DECEMBER 1997 ~ VOLUME 77 NUMBER 12

SURVEY of CURRENT BUSINESS

IN THIS ISSUE . . .

Preview of Revised NIPA Estimates for 1992

Benchmark Input-Output Accounts for the U.S. Economy, 1992 (continued)

U.S. DEPARTMENT OF COMMERCE ~ ECONOMICS AND STATISTICS ADMINISTRATION
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U.S. International Trade in Goods and Services (November 20),
Gross Domestic Product (November 26), and
Personal Income and Outlays (November 28).

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22 Benchmark Input-Output Accounts for the U.S. Economy, 1992: Requirements Tables

The 1992 benchmark input-output (I-O) accounts present a detailed picture of how industries provide input to and take output from each other. The requirements tables in these accounts can be used to quantify the inputs that are needed by an industry to produce a dollar of output, and they can be used to trace the effects of a dollar change in the final use of a specified commodity. For example, the requirements tables can be used to analyze the relative effects of a change in the composition of personal consumption expenditures that results from a change in consumer tastes.

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Real GDP increased 3.3 percent in the third quarter of 1997, the same pace as in the second quarter; consumer spending and business fixed investment contributed the most to the third-quarter increase in GDP. The price index for gross domestic purchases increased 1.3 percent after increasing 0.8 percent. Corporate profits increased $21.1 billion in the third quarter after increasing $15.5 billion in the second. In the third quarter, the Federal Government current deficit decreased $24.3 billion, to $12.5 billion, the smallest deficit since the second quarter of 1979; the State and local government current surplus increased $6.4 billion, to $111.3 billion.

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BUSINESS SITUATION

This article was prepared by Larry R. Moran, Daniel Larkins, Ralph W. Morris, Deborah Y. Sieff, and Jennifer A. Bennett.

REAL GROSS domestic product (GDP) increased 3.3 percent in the third quarter of 1997, according to the "preliminary" estimates of the national income and product accounts (NIPA's) (table 1 and chart 1); the "advance" estimate of real GDP, reported in the November "Business Situation," had shown a 3.5-percent increase.[1] The small downward revision was accounted for by downward revisions to exports of goods, to nonresidential structures, and to nonfarm business inventory investment. (The sources of these revisions are discussed in the "Revisions" section.)

The picture of the economy presented by the preliminary estimates is little changed from that presented by the advance estimates. Real GDP grew at the same pace in both the second and third quarters. Consumer spending and business fixed investment were the major contributors to the third-quarter increase in GDP.[2] Government spending and residential investment increased modestly, and the change in business inventories

1. Quarterly estimates in the NIPA's are expressed at seasonally adjusted annual rates unless otherwise specified. Quarter-to-quarter dollar changes are differences between published estimates. Quarter-to-quarter percent changes are annualized and are calculated from unrounded index numbers. Real estimates are expressed in chained (1992) dollars. Price indexes are chain-type measures.

2. NIPA table 8.2 (on page D–25 in this issue) shows the contributions of the major components to the quarter-to-quarter percent change in real GDP.

Table 1.—Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers

[Seasonally adjusted at annual rates]

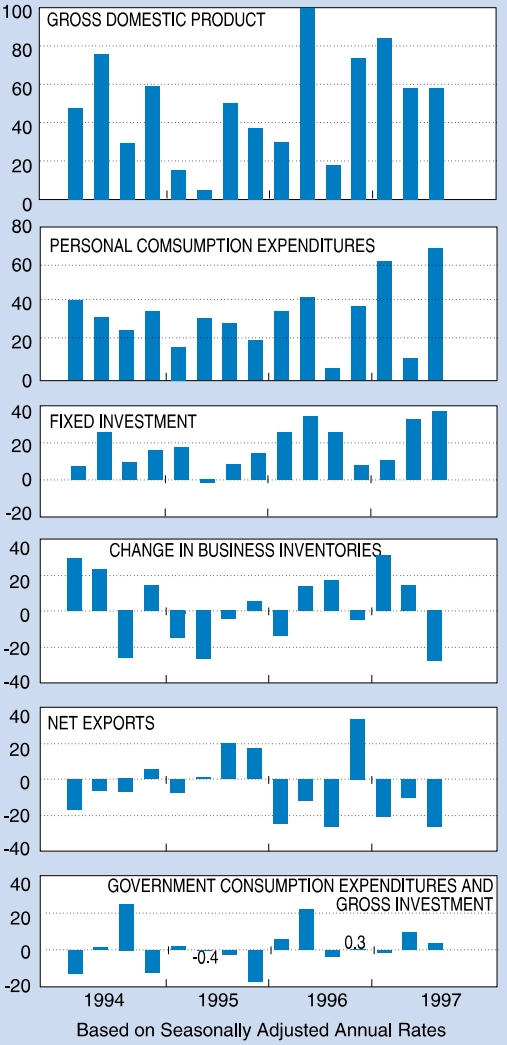
	Billions of chained (1992) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1996	1997		
	1997	1996	1997						
	III	IV	I	II	III	IV	I	II	III
Gross domestic product	**7,217.6**	**73.6**	**84.2**	**58.0**	**58.0**	**4.3**	**4.9**	**3.3**	**3.3**
Less: Exports of goods and services	972.7	49.7	21.6	39.8	10.2	25.5	9.9	18.4	4.3
Plus: Imports of goods and services	1,135.7	16.4	42.3	50.2	36.6	6.8	17.9	20.5	14.0
***Equals*: Gross domestic purchases**	**7,367.2**	**43.1**	**102.5**	**66.0**	**80.3**	**2.5**	**5.9**	**3.7**	**4.5**
Less: Change in business inventories	49.5	–5.0	30.8	13.9	–28.1	.....	.....	.....	
***Equals*: Final sales to domestic purchasers**	**7,311.7**	**46.3**	**70.4**	**51.6**	**107.0**	**2.7**	**4.0**	**2.9**	**6.1**
Personal consumption expenditures	4,897.9	38.2	61.7	11.3	68.5	3.3	5.3	.9	5.8
Nonresidential fixed investment	872.5	11.5	8.1	28.1	35.5	5.9	4.1	14.6	18.1
Residential investment	280.8	–3.0	2.2	4.9	2.6	–4.3	3.3	7.4	3.7
Government consumption expenditures and gross investment	1,273.6	.3	–1.3	9.6	3.5	.1	–.4	3.1	1.1
Federal	458.9	–6.1	–6.8	7.3	–1.2	–5.2	–5.8	6.6	–1.0
State and local	814.7	6.4	5.4	2.4	4.6	3.3	2.7	1.2	2.3
Addendum: Final sales of domestic product	**7,162.1**	**76.7**	**52.4**	**43.6**	**84.4**	**4.5**	**3.0**	**2.5**	**4.9**

