	Apparel and leather and allied products	-1.2	-10.0	-19.2	4.6	-5.7	79	Accommodation	1.1	15.7	-11.9	1.0	8.1
29	Paper products	1.1	0.6	-2.4	0.3	0.8	80	Food services and drinking places	3.2	4.3	2.5	7.0	3.7
30	Printing and related support activities	1.0	-1.6	-3.3	-1.8	-0.3	81	Other services, except government	6.0	9.0	-2.1	1.4	7.5
31	Petroleum and coal products	6.0	2.8	3.8	-5.2	4.4	82	Government	6.5	2.9	5.8	6.1	4.7
32	Chemical products	-1.6	1.3	-4.0	-9.1	-0.2	83	Federal	5.8	2.2	9.3	13.9	4.0
33	Plastics and rubber products	5.2	-0.9	-2.8	9.4	2.1	84	General government	4.9	2.6	9.3	16.1	3.7
34	Wholesale trade	6.7	12.1	-7.0	-4.3	9.4	85	Government enterprises	15.9	-2.1	9.0	-8.6	6.5
35	Retail trade	12.2	7.4	-7.4	0.6	9.8	86	State and local	6.8	3.2	4.3	2.5	5.0
36	Transportation and warehousing	2.4	-1.5	-6.3	0.6	0.5	87	General government	7.4	3.5	3.5	2.7	5.4
37	Air transportation	-0.2	-0.9	-12.7	-2.4	-0.6	88	Government enterprises	3.9	1.9	8.2	1.5	2.9
38	Rail transportation	-6.4	-5.0	8.9	3.3	-5.7	89	Addenda:					
39	Water transportation	9.8	-2.6	-3.8	-0.5	3.4	90	Private goods-producing industries ¹	4.1	0.7	-3.2	-1.7	2.4
40	Truck transportation	9.0	3.8	-9.0	0.8	6.4		Private services-producing industries ²	7.5	10.4	-0.9	0.4	9.0
41	Transit and ground passenger transportation	-7.7	-11.4	-11.2	-4.2	-9.5							
42	Pipeline transportation	-3.9	-17.0	2.9	6.1	-10.7							
43	Other transportation and support activities	-1.3	-2.9	-1.9	-9.1	-2.1							
44	Warehousing and storage	-12.0	-10.8	10.8	40.3	-11.4							
45	Information	12.2	17.0	3.7	-1.1	14.6							
46	Publishing industries (includes software)	-1.1	14.6	-1.9	-3.9	6.5							
47	Motion picture and sound recording industries	1.9	-0.4	1.3	0.8	0.7							
48	Broadcasting and telecommunications	19.2	16.6	6.2	-1.4	17.9							
49	Information and data processing services	33.3	53.7	6.3	5.6	43.1							
50	Finance, insurance, real estate, rental, and leasing	10.1	13.5	-3.1	-1.5	11.8							
51	Finance and insurance	20.4	16.5	-7.0	-7.2	18.4							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 13. Chain-Type Price Indexes for Intermediate Inputs by Industry, 1998–2002

[2000 = 100]