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 usually are not additive. Chained (1992) dollar levels and residuals, which measure the extent of nonadditivity in each table, are found in NIPA tables 1.2, 1.4, and 1.6. Percent changes are calculated from unrounded data. Percent changes in major aggregates are found in NIPA table 8.1.

CHART 1

Real Product: Change from Preceding Quarter

Billion chained (1992) $



Based on Seasonally Adjusted Annual Rates

U.S. Department of Commerce, Bureau of Economic Analysis

and net exports of goods and services decreased substantially.

Real final sales of domestic product—GDP less the change in business inventories—increased 4.9 percent in the third quarter after increasing 2.5 percent in the second.

Real gross domestic purchases—GDP less exports of goods and services plus imports of goods and services—increased 4.5 percent in the third quarter after increasing 3.7 percent in the second.[3] Consumer spending more than accounted for the step-up.

The price index for gross domestic purchases increased 1.3 percent in the third quarter after increasing 0.8 percent in the second. The acceleration was mainly accounted for by a step-up in food prices and an upturn in energy prices; the price index for gross domestic purchases less food and energy decelerated to a 1.1-percent increase from a 1.6-percent increase. The price index for GDP increased 1.5 percent after increasing 1.8 percent. The primary reason that gross domestic purchases prices accelerated while GDP prices decelerated is that prices of imports, which are included in gross domestic purchases but not in GDP, decreased less in the third quarter than in the second.

Personal consumption expenditures

Real personal consumption expenditures (PCE) increased 5.8 percent in the third quarter after increasing 0.9 percent in the second (table 2). The step-up was primarily accounted for by upturns in expenditures for both durable goods and nondurable goods; expenditures for services increased slightly more than in the second quarter.

Two of the factors usually considered in analyses of PCE showed strength in the third quarter (chart 2). The Index of Consumer Sentiment (prepared by the University of Michigan's Survey Research Center) jumped to a record level, and the unemployment rate remained at 4.9 percent, the lowest level in 24 years. In contrast, real disposable personal income decelerated somewhat to a 2.7-percent increase in the third quarter from a 3.1-percent increase in the second.

Expenditures for durable goods jumped 18.2 percent after decreasing 5.4 percent. All major components contributed to the upturn, but motor vehicles and parts accounted for more than two-thirds of it. The sharp upturn in expenditures for motor vehicles and parts was accounted for by new cars and trucks. Expenditures for furniture and household equipment increased more than in the second quarter; the step-up primarily reflected an upturn in "other durable house furnishings" (which includes clocks, lamps, and floor coverings) and an acceleration in consumer electronics. "Other" durable goods (which includes jewelry, books, sporting goods, pleasure boats, and pleasure aircraft) turned up.

Expenditures for nondurable goods increased 4.4 percent after decreasing 2.1 percent. Upturns

3. Gross domestic purchases is a measure of purchases by U.S. residents regardless of where the purchased goods and services are produced.