Line		1998	1999	2000	2001	2002	Line		1998	1999	2000	2001	2002
1	All industries	95.750	96.440	100.000	100.033	99.934	51	Finance and insurance	103.504	101.612	100.000	98.133	99.279
2	Private industries	96.005	96.577	100.000	99.867	99.684	52	Federal Reserve banks, credit intermediation, and related activities	99.817	99.524	100.000	99.224	100.029
3	Agriculture, forestry, fishing, and hunting	95.657	95.026	100.000	101.387	99.633	53	Securities, commodity contracts, and investments	116.710	106.503	100.000	94.315	93.694
4	Farms	94.519	93.941	100.000	102.222	100.387	54	Insurance carriers and related activities	95.744	98.183	100.000	102.309	105.876
5	Forestry, fishing, and related activities	101.686	100.769	100.000	96.461	95.201	55	Funds, trusts, and other financial vehicles	115.993	108.087	100.000	91.980	90.837
6	Mining	76.921	81.861	100.000	99.744	89.171	56	Real estate and rental and leasing	95.164	97.099	100.000	101.954	103.209
7	Oil and gas extraction	63.959	72.107	100.000	99.506	81.427	57	Real estate	95.259	97.295	100.000	102.156	103.582
8	Mining, except oil and gas	95.695	95.995	100.000	100.983	101.129	58	Rental and leasing services and lessors of intangible assets	95.063	96.352	100.000	101.244	102.006
9	Support activities for mining	93.052	95.108	100.000	99.024	99.734	59	Professional and business services	97.136	98.074	100.000	100.982	101.670
10	Utilities	78.351	80.869	100.000	104.591	93.603	60	Professional, scientific, and technical services	97.945	98.620	100.000	100.789	101.699
11	Construction	96.302	97.899	100.000	100.554	101.121	61	Legal services	97.187	98.172	100.000	101.672	103.026
12	Manufacturing	95.564	95.619	100.000	98.453	98.015	62	Computer systems design and related services	100.095	99.231	100.000	99.565	100.660
13	Durable goods	100.816	99.343	100.000	98.457	98.218	63	Miscellaneous professional, scientific, and technical services	97.747	98.591	100.000	100.912	101.801
14	Wood products	99.972	101.317	100.000	97.259	96.749	64	Management of companies and enterprises	96.811	98.073	100.000	102.221	102.707
15	Nonmetallic mineral products	96.322	97.479	100.000	101.461	101.427	65	Administrative and waste management services	95.848	97.034	100.000	100.574	100.884
16	Primary metals	98.153	95.073	100.000	97.329	96.955	66	Administrative and support services	96.723	97.592	100.000	100.380	100.595
17	Fabricated metal products	98.505	97.173	100.000	98.803	98.966	67	Waste management and remediation services	91.037	93.777	100.000	101.877	102.869
18	Machinery	98.739	98.451	100.000	99.519	99.760	68	Educational services, health care, and social assistance	96.847	97.838	100.000	101.051	101.613
19	Computer and electronic products	108.490	103.399	100.000	96.004	94.928	69	Educational services	96.411	97.691	100.000	101.477	102.031
20	Electrical equipment, appliances, and components	98.530	97.751	100.000	98.702	98.489	70	Health care and social assistance	96.918	97.863	100.000	100.982	101.545
21	Motor vehicles, bodies and trailers, and parts	100.164	99.337	100.000	99.405	99.452	71	Ambulatory health care services	96.063	97.408	100.000	101.261	102.112
22	Other transportation equipment	99.077	98.843	100.000	99.874	100.157	72	Hospitals and nursing and residential care facilities	97.766	98.336	100.000	100.730	101.117
23	Furniture and related products	98.037	98.572	100.000	99.432	99.242	73	Social assistance	95.822	97.141	100.000	101.211	101.609
24	Miscellaneous manufacturing	97.754	97.727	100.000	99.347	98.941	74	Arts, entertainment, recreation, accommodation, and food services	95.974	97.205	100.000	102.101	102.277
25	Nondurable goods	89.427	91.236	100.000	98.446	97.791	75	Arts, entertainment, and recreation	94.803	96.905	100.000	102.294	103.619
26	Food and beverage and tobacco products	98.871	97.772	100.000	103.146	100.698	76	Performing arts, spectator sports, museums, and related activities	93.619	96.419	100.000	102.752	104.609
27	Textile mills and textile product mills	101.951	98.662	100.000	97.280	96.532	77	Amusements, gambling, and recreation industries	95.770	97.297	100.000	101.918	102.799
28	Apparel and leather and allied products	99.605	98.441	100.000	100.006	99.856	78	Accommodation and food services	96.277	97.281	100.000	102.052	101.931
29	Paper products	95.567	94.899	100.000	99.291	97.075	79	Accommodation	95.340	96.911	100.000	101.788	102.080
30	Printing and related support activities	96.542	96.380	100.000	100.223	98.857	80	Food services and drinking places	96.500	97.373	100.000	102.119	101.911
31	Petroleum and coal products	55.535	68.634	100.000	86.822	89.909	81	Other services, except government	97.554	98.237	100.000	100.917	101.299
32	Chemical products	89.970	91.660	100.000	99.437	99.712	82	Government	93.011	94.963	100.000	101.818	102.562
33	Plastics and rubber products	94.828	94.962	100.000	99.310	98.306	83	Federal	95.068	96.557	100.000	101.537	102.959
34	Wholesale trade	97.640	98.165	100.000	100.149	100.566	84	General government	95.218	96.725	100.000	101.760	103.414
35	Retail trade	95.372	97.114	100.000	100.664	101.181	85	Government enterprises	93.728	94.726	100.000	99.249	98.610
36	Transportation and warehousing	89.993	92.232	100.000	100.039	99.278	86	State and local	92.097	94.256	100.000	101.940	102.346
37	Air transportation	83.788	87.647	100.000	98.813	97.107	87	General government	92.330	94.575	100.000	101.889	102.721
38	Rail transportation	96.042	97.211	100.000	100.145	100.053	88	Government enterprises	90.993	92.755	100.000	102.176	100.631
39	Water transportation	91.488	92.692	100.000	100.833	101.341	89	Addenda:					
40	Truck transportation	92.074	93.891	100.000	100.596	100.563	89	Private goods-producing industries ¹	95.189	95.513	100.000	98.897	98.214
41	Transit and ground passenger transportation	92.790	94.438	100.000	99.992	99.618	90	Private services-producing industries ²	96.690	97.477	100.000	100.626	100.826
42	Pipeline transportation	83.430	86.825	100.000	100.262	95.123							
43	Other transportation and support activities	92.008	93.563	100.000	99.939	99.892							
44	Warehousing and storage	93.111	94.937	100.000	102.092	102.071							
45	Information	98.893	98.844	100.000	100.231	100.606							
46	Publishing industries (includes software)	98.252	98.377	100.000	100.440	100.477							
47	Motion picture and sound recording industries	92.915	96.172	100.000	102.315	104.006							
48	Broadcasting and telecommunications	100.394	99.523	100.000	99.793	100.134							
49	Information and data processing services	99.229	98.892	100.000	100.294	100.489							
50	Finance, insurance, real estate, rental, and leasing	99.689	99.626	100.000	99.815	100.994							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 13.A. Percent Changes in Chain-Type Price Indexes for Intermediate Inputs by Industry

Line		1999	2000	2001	2002	Average annual rate of change 1998–2000	Line		1999	2000	2001	2002	Average annual rate of change 1998–2000
1	All industries	0.7	3.7	0.0	-0.1	2.2	52	Federal Reserve banks, credit intermediation, and related activities	-0.3	0.5	-0.8	0.8	0.1
2	Private industries	0.6	3.5	-0.1	-0.2	2.1	53	Securities, commodity contracts, and investments	-8.7	-6.1	-5.7	-0.7	-7.4
3	Agriculture, forestry, fishing, and hunting	-0.7	5.2	1.4	-1.7	2.2	54	Insurance carriers and related activities	2.5	1.9	2.3	3.5	2.2
4	Farms	-0.6	6.4	2.2	-1.8	2.9	55	Funds, trusts, and other financial vehicles	-6.8	-7.5	-8.0	-1.2	-7.1
5	Forestry, fishing, and related activities	-0.9	-0.8	-3.5	-1.3	-0.8	56	Real estate and rental and leasing	2.0	3.0	2.0	1.2	2.5
6	Mining	6.4	22.2	-0.3	-10.6	14.0	57	Real estate	2.1	2.8	2.2	1.4	2.5
7	Oil and gas extraction	12.7	38.7	-0.5	-18.2	25.0	58	Rental and leasing services and lessors of intangible assets	1.4	3.8	1.2	0.8	2.6
8	Mining, except oil and gas	0.3	4.2	1.0	0.1	2.2	59	Professional and business services	1.0	2.0	1.0	0.7	1.5
9	Support activities for mining	2.2	5.1	-1.0	0.7	3.7	60	Professional, scientific, and technical services	0.7	1.4	0.8	0.9	1.0
10	Utilities	3.2	23.7	4.6	-10.5	13.0	61	Legal services	1.0	1.9	1.7	1.3	1.4
11	Construction	1.7	2.1	0.6	0.6	1.9	62	Computer systems design and related services	-0.9	0.8	-0.4	1.1	0.0
12	Manufacturing	0.1	4.6	-1.5	-0.4	2.3	63	Miscellaneous professional, scientific, and technical services	0.9	1.4	0.9	0.9	1.1
13	Durable goods	-1.5	0.7	-1.5	-0.2	-0.4	64	Management of companies and enterprises	1.3	2.0	2.2	0.5	1.6
14	Wood products	1.3	-1.3	-2.7	-0.5	0.0	65	Administrative and waste management services	1.2	3.1	0.6	0.3	2.1
15	Nonmetallic mineral products	1.2	2.6	1.5	0.0	1.9	66	Administrative and support services	0.9	2.5	0.4	0.2	1.7
16	Primary metals	-3.1	5.2	-2.7	-0.4	0.9	67	Waste management and remediation services	3.0	6.6	1.9	1.0	4.8
17	Fabricated metal products	-1.4	2.9	-1.2	0.2	0.8	68	Educational services, health care, and social assistance	1.0	2.2	1.1	0.6	1.6
18	Machinery	-0.3	1.6	-0.5	0.2	0.6	69	Educational services	1.3	2.4	1.5	0.5	1.8
19	Computer and electronic products	-4.7	-3.3	-4.0	-1.1	-4.0	70	Health care and social assistance	1.0	2.2	1.0	0.6	1.6
20	Electrical equipment, appliances, and components	-0.8	2.3	-1.3	-0.2	0.7	71	Ambulatory health care services	1.4	2.7	1.3	0.8	2.0
21	Motor vehicles, bodies and trailers, and parts	-0.8	0.7	-0.6	0.0	-0.1	72	Hospitals and nursing and residential care facilities	0.6	1.7	0.7	0.4	1.1
22	Other transportation equipment	-0.2	1.2	-0.1	0.3	0.5	73	Social assistance	1.4	2.9	1.2	0.4	2.2
23	Furniture and related products	0.5	1.4	-0.6	-0.2	1.0	74	Arts, entertainment, recreation, accommodation, and food services	1.3	2.9	2.1	0.2	2.1
24	Miscellaneous manufacturing	0.0	2.3	-0.7	-0.4	1.1	75	Arts, entertainment, and recreation	2.2	3.2	2.3	1.3	2.7
25	Nondurable goods	2.0	9.6	-1.6	-0.7	5.7	76	Performing arts, spectator sports, museums, and related activities	3.0	3.7	2.8	1.8	3.4
26	Food and beverage and tobacco products	-1.1	2.3	3.1	-2.4	0.6	77	Amusements, gambling, and recreation industries	1.6	2.8	1.9	0.9	2.2
27	Textile mills and textile product mills	-3.2	1.4	-2.7	-0.8	-1.0	78	Accommodation and food services	1.0	2.8	2.1	-0.1	1.9
28	Apparel and leather and allied products	-1.2	1.6	0.0	-0.1	0.2	79	Accommodation	1.6	3.2	1.8	0.3	2.4
29	Paper products	-0.7	5.4	-0.7	-2.2	2.3	80	Food services and drinking places	0.9	2.7	2.1	-0.2	1.8
30	Printing and related support activities	-0.2	3.8	0.2	-1.4	1.8	81	Other services, except government	0.7	1.8	0.9	0.4	1.2
31	Petroleum and coal products	23.6	45.7	-13.2	3.6	34.2	82	Government	2.1	5.3	1.8	0.7	3.7
32	Chemical products	1.9	9.1	-0.6	0.3	5.4	83	Federal	1.6	3.6	1.5	1.4	2.6
33	Plastics and rubber products	0.1	5.3	-0.7	-1.0	2.7	84	General government	1.6	3.4	1.8	1.6	2.5
34	Wholesale trade	0.5	1.9	0.1	0.4	1.2	85	Government enterprises	1.1	5.6	-0.8	-0.6	3.3
35	Retail trade	1.8	3.0	0.7	0.5	2.4	86	State and local	2.3	6.1	1.9	0.4	4.2
36	Transportation and warehousing	2.5	8.4	0.0	-0.8	5.4	87	General government	2.4	5.7	1.9	0.8	4.1
37	Air transportation	4.6	14.1	-1.2	-1.7	9.2	88	Government enterprises	1.9	7.8	2.2	-1.5	4.8
38	Rail transportation	1.2	2.9	0.1	-0.1	2.0	89	Addenda:					
39	Water transportation	1.3	7.9	0.8	0.5	4.5	90	Private goods-producing industries ¹	0.3	4.7	-1.1	-0.7	2.5
40	Truck transportation	2.0	6.5	0.6	0.0	4.2		Private services-producing industries ²	0.8	2.6	0.6	0.2	1.7
41	Transit and ground passenger transportation	1.8	5.9	0.0	-0.4	3.8							
42	Pipeline transportation	4.1	15.2	0.3	-5.1	9.5							
43	Other transportation and support activities	1.7	6.9	-0.1	0.0	4.3							
44	Warehousing and storage	2.0	5.3	2.1	0.0	3.6							
45	Information	0.0	1.2	0.2	0.4	0.6							
46	Publishing industries (includes software)	0.1	1.6	0.4	0.0	0.9							
47	Motion picture and sound recording industries	3.5	4.0	2.3	1.7	3.7							
48	Broadcasting and telecommunications	-0.9	0.5	-0.2	0.3	-0.2							
49	Information and data processing services	-0.3	1.1	0.3	0.2	0.4							
50	Finance, insurance, real estate, rental, and leasing	-0.1	0.4	-0.2	1.2	0.2							
51	Finance and insurance	-1.8	-1.6	-1.9	1.2	-1.7							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 14. Current-Dollar Cost Per Unit of Real Value Added by Private Industry Group, 1998–2002