Table 2.—Real Personal Consumption Expenditures

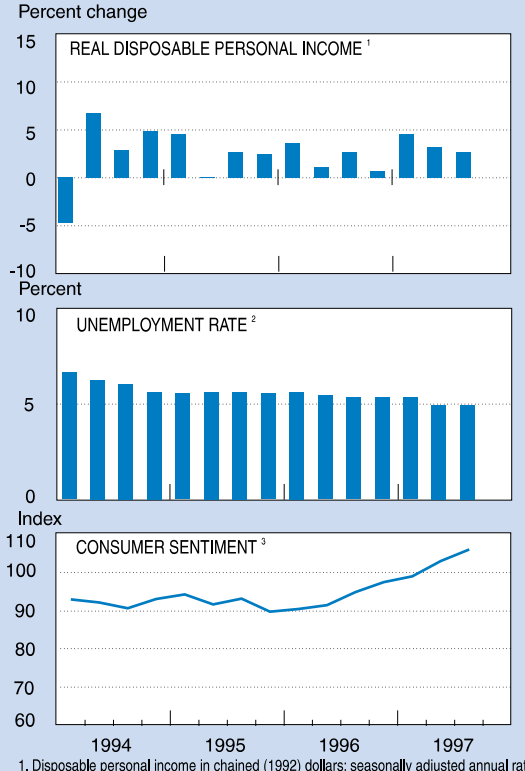
[Seasonally adjusted at annual rates]

	Billions of chained (1992) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1996	1997		
	1997	1996	1997						
	III	IV	I	II	III	IV	I	II	III
Personal consumption expenditures	**4,897.9**	**38.2**	**61.7**	**11.3**	**68.5**	**3.3**	**5.3**	**0.9**	**5.8**
Durable goods	655.9	5.2	20.7	–8.8	26.9	3.5	14.1	–5.4	18.2
Motor vehicles and parts	238.0	–1.7	5.4	–10.3	14.9	–3.1	9.9	–16.6	29.6
Of which: New autos	82.3	.3	2.6	–5.9	8.6	1.7	13.8	–26.6	55.7
New trucks	57.7	1.2	–.8	–2.7	5.8	9.1	–5.6	–18.1	52.9
Furniture and household equipment	301.5	4.5	10.6	4.9	9.2	6.8	16.1	7.0	13.3
Other	121.8	3.1	5.1	–1.7	2.1	11.3	18.6	–5.3	7.3
Nondurable goods	1,465.9	7.3	16.6	–7.8	15.9	2.1	4.7	–2.1	4.4
Food	689.6	1.7	5.6	–6.4	1.4	1.0	3.3	–3.6	.8
Clothing and shoes	281.5	–.8	7.1	–3.3	7.7	–1.2	10.9	–4.7	11.7
Gasoline and oil	116.6	.7	–.1	1.4	.5	2.6	–.5	5.3	1.6
Fuel oil and coal	10.4	–.3	–.9	.7	.3	–8.4	–31.3	32.5	13.2
Other	369.9	5.8	5.4	–.3	6.5	6.7	6.2	–.3	7.4
Services	2,777.5	25.4	25.7	25.9	27.7	3.9	3.9	3.9	4.1
Housing	715.6	3.1	3.5	3.7	3.6	1.8	2.0	2.1	2.0
Household operation	296.0	5.9	–3.7	6.2	1.8	8.5	–5.0	8.9	2.6
Electricity and gas	116.0	2.9	–3.9	4.0	–1.8	10.5	–12.6	14.7	–5.9
Other household operation	179.7	3.0	.1	2.2	3.5	7.2	.3	5.3	8.2
Transportation	203.8	1.6	2.3	1.6	2.9	3.3	4.8	3.3	5.9
Medical care	716.4	7.3	7.3	4.4	7.6	4.3	4.2	2.5	4.4
Other	846.1	7.6	15.9	10.2	11.6	3.8	8.1	5.1	5.7

NOTE.—See note to table 1 for an explanation of chained (1992) dollar series. Chained (1992) dollar levels and residuals are found in NIPA tables 2.3, 8.5 (autos), and 8.7 (trucks). Percent changes in major aggregates are found in NIPA table 8.1.

CHART 2

Selected Factors Affecting Consumer Spending



1. Disposable personal income in chained (1992) dollars: seasonally adjusted annual rates.
2. All civilian workers , seasonally adjusted.
Data: U.S. Department of Labor, Bureau of Labor Statistics
3. Data: University of Michigan's Survey Research Center.

U.S. Department of Commerce, Bureau of Economic Analysis

in clothing and shoes, in food, and in "other" nondurable goods (which includes tobacco, prescription drugs, cosmetics, cleaning products, and newspapers and magazines) more than offset slowdowns in gasoline and oil and in fuel oil and coal.

Expenditures for services increased 4.1 percent after increasing 3.9 percent. Accelerations in medical care, in transportation, and in "other" services more than offset a slowdown in household operation; housing services increased about the same in each quarter. The acceleration in "other" services was more than accounted for by an upturn in brokerage and investment counseling. The slowdown in household operation was more than accounted for by electricity and gas—a downturn in gas primarily reflected a decrease in the demand for heating from a high level in the second quarter that was due to cooler-than-normal spring temperatures.

Nonresidential fixed investment

Real private nonresidential fixed investment increased 18.1 percent in the third quarter after increasing 14.6 percent in the second (table 3). The increases in both quarters were mainly accounted for by producers' durable equipment (PDE).