[Dollars]

Line		1998	1999	2000	2001	2002	Line		1998	1999	2000	2001	2002
1	Private industries	0.969	0.981	1.000	1.020	1.033	59	Taxes on production and imports less subsidies.....	0.125	0.126	0.130	0.136	0.145
2	Compensation of employees.....	0.520	0.532	0.554	0.563	0.553	60	Gross operating surplus.....	0.756	0.779	0.805	0.833	0.857
3	Taxes on production and imports less subsidies.....	0.078	0.077	0.078	0.079	0.083	61	Professional and business services	0.930	0.963	1.000	1.036	1.039
4	Gross operating surplus.....	0.371	0.372	0.367	0.378	0.397	62	Compensation of employees.....	0.667	0.698	0.742	0.747	0.722
5	Agriculture, forestry, fishing, and hunting	1.211	1.073	1.000	1.052	0.986	63	Taxes on production and imports less subsidies.....	0.018	0.018	0.019	0.020	0.020
6	Compensation of employees.....	0.369	0.377	0.353	0.367	0.362	64	Gross operating surplus.....	0.245	0.247	0.239	0.269	0.297
7	Taxes on production and imports less subsidies.....	-0.065	-0.148	-0.144	-0.129	-0.036	65	Professional, scientific, and technical services	0.965	0.984	1.000	1.042	1.055
8	Gross operating surplus.....	0.906	0.844	0.790	0.814	0.660	66	Compensation of employees.....	0.646	0.676	0.721	0.733	0.713
9	Mining	0.606	0.675	1.000	1.033	0.921	67	Taxes on production and imports less subsidies.....	0.016	0.016	0.016	0.017	0.018
10	Compensation of employees.....	0.280	0.264	0.297	0.338	0.327	68	Gross operating surplus.....	0.303	0.291	0.263	0.292	0.324
11	Taxes on production and imports less subsidies.....	0.089	0.085	0.108	0.123	0.111	69	Management of companies and enterprises	0.852	0.918	1.000	0.982	0.979
12	Gross operating surplus.....	0.237	0.326	0.595	0.572	0.483	70	Compensation of employees.....	0.693	0.733	0.804	0.735	0.673
13	Utilities	1.056	1.035	1.000	1.126	1.106	71	Taxes on production and imports less subsidies.....	0.017	0.017	0.019	0.017	0.015
14	Compensation of employees.....	0.240	0.238	0.245	0.279	0.270	72	Gross operating surplus.....	0.143	0.168	0.177	0.230	0.291
15	Taxes on production and imports less subsidies.....	0.169	0.167	0.163	0.148	0.186	73	Administrative and waste management services	0.904	0.944	1.000	1.057	1.040
16	Gross operating surplus.....	0.647	0.630	0.592	0.699	0.649	74	Compensation of employees.....	0.690	0.718	0.750	0.791	0.777
17	Construction	0.885	0.938	1.000	1.077	1.125	75	Taxes on production and imports less subsidies.....	0.023	0.023	0.026	0.028	0.028
18	Compensation of employees.....	0.601	0.653	0.709	0.769	0.800	76	Gross operating surplus.....	0.191	0.203	0.224	0.238	0.236
19	Taxes on production and imports less subsidies.....	0.010	0.011	0.012	0.013	0.014	77	Educational services, health care, and social assistance	0.927	0.961	1.000	1.057	1.101
20	Gross operating surplus.....	0.273	0.275	0.279	0.296	0.311	78	Compensation of employees.....	0.751	0.777	0.812	0.858	0.886
21	Manufacturing	1.045	1.023	1.000	0.998	0.979	79	Taxes on production and imports less subsidies.....	0.012	0.012	0.012	0.013	0.013
22	Compensation of employees.....	0.642	0.636	0.644	0.650	0.612	80	Gross operating surplus.....	0.165	0.172	0.176	0.186	0.201
23	Taxes on production and imports less subsidies.....	0.029	0.028	0.028	0.031	0.032	81	Educational services	0.894	0.943	1.000	1.070	1.136
24	Gross operating surplus.....	0.374	0.358	0.327	0.317	0.335	82	Compensation of employees.....	0.810	0.854	0.908	0.975	1.040
25	Durable goods.....	1.105	1.058	1.000	0.960	0.939	83	Taxes on production and imports less subsidies.....	0.012	0.013	0.014	0.014	0.015
26	Compensation of employees.....	0.748	0.735	0.718	0.712	0.664	84	Gross operating surplus.....	0.072	0.076	0.078	0.080	0.080
27	Taxes on production and imports less subsidies.....	0.017	0.017	0.016	0.017	0.018	85	Health care and social assistance	0.932	0.963	1.000	1.055	1.096
28	Gross operating surplus.....	0.340	0.306	0.266	0.231	0.258	86	Compensation of employees.....	0.743	0.767	0.799	0.842	0.867
29	Nondurable goods.....	0.960	0.973	1.000	1.056	1.040	87	Taxes on production and imports less subsidies.....	0.012	0.012	0.012	0.013	0.013
30	Compensation of employees.....	0.499	0.500	0.531	0.554	0.533	88	Gross operating surplus.....	0.177	0.185	0.189	0.200	0.216
31	Taxes on production and imports less subsidies.....	0.044	0.044	0.048	0.052	0.053	89	Arts, entertainment, recreation, accommodation, and food services	0.935	0.967	1.000	1.018	1.033
32	Gross operating surplus.....	0.417	0.429	0.421	0.450	0.453	90	Compensation of employees.....	0.575	0.593	0.623	0.644	0.655
33	Wholesale trade	0.962	0.972	1.000	0.962	0.972	91	Taxes on production and imports less subsidies.....	0.109	0.114	0.117	0.119	0.119
34	Compensation of employees.....	0.515	0.528	0.555	0.533	0.520	92	Gross operating surplus.....	0.251	0.259	0.260	0.255	0.259
35	Taxes on production and imports less subsidies.....	0.225	0.221	0.229	0.217	0.216	93	Arts, entertainment, and recreation	0.907	0.954	1.000	1.045	1.081
36	Gross operating surplus.....	0.222	0.223	0.216	0.212	0.236	94	Compensation of employees.....	0.525	0.550	0.604	0.628	0.647
37	Retail trade	1.000	1.003	1.000	0.971	1.002	95	Taxes on production and imports less subsidies.....	0.091	0.099	0.102	0.104	0.107
38	Compensation of employees.....	0.572	0.581	0.599	0.580	0.549	96	Gross operating surplus.....	0.291	0.304	0.294	0.313	0.327
39	Taxes on production and imports less subsidies.....	0.208	0.210	0.212	0.202	0.190	97	Accommodation and food services	0.945	0.971	1.000	1.008	1.017
40	Gross operating surplus.....	0.221	0.212	0.189	0.189	0.263	98	Compensation of employees.....	0.593	0.608	0.630	0.650	0.658
41	Transportation and warehousing	0.992	1.000	1.000	1.013	1.018	99	Taxes on production and imports less subsidies.....	0.115	0.119	0.122	0.124	0.123
42	Compensation of employees.....	0.634	0.647	0.661	0.699	0.697	100	Gross operating surplus.....	0.237	0.243	0.248	0.235	0.236
43	Taxes on production and imports less subsidies.....	0.051	0.052	0.053	0.034	0.059	101	Other services, except government	0.905	0.948	1.000	1.070	1.128
44	Gross operating surplus.....	0.307	0.300	0.286	0.280	0.262	102	Compensation of employees.....	0.606	0.647	0.686	0.702	0.786
45	Information	1.012	1.004	1.000	1.001	0.989	103	Taxes on production and imports less subsidies.....	0.060	0.065	0.068	0.068	0.074
46	Compensation of employees.....	0.492	0.497	0.541	0.515	0.463	104	Gross operating surplus.....	0.238	0.237	0.246	0.299	0.268
47	Taxes on production and imports less subsidies.....	0.084	0.078	0.079	0.077	0.076	105	Addenda:					
48	Gross operating surplus.....	0.436	0.429	0.380	0.408	0.450	106	Private goods-producing industries ¹	0.991	0.986	1.000	1.019	1.006
49	Finance, insurance, real estate, rental, and leasing	0.967	0.980	1.000	1.026	1.058	107	Compensation of employees.....	0.599	0.606	0.624	0.643	0.623
50	Compensation of employees.....	0.236	0.241	0.252	0.262	0.258	108	Taxes on production and imports less subsidies.....	0.025	0.020	0.021	0.024	0.029
51	Taxes on production and imports less subsidies.....	0.096	0.096	0.096	0.099	0.106	109	Gross operating surplus.....	0.368	0.360	0.355	0.352	0.355
52	Gross operating surplus.....	0.636	0.644	0.652	0.664	0.694	110	Private services-producing industries ²	0.962	0.979	1.000	1.021	1.041
53	Finance and insurance	1.010	1.003	1.000	1.011	1.039	111	Compensation of employees.....	0.495	0.509	0.532	0.540	0.533
54	Compensation of employees.....	0.543	0.547	0.553	0.573	0.562	112	Taxes on production and imports less subsidies.....	0.095	0.095	0.096	0.095	0.099
55	Taxes on production and imports less subsidies.....	0.044	0.043	0.041	0.041	0.043		Gross operating surplus.....	0.372	0.375	0.371	0.386	0.410
56	Gross operating surplus.....	0.424	0.413	0.407	0.396	0.433							
57	Real estate and rental and leasing	0.941	0.967	1.000	1.036	1.070							
58	Compensation of employees.....	0.060	0.061	0.065	0.067	0.068							