Factors that affect investment spending have been generally favorable over the past four quarters. Over that four-quarter period, real final

Table 3.—Real Gross Private Domestic Fixed Investment

[Seasonally adjusted at annual rates]

	Billions of chained (1992) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1996	1997		
	1997	1996	1997						
	III	IV	I	II	III	IV	I	II	III
Gross private domestic fixed investment	**1,148.2**	**7.8**	**10.3**	**32.4**	**36.8**	**3.0**	**3.9**	**12.6**	**13.9**
Nonresidential	872.5	11.5	8.1	28.1	35.5	5.9	4.1	14.6	18.1
Structures	195.1	6.9	–1.0	–2.4	1.6	15.3	–2.1	–4.7	3.3
Nonresidential buildings, including farm	148.6	6.7	1.7	–3.0	1.5	20.3	4.4	–7.6	4.1
Utilities	28.0	.8	–2.0	1.2	–.7	12.2	–24.7	17.4	–9.2
Mining exploration, shafts, and wells	13.4	–.3	–.2	–.6	.4	–9.6	–4.1	–18.3	14.8
Other	5.0	–.3	–.5	.1	.3	–19.3	–33.1	11.3	28.5
Producers' durable equipment	685.3	3.8	9.9	32.7	36.0	2.6	6.7	23.0	24.1
Information processing and related equipment	321.2	6.1	11.0	15.5	24.3	9.6	17.2	24.0	37.0
Computers and peripheral equipment	240.9	12.4	13.4	20.3	24.8	32.5	32.9	48.4	54.5
Other	131.8	–1.0	2.2	2.9	7.4	–3.2	7.6	9.8	26.3
Industrial equipment	125.7	–.7	–.1	6.7	2.2	–2.2	-.3	24.8	7.3
Transportation and related equipment	146.5	.2	–2.2	8.5	10.5	.8	–6.8	29.5	34.9
Of which: Motor vehicles	120.1	.1	3.9	–2.1	5.5	–4.2	11.5	–18.8	34.3
Other	111.8	–.3	3.6	3.0	2.7	–.9	12.5	12.1	10.4
Residential	280.8	–3.0	2.2	4.9	2.6	–4.3	3.3	7.4	3.7
Single-family structures	136.6	–2.1	0	.3	.1	–5.9	0	.7	.5
Multifamily structures	19.4	.5	1.6	.8	–1.0	12.8	41.1	17.6	–19.1
Other	125.4	–1.4	.7	4.0	3.5	–4.8	2.3	14.4	11.9

NOTE.—See note to table 1 for an explanation of chained (1992) dollar series. Chained (1992) dollar levels and residuals are found in NIPA tables 5.5, 8.5 (autos), and 8.7 (trucks). Percent changes in major aggregates aggregates are found in NIPA table 8.1.

sales of domestic product increased 3.7 percent; domestic corporate profits increased 12.2 percent; the capacity utilization rate in manufacturing increased from 82.1 at the beginning of the period to 83.1 at its end; and long-term interest rates stayed relatively low—for example, the yield on high-grade corporate bonds fluctuated in the 7.0–8.0-percent range.

PDE increased 24.1 percent in the third quarter, a little more than in the second. Information processing equipment increased sharply, largely because of another surge in computers and peripheral equipment. Transportation equipment also increased substantially; aircraft increased (though less than in the second quarter), and motor vehicles increased after a decrease. Industrial and "other" equipment (which includes agricultural and construction machinery) increased modestly.

Structures increased 3.3 percent after decreasing 4.7 percent. Investment in nonresidential buildings increased after decreasing; industrial and commercial buildings both turned up. Investment in mining exploration, shafts, and wells also increased after decreasing. In contrast, investment in utilities turned down.

Residential investment

Real residential investment increased 3.7 percent in the third quarter after increasing 7.4 percent in the second (table 3). The slowdown was primarily accounted for by multifamily structures, which decreased 19.1 percent after increasing 17.6 percent.

Single-family structures increased 0.5 percent after increasing 0.7 percent. New single-family housing starts have changed little over the past 6 months (chart 3).

"Other" residential investment increased 11.9 percent after increasing 14.4 percent.[4] Slowdowns in both home improvements and mobile homes more than offset an acceleration in brokers' commissions. The acceleration in brokers' commissions reflected a step-up in the increase in home sales. The third-quarter increase in home sales of 198,000 units (at a seasonally adjusted annual rate) was the largest increase since the second quarter of 1996 and consisted of a 167,000-unit increase in sales of existing residences and a 31,000-unit increase in sales of new residences. The increase in home sales may have partly reflected a drop in the commitment rate on 30-year fixed-rate mortgages from 7.92 percent to 7.47 percent (chart 4).

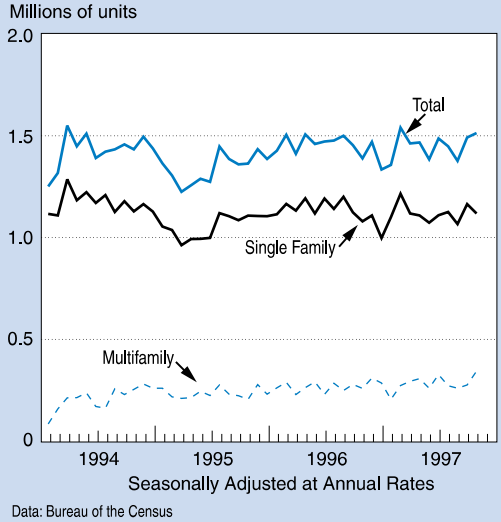
Inventory investment

Real inventory investment—that is, the change in business inventories—decreased $28.1 billion in the third quarter, as inventory accumulation slowed to $49.5 billion from $77.6 billion

4. "Other" residential investment includes home improvements, new mobile home sales, brokers' commissions on home sales, residential equipment, and other residential structures (which consists primarily of dormitories, fraternity and sorority houses, and nurses' homes).

CHART 3

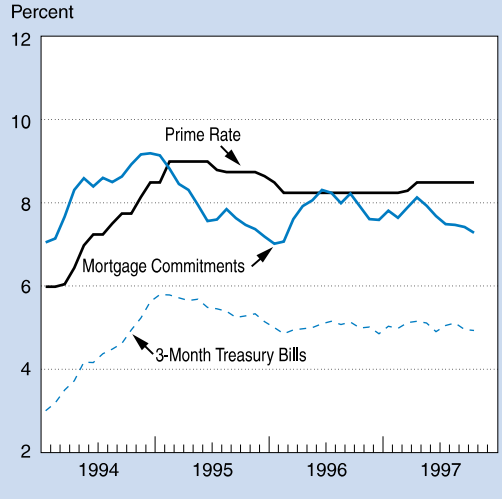
Housing Starts



Data: Bureau of the Census
U.S. Department of Commerce, Bureau of Economic Analysis

CHART 4

Selected Interest Rates



Data: Federal Reserve Board
U.S. Department of Commerce, Bureau of Economic Analysis

(table 4). In contrast, inventory investment had increased $13.9 billion in the second quarter, as accumulation had stepped up from $63.7 billion in the first quarter.

Nonfarm inventories increased $40.6 billion after increasing $70.1 billion. The slowdown was accounted for by widespread decelerations in inventory accumulation.

In manufacturing, inventories in both the durable and nondurable goods industries increased less in the third quarter than in the second. In the durable goods industries, the slowdown was primarily accounted for by decelerations in transportation equipment other than motor vehicles and in industrial machinery. In the nondurable goods industries, the slowdown was primarily accounted for by a downturn in petroleum products and a deceleration in chemical products.

In wholesale trade, a slowdown in the accumulation of inventories in the durable goods industries more than offset an acceleration in inventory accumulation in nondurable goods industries. In the durable goods industries, the slowdown was mostly accounted for by downturns in machinery equipment and in hardware and plumbing equipment and by a deceleration in professional and commercial equipment.

In retail trade, inventories in both the durable goods and nondurable goods industries increased less than in the second quarter. In the durable goods industries, the slowdown was more than accounted for by inventories other than those held by motor vehicle dealers; inventories of motor vehicle dealers decreased for the fourth consecutive quarter, but the third-quarter decrease was smaller than the second-quarter decrease.

In "other" nonfarm inventories, the slowdown was more than accounted for by inventories in the nondurable goods industries.[5]

Farm inventories increased $9.2 billion after increasing $7.5 billion. Inventories of crops increased more than in the second quarter, and inventories of livestock decreased less.

The ratio of real nonfarm inventories to all real final sales of domestic businesses edged down to 2.27 in the third quarter from 2.28 in the second. A different ratio, in which final sales are limited to goods and structures, decreased to 4.10 from 4.13.

Exports and imports

Real exports of goods and services increased 4.3 percent in the third quarter after increasing 18.4 percent in the second (table 5). Real imports of goods and services increased 14.0 percent after increasing 20.5 percent.

Real exports of goods increased 3.8 percent after increasing 25.1 percent. Agricultural exports turned up, but nonagricultural exports increased much less than in the second quarter. Most categories of nonagricultural exports contributed to the slowdown; nonautomotive capital goods—the largest component of nonagricultural exports—contributed the most, largely reflecting a downturn in exports of civilian aircraft.[6] Nonautomotive consumer goods also turned down, and industrial supplies and materials increased less than in the second quarter. Exports of autos and trucks changed little after

5. "Other" nonfarm inventories includes inventories held by mining; construction; public utilities; transportation; communication; finance, insurance, and real estate; and service industries.

6. Exports and imports of nonautomotive capital goods include both parts and equipment. However, parts are not included either in the producers' durable equipment component of business fixed investment or in the equipment component of government investment.

Table 4.—Real Change in Business Inventories

[Billions of chained (1992) dollars; seasonally adjusted at annual rates]

	Level					Change from preceding quarter			
	1996		1997			1996	1997		
	III	IV	I	II	III	IV	I	II	III
Change in business inventories	**37.9**	**32.9**	**63.7**	**77.6**	**49.5**	**–5.0**	**30.8**	**13.9**	**–28.1**
Farm	6.5	6.4	5.3	7.5	9.2	–.1	–1.1	2.2	1.7
Nonfarm	31.6	26.5	58.3	70.1	40.6	–5.1	31.8	11.8	–29.5
Manufacturing	14.3	12.3	20.9	29.0	16.9	–2.0	8.6	8.1	–12.1
Wholesale trade	–5.0	9.4	22.9	24.6	14.7	14.4	13.5	1.7	–9.9
Retail trade	20.0	.9	.6	7.7	3.1	–19.1	–.3	7.1	–4.6
Of which: Motor vehicle dealers	10.6	–4.7	–2.5	–3.7	–1.1	–15.3	2.2	–1.2	2.6
Other	2.3	3.9	13.7	8.9	5.8	1.6	9.8	–4.8	–3.1

NOTE.—See note to table 1 for an explanation of chained (1992) dollar series. Chained (1992) dollar levels and residuals are found in NIPA table 5.11.

a modest increase. Exports of services increased 5.7 percent after increasing 3.2 percent, as travel and passenger fares turned up.