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance,

real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 15. Components of Domestic Supply by Commodity Group in Current Dollars, 1998–2002

[Billions of Dollars]

	1998	1999	2000	2001	2002		1998	1999	2000	2001	2002
All commodities ¹	15,994.3	17,101.6	18,509.5	18,772.1	19,168.8	Information	614.3	700.0	784.1	827.8	834.6
Total commodity output	15,905.1	16,908.0	18,186.5	18,369.5	18,747.9	Total commodity output	634.7	722.7	806.6	849.6	854.9
Imports of goods and services	1,046.6	1,173.0	1,377.1	1,304.4	1,338.1	Imports of goods and services	3.1	3.3	3.5	3.5	3.7
Exports of goods and services	-886.7	-912.5	-997.7	-937.9	-911.9	Exports of goods and services	-22.8	-24.0	-24.8	-25.3	-24.3
Change in private inventories	-70.8	-66.9	-56.5	36.1	-5.4	Change in private inventories	-0.6	-1.9	-1.3	0.0	0.2
Agriculture, forestry, fishing, and hunting	257.1	256.4	260.6	264.7	258.0	Finance, insurance, real estate, rental, and leasing	2,527.9	2,732.6	3,002.1	3,068.1	3,163.1
Total commodity output	258.8	251.6	255.7	261.9	252.3	Total commodity output	2,579.0	2,787.8	3,061.8	3,120.0	3,215.8
Imports of goods and services	23.7	23.8	24.8	24.3	24.9	Imports of goods and services	9.9	11.9	14.3	21.2	26.5
Exports of goods and services	-24.4	-19.7	-20.9	-21.4	-21.5	Exports of goods and services	-61.0	-67.1	-74.1	-73.1	-79.2
Change in private inventories	-1.0	0.7	1.0	-0.2	2.3	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Mining	177.2	201.6	305.3	303.6	268.2	Professional and business services	1,633.1	1,792.3	1,984.5	2,036.2	2,062.6
Total commodity output	137.0	144.6	203.3	213.1	180.5	Total commodity output	1,670.4	1,836.8	2,028.5	2,084.8	2,113.0
Imports of goods and services	47.6	62.2	107.9	96.4	93.0	Imports of goods and services	7.2	8.3	8.3	9.3	10.1
Exports of goods and services	-6.6	-4.1	-4.4	-3.8	-4.0	Exports of goods and services	-44.5	-52.8	-52.4	-57.9	-60.5
Change in private inventories	-0.8	-1.1	-1.5	-2.0	-1.3	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Utilities	336.7	336.2	373.3	395.3	387.9	Educational services, health care, and social assistance	1,106.6	1,164.1	1,245.1	1,348.7	1,457.7
Total commodity output	336.2	335.5	371.3	394.0	387.4	Total commodity output	1,106.4	1,164.2	1,245.1	1,348.6	1,457.3
Imports of goods and services	1.1	1.4	2.8	2.9	1.2	Imports of goods and services	0.6	0.4	0.5	0.5	1.0
Exports of goods and services	-0.7	-0.7	-0.8	-1.6	-0.8	Exports of goods and services	-0.4	-0.4	-0.5	-0.5	-0.6
Change in private inventories	0.0	0.0	0.0	0.0	0.0	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Construction	824.3	890.4	957.3	989.4	995.4	Arts, entertainment, recreation, accommodation, and food services	608.3	642.3	693.3	712.1	748.1
Total commodity output	824.4	890.5	957.4	989.5	995.5	Total commodity output	608.6	642.6	693.8	712.5	748.6
Imports of goods and services	0.0	0.0	0.0	0.0	0.0	Imports of goods and services	0.2	0.2	0.1	0.2	0.1
Exports of goods and services	-0.1	-0.1	-0.1	-0.1	-0.1	Exports of goods and services	-0.5	-0.5	-0.6	-0.6	-0.6
Change in private inventories	0.0	0.0	0.0	0.0	0.0	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Manufacturing	4,041.6	4,260.9	4,512.4	4,350.4	4,310.3	Other services, except government	486.6	516.1	553.4	574.0	579.2
Total commodity output	3,777.8	3,919.2	4,098.4	3,839.0	3,797.4	Total commodity output	485.7	514.8	551.8	572.2	577.5
Imports of goods and services	825.9	915.5	1,050.9	988.6	1,016.3	Imports of goods and services	1.2	1.5	1.8	1.9	1.9
Exports of goods and services	-529.7	-519.9	-574.1	-528.2	-496.4	Exports of goods and services	-0.1	-0.1	-0.1	-0.1	-0.1
Change in private inventories	-32.4	-53.9	-62.8	51.0	-7.0	Change in private inventories	-0.1	-0.1	0.0	0.0	0.0
Wholesale trade	660.5	715.8	760.4	755.5	774.2	Government	1,367.1	1,448.6	1,536.5	1,618.7	1,718.1
Total commodity output	743.6	802.0	856.1	835.6	859.4	Total commodity output	1,367.4	1,448.9	1,536.8	1,618.9	1,718.4
Imports of goods and services	-19.6	-19.2	-21.1	-20.6	-19.9	Imports of goods and services	0.0	0.0	0.0	0.0	0.0
Exports of goods and services	-59.9	-60.7	-68.0	-63.8	-65.0	Exports of goods and services	-0.3	-0.3	-0.3	-0.3	-0.2
Change in private inventories	-3.6	-6.3	-6.6	4.4	-0.3	Change in private inventories	0.0	0.0	0.0	0.0	0.0
Retail trade	795.4	867.1	923.7	918.6	1,001.2	Addenda:					
Total commodity output	795.4	867.1	923.7	918.6	1,001.2	Goods ²	5,300.2	5,609.3	6,035.7	5,908.1	5,831.9
Imports of goods and services	0.0	0.0	0.0	0.0	0.0	Total commodity output	4,998.0	5,205.9	5,514.9	5,303.5	5,225.7
Exports of goods and services	0.0	0.0	0.0	0.0	0.0	Imports of goods and services	897.2	1,001.6	1,183.5	1,109.3	1,134.2
Change in private inventories	0.0	0.0	0.0	0.0	0.0	Exports of goods and services	-560.8	-543.8	-599.5	-553.4	-521.9
Transportation and warehousing	514.3	524.7	556.9	539.2	536.8	Change in private inventories	-34.2	-54.3	-63.2	48.8	-6.1
Total commodity output	543.9	572.9	608.5	583.4	585.0	Services ³	9,283.7	9,991.3	10,876.6	11,175.5	11,545.4
Imports of goods and services	11.0	14.5	16.7	15.0	12.1	Total commodity output	9,503.9	10,246.3	11,147.1	11,419.3	11,800.2
Exports of goods and services	-38.0	-60.8	-66.2	-60.0	-60.0	Imports of goods and services	14.7	22.3	27.0	33.9	36.7
Change in private inventories	-2.5	-1.8	-2.1	0.8	-0.4	Exports of goods and services	-228.0	-267.2	-287.6	-283.0	-291.1
						Change in private inventories	-6.9	-10.1	-10.0	5.2	-0.5