Real imports of goods increased 14.8 percent after increasing 22.9 percent. All categories of imports except autos and trucks contributed to the slowdown. Imports of both petroleum and nonpetroleum products slowed. In nonpetroleum products, nonautomotive consumer goods and nonautomotive capital goods slowed the most. Despite these slowdowns, nonpetroleum products increased 15.8 percent, its seventh consecutive double-digit increase. Imports of services increased 9.5 percent after increasing 8.9 percent.

Government spending

Real government consumption expenditures and gross investment increased 1.1 percent in the third quarter after increasing 3.1 percent in the second (table 6). A downturn in Federal Government spending more than offset a small acceleration in State and local government spending.

Federal defense spending increased 1.3 percent after increasing 7.5 percent. Consumption expenditures decreased slightly after increasing; the downturn was accounted for by durable goods, mainly aircraft parts. Investment increased less than in the second quarter; the slowdown was attributable to equipment.

Federal nondefense spending decreased 5.4 percent after increasing 4.9 percent. The downturn was mostly attributable to a downturn in investment in equipment. Consumption expenditures decreased slightly after increasing.

State and local government spending increased 2.3 percent after increasing 1.2 percent. Compensation of employees increased more than in the second quarter, and investment increased

Table 5.—Real Exports and Imports of Goods and Services

[Seasonally adjusted at annual rates]

	Billions of chained (1992) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1996	1997		
	1997	1996	1997						
	III	IV	I	II	III	IV	I	II	III
Exports of goods and services	**972.7**	**49.7**	**21.6**	**39.8**	**10.2**	**25.5**	**9.9**	**18.4**	**4.3**
Goods	732.5	43.2	20.0	39.6	6.7	30.7	12.6	25.1	3.8
Agricultural goods	49.5	4.9	–4.0	–.5	2.3	49.2	–27.6	–4.2	20.8
Nonagricultural goods	686.8	37.9	25.6	41.2	4.0	29.0	17.7	28.2	2.4
Services	244.2	7.4	2.1	1.9	3.4	13.5	3.7	3.2	5.7
Imports of goods and services	**1,135.7**	**16.4**	**42.3**	**50.2**	**36.6**	**6.8**	**17.9**	**20.5**	**14.0**
Goods	971.5	15.8	33.8	47.1	33.1	7.7	16.7	22.9	14.8
Petroleum and products	69.0	–3.5	–1.8	5.9	.9	–19.6	–10.8	44.5	4.8
Nonpetroleum products	902.7	20.4	37.0	40.6	32.4	11.0	20.0	21.1	15.8
Services	165.6	.7	8.4	3.4	3.8	2.1	24.2	8.9	9.5
Addendum: Net exports of goods and services	**–162.9**	**33.3**	**–20.7**	**–10.3**	**–26.3**	.....	.....	.....	.....

NOTE.—See note to table 1 for an explanation of chained (1992) dollar series. Chained (1992) dollar levels and residuals are found in NIPA table 4.4. Percent changes in major aggregates are found in NIPA table 8.1.

Table 6.—Real Government Consumption Expenditures and Real Gross Investment by Type

[Seasonally adjusted at annual rates]

	Billions of chained (1992) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1996	1997		
	1997	1996	1997						
	III	IV	I	II	III	IV	I	II	III
Government consumption expenditures and gross investment	**1,273.6**	**0.3**	**–1.3**	**9.6**	**3.5**	**0.1**	**–0.4**	**3.1**	**1.1**
Federal	458.9	–6.1	–6.8	7.3	–1.2	–5.2	–5.8	6.6	–1.0
National defense	310.4	–5.8	–9.7	5.5	1.0	–7.1	–11.8	7.5	1.3
Consumption expenditures	273.6	–3.7	–4.1	3.6	–.3	–5.2	–5.8	5.4	–.5
Gross investment	36.8	–2.2	–5.7	1.9	1.4	–19.4	–46.9	25.3	16.1
Nondefense	148.2	–.3	2.8	1.7	–2.0	–1.0	8.0	4.9	–5.4
Consumption expenditures	128.0	.5	2.6	.5	–.2	1.6	8.5	1.7	–.7
Gross investment	20.1	–1.0	.2	1.4	–2.1	–16.8	4.0	29.8	–33.2
State and local	814.7	6.4	5.4	2.4	4.6	3.3	2.7	1.2	2.3
Consumption expenditures	668.6	2.1	3.3	3.2	4.3	1.3	2.0	1.9	2.6
Gross investment	146.2	4.4	2.1	–.8	.4	13.1	6.0	–2.4	1.1

NOTE.—See note to table 1 for an explanation of chained (1992) dollar series. Chained (1992) dollar levels and residuals are found in NIPA table 3.8B. Percent changes in major aggregates are found in NIPA table 8.1.

after decreasing, reflecting a small upturn in structures.

Revisions

As noted earlier, the preliminary estimate of a 3.3-percent increase in real GDP in the third quarter is 0.2 percentage point lower than the advance estimate (table 7); for 1976–96, the average revision, without regard to sign, was 0.5 percentage point from the advance estimate of real GDP to the preliminary estimate. The small downward revision to GDP in the third quarter reflected downward revisions to exports of goods, to nonresidential structures, and to nonfarm business inventory investment.

The downward revision to exports of goods reflected the incorporation of revised Census Bureau data for August and newly available data for September.

The downward revision to nonresidential structures primarily reflected the incorporation of newly available Census Bureau data on the value of new construction put in place for September.

The downward revision to nonfarm business inventory investment reflects the incorporation of newly available Department of Defense data on deliveries of military aircraft for the third quarter and newly available information on the average value of cars in inventories for September.

The preliminary estimates of the increases in the price indexes for gross domestic purchases and for GDP were 1.3 percent and 1.5 percent, respectively; each was 0.1 percentage point higher than the advance estimate.

The preliminary estimate of real disposable personal income increased 2.7 percent in the third quarter, 0.2 percentage point lower than the advance estimate; current-dollar personal income was revised down. The preliminary estimate of the personal saving rate was 3.5 percent, 0.1 percentage point lower than the advance estimate.

Corporate Profits

Profits from current production increased $21.1 billion in the third quarter after increasing $15.5 billion in the second (table 8).[7] Profits of domestic industries increased $32.4 billion after increasing $12.2 billion. Profits of domestic nonfinancial corporations increased much more than in the second quarter; the third-quarter increase reflected increases both in real output and in unit profits. Profits of domestic financial corporations increased a little in both quarters. Profits from the rest of the world decreased $11.4 billion after increasing $3.4 billion; receipts turned down, and payments increased almost as much as in the second quarter.[8]

7. Profits from current production is estimated as the sum of profits before tax, the inventory valuation adjustment, and the capital consumption adjustment; it is shown in NIPA tables 1.9, 1.14, 1.16, and 6.16C (which are part of the "Selected NIPA Tables" that begin on page D–2 of this issue) as "corporate profits with inventory valuation and capital consumption adjustments."

8. Profits from the rest of the world is calculated as (1) receipts by U.S. residents of earnings from their foreign affiliates plus dividends received by U.S. residents from unaffiliated foreign corporations minus (2) payments by U.S. affiliates of earnings to their foreign parents plus dividends paid by U.S.

Table 7.—Revisions to Real Gross Domestic Product and Prices, Third Quarter 1997

[Seasonally adjusted at annual rates]

	Percent change from preceding quarter		Preliminary estimate minus advance estimate	
	Advance estimate	Preliminary estimate	Percentage points	Billions of chained (1992) dollars
Gross domestic product	**3.5**	**3.3**	**0.2**	**–4.2**
Less: Exports of goods and services	5.6	4.3	–1.3	–3.0
Goods	5.6	3.8	–1.8	–3.2
Services	5.5	5.7	.2	.1
Plus: Imports of goods and services	4.0	14.0	0	.1
Goods	5.4	14.8	–.6	–1.2
Services	6.6	9.5	2.9	1.1
***Equals*: Gross domestic purchases**	**4.6**	**4.5**	**–.1**	**–1.6**
Personal consumption expenditures	5.7	5.8	.1	.8
Durable goods	6.7	18.2	1.5	2.1
Nondurable goods	4.7	4.4	–.3	–.9
Services	4.1	4.1	0	–.3
Fixed investment	4.1	13.9	–.2	–.4
Nonresidential	8.7	18.1	–.6	–1.2
Structures	0.1	3.3	–6.8	–3.1
Producers' durable equipment	2.1	24.1	2.0	2.7
Residential	2.8	3.7	.9	.6
Change in business inventories	.....	.....	.....	–2.0
Nonfarm	.....	.....	.....	–2.0
Farm	.....	.....	.....	.1
Government consumption expenditures and gross investment	1.0	1.1	.1	.3
Federal	1.2	–1.0	.2	.1
National defense	1.1	1.3	.2	.2
Nondefense	5.5	–5.4	.1	.1
State and local	2.2	2.3	.1	.2
Addenda:				
Final sales of domestic product	5.0	4.9	–.1	–1.9
Gross domestic purchases price index [1]	1.2	1.3	.1	.....
GDP price index [1]	1.4	1.5	.1	.....

1. Based on chained-type annual (1992) weights.

NOTE.—The preliminary estimates for the third quarter of 1997 incorporate the following revised or additional major source data that were not available when the advance estimates were prepared.

Personal consumption expenditures: Revised retail sales for August and September, consumers' share of new-car purchases for September, revised average unit value for domestic new autos for July through September, consumers' share of new-truck purchases for September, hospital expenses for July, and residential electricity usage for July.

Nonresidential fixed investment: Construction put in place for July and August (revised) and September, manufacturers' shipments of machinery and equipment for August and September (revised), and exports and imports of machinery and equipment for August (revised) and September.

Residential fixed investment: Construction put in place for July and August (revised) and September.

Change in business inventories: Manufacturing inventories for August (revised) and September, and retail trade and wholesale trade inventories for August (revised) and September; Department of Defense data on deliveries of military aircraft for the third quarter; and information on the average value of cars in inventories for September.

Exports and imports of goods and services: Exports and imports of goods for August (revised) and September.