1. Includes noncomparable imports, scrap, used goods, inventory valuation adjustment, and rest-of-the-world adjustments.

2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance,

insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."

Table 16. Use of Domestic Supply by Commodity Group in Current Dollars, 1998–2002

[Billions of Dollars]

	1998	1999	2000	2001	2002		1998	1999	2000	2001	2002
All commodities¹	15,994.3	17,101.6	18,509.5	18,772.1	19,168.8	Information	614.3	700.0	784.1	827.8	834.6
Personal consumption expenditures	5,879.5	6,282.5	6,739.4	7,045.4	7,385.3	Personal consumption expenditures	221.5	241.4	258.8	269.7	276.9
Private fixed investment	1,438.4	1,558.8	1,679.0	1,643.4	1,583.9	Private fixed investment	46.2	52.1	59.1	57.4	54.4
Government consumption expenditures and gross investment	1,518.3	1,620.8	1,721.6	1,814.7	1,932.5	Government consumption expenditures and gross investment	5.0	5.5	5.8	7.2	5.9
Total intermediate use	7,158.1	7,639.6	8,369.6	8,268.7	8,267.1	Total intermediate use	341.7	401.0	460.4	493.5	497.4
Agriculture, forestry, fishing, and hunting	257.1	256.4	260.6	264.7	258.0	Finance, insurance, real estate, rental, and leasing	2,527.9	2,732.6	3,002.1	3,068.1	3,163.1
Personal consumption expenditures	37.2	37.9	39.8	40.7	41.6	Personal consumption expenditures	1,369.4	1,471.8	1,579.8	1,651.8	1,754.5
Private fixed investment	0.0	0.0	0.0	0.0	0.0	Private fixed investment	51.1	56.1	58.5	62.7	70.7
Government consumption expenditures and gross investment	-1.5	-0.2	-1.7	-0.6	-0.1	Government consumption expenditures and gross investment	0.0	0.0	0.0	0.0	0.0
Total intermediate use	221.4	218.7	222.5	224.5	216.5	Total intermediate use	1,107.4	1,204.7	1,363.8	1,353.6	1,337.9
Mining	177.2	201.6	305.3	303.6	268.2	Professional and business services	1,633.1	1,792.3	1,984.5	2,036.2	2,062.6
Personal consumption expenditures	0.1	0.1	0.1	0.1	0.1	Personal consumption expenditures	126.9	136.8	144.0	151.9	158.3
Private fixed investment	23.6	20.8	27.4	39.4	26.0	Private fixed investment	116.5	140.5	168.2	158.7	152.7
Government consumption expenditures and gross investment	0.0	0.0	0.0	0.0	0.0	Government consumption expenditures and gross investment	19.4	21.6	22.8	26.8	22.9
Total intermediate use	153.6	180.8	277.9	264.1	242.1	Total intermediate use	1,370.3	1,493.4	1,649.4	1,698.9	1,728.7
Utilities	336.7	336.2	373.3	395.3	387.9	Educational services, health care, and social assistance	1,106.6	1,164.1	1,245.1	1,348.7	1,457.7
Personal consumption expenditures	152.0	154.1	167.4	180.7	177.4	Personal consumption expenditures	1,063.4	1,116.5	1,196.5	1,297.6	1,402.3
Private fixed investment	0.0	0.0	0.0	0.0	0.0	Private fixed investment	0.0	0.0	0.0	0.0	0.0
Government consumption expenditures and gross investment	0.0	0.0	0.0	0.0	0.0	Government consumption expenditures and gross investment	0.0	0.0	0.0	0.0	0.0
Total intermediate use	184.7	182.1	205.9	214.6	210.5	Total intermediate use	43.2	47.6	48.6	51.1	55.4
Construction	824.3	890.4	957.3	989.4	995.4	Arts, entertainment, recreation, accommodation, and food services	608.3	642.3	693.3	712.1	748.1
Personal consumption expenditures	0.0	0.0	0.0	0.0	0.0	Personal consumption expenditures	469.8	496.1	533.5	550.4	577.2
Private fixed investment	568.5	612.7	658.0	671.9	660.9	Private fixed investment	0.0	0.0	0.0	0.0	0.0
Government consumption expenditures and gross investment	156.8	172.0	185.0	195.4	207.7	Government consumption expenditures and gross investment	0.0	0.0	0.0	0.0	0.0
Total intermediate use	99.0	105.7	114.4	122.0	126.7	Total intermediate use	138.5	146.2	159.8	161.7	171.0
Manufacturing	4,041.6	4,260.9	4,512.4	4,350.4	4,310.3	Other services, except government	486.6	516.1	553.4	574.0	579.2
Personal consumption expenditures	1,028.9	1,118.7	1,207.3	1,251.5	1,248.2	Personal consumption expenditures	319.4	333.0	357.8	370.9	385.5
Private fixed investment	590.0	630.9	659.6	609.1	576.1	Private fixed investment	0.0	0.0	0.0	0.0	0.0
Government consumption expenditures and gross investment	70.0	76.1	81.3	81.2	89.5	Government consumption expenditures and gross investment	0.0	0.0	0.0	0.0	0.0
Total intermediate use	2,352.6	2,435.1	2,564.2	2,408.6	2,396.5	Total intermediate use	167.2	183.1	195.6	203.0	193.7
Wholesale trade	660.5	715.8	760.4	755.5	774.2	Government	1,367.1	1,448.6	1,536.5	1,618.7	1,718.1
Personal consumption expenditures	223.9	240.7	262.6	275.7	281.2	Personal consumption expenditures	42.3	43.6	44.7	46.6	48.7
Private fixed investment	72.2	78.7	81.2	75.0	73.0	Private fixed investment	0.0	0.0	0.0	0.0	0.0
Government consumption expenditures and gross investment	7.5	7.6	7.5	7.4	8.1	Government consumption expenditures and gross investment	1,260.0	1,336.9	1,421.6	1,500.6	1,598.0
Total intermediate use	357.0	388.8	409.1	397.4	412.0	Total intermediate use	64.9	68.1	70.2	71.4	71.5
Retail trade	795.4	867.1	923.7	918.6	1,001.2	Addenda:					
Personal consumption expenditures	670.7	726.8	771.1	780.0	866.5	Goods²	5,300.2	5,609.3	6,035.7	5,908.1	5,831.9
Private fixed investment	36.4	40.5	39.5	35.1	41.4	Personal consumption expenditures	1,066.1	1,156.7	1,247.1	1,292.3	1,289.9
Government consumption expenditures and gross investment	0.0	0.0	0.0	0.0	0.0	Private fixed investment	1,182.1	1,264.4	1,344.9	1,320.5	1,263.1
Total intermediate use	88.2	99.8	113.1	103.5	93.3	Government consumption expenditures and gross investment	225.3	247.9	264.6	276.1	297.1
Transportation and warehousing	514.3	524.7	556.9	539.2	536.8	Total intermediate use	2,826.6	2,940.3	3,179.0	3,019.3	2,981.8
Personal consumption expenditures	131.2	136.3	147.3	138.2	129.8	Services³	9,283.7	9,991.3	10,876.6	11,175.5	11,545.4
Private fixed investment	11.2	10.3	10.9	10.7	10.7	Personal consumption expenditures	4,748.0	5,053.6	5,418.7	5,666.8	6,009.6
Government consumption expenditures and gross investment	1.0	0.9	0.8	1.0	0.9	Private fixed investment	333.6	378.2	417.4	399.6	402.8
Total intermediate use	371.0	377.2	397.9	389.4	395.4	Government consumption expenditures and gross investment	32.8	35.6	36.9	42.4	37.8
						Total intermediate use	4,169.3	4,524.0	5,003.6	5,066.7	5,095.2

1. Includes noncomparable imports, scrap, used goods, inventory valuation adjustment, and rest-of-the-world adjustments.

2. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

3. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance,

insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and "other services, except government."