Government consumption expenditures and gross investment: Monthly Treasury Statement detailed data for September, Department of Defense detailed financial reports for the quarter, State and local government construction put in place for July and August (revised) and September, and State and local government employment for August and September (revised).

Wages and salaries: Employment, average hourly earnings, and average weekly hours for August and September (revised).

GDP prices: Detailed merchandise export and import price indexes for July through September (revised), values and quantities of petroleum imports for August and September (revised), and housing prices for the third quarter.

Cash flow from current production, a profits-related measure of internally generated funds available for investment, increased $7.2 billion after increasing $11.3 billion. The ratio of cash flow to nonresidential fixed investment, an indicator of the share of the current level of investment that could be financed by internally generated funds, decreased to 80.2 percent from 82.5 percent. The third-quarter ratio is in the lower part of the range in which the ratio has fluctuated during most of this decade.

Industry profits.—Industry profits increased $20.1 billion after increasing $13.8 billion.[9] For domestic financial corporations, profits increased slightly, as they had in the second quarter. For domestic nonfinancial corporations, profits increased three times as much as in the second quarter. More than half of the step-up was accounted for by manufacturing, primarily reflecting upturns in petroleum and in motor vehicle manufacturing. Wholesale and retail trade both increased after little change, and "other" nonfinancial corporations increased after a decrease.

Related measures.—Profits before tax (PBT) increased $21.0 billion after increasing $11.4 billion. The difference between the $9.6 billion step-up in PBT and the $5.6 billion step-up in profits from current production was mainly accounted for by inventory profits, which increased a little after decreasing.[10]

Government Sector

The combined current surplus of the Federal Government and State and local governments increased $30.7 billion in the third quarter, to $98.8 billion (table 9).[11] In the third quarter, the surplus as a share of gross national product was at its highest level in more than 18 years. The increase in the current surplus was attributable to a decrease in the Federal Government deficit and to an increase in the State and local government surplus.

Federal

The Federal Government current deficit decreased $24.3 billion, to $12.5 billion, in the third quarter after decreasing $18.7 billion in the second quarter. The third-quarter deficit was the smallest since the second quarter of 1979.

Receipts.—Federal receipts increased $30.9 billion in the third quarter after increasing $34.0 billion in the second. The deceleration resulted from decelerations in personal tax and nontax receipts and in indirect business tax and nontax accruals that were nearly offset by a step-up in corporate profits tax accruals.

Personal tax and nontax receipts increased $13.2 billion after increasing $21.0 billion. The deceleration was mostly accounted for by "estimated income tax payments and final settlements, less refunds," which increased $4.3 billion

corporations to unaffiliated foreign residents. These estimates are derived from BEA's international transactions accounts.

9. Industry profits, which are estimated as the sum of corporate profits before tax and the inventory valuation adjustment, are shown in NIPA table 6.16C (on page D–16 of this issue). Estimates of the capital consumption adjustment do not exist at a detailed industry level; they are available only for total financial and total nonfinancial industries.

Table 8.—Corporate Profits

[Seasonally adjusted at annual rates]

	Level	Change from preceding quarter			
	1997	1996	1997		
	III	IV	I	II	III
	Billions of dollars				
Profits from current production	**816.2**	**8.2**	**31.8**	**15.5**	**21.1**
Domestic industries	726.8	–7.5	41.9	12.2	32.4
Financial	108.9	–16.1	28.3	.9	1.2
Nonfinancial	617.9	8.4	13.7	11.3	31.2
Rest of the world	89.4	15.7	–10.1	3.4	–11.4
Receipts (inflows)	141.2	9.2	–2.7	8.4	–7.1
Payments (outflows)	51.8	–6.6	7.5	5.0	4.3
IVA	4.9	6.0	.2	2.4	–1.0
CCAdj	70.4	1.2	3.3	1.7	1.0
Profits before tax	740.8	.9	28.4	11.4	21.0
Profits tax liability	257.4	–5.6	15.2	3.3	12.9
Profits after tax	483.4	6.5	13.2	8.1	8.1
Cash flow from current production	697.4	16.8	4.3	11.3	7.2
Corporate profits with IVA	745.8	7.0	28.5	13.8	20.1
Domestic industries	656.4	–8.8	38.7	10.4	31.5
Financial	119.0	–15.9	28.4	1.0	1.5
Nonfinancial	537.4	7.1	10.2	9.4	30.0
Rest of the world	89.4	15.7	–10.1	3.4	–11.4
	Dollars				
Unit price, costs, and profits of nonfinancial corporations:					
Unit price	1.072	0.001	0.004	0.003	0
Unit labor cost	.694	.002	.004	.001	–.004
Unit nonlabor cost	.228	–.001	–.001	0	–.001
Unit profits from current production	.149	.001	.001	.001	.005

NOTE.—Levels of these and other profits series are found in NIPA tables 1.14, 1.16, 6.16C, and 7.15.
IVA Inventory valuation adjustment
CCAdj Capital consumption adjustment

10. As prices change, companies that value inventory withdrawals at original acquisition (historical) costs may realize inventory profits or losses. Inventory profits—a capital-gains-like element in profits—result from an increase in inventory prices, and inventory losses—a capital-loss-like element in profits—result from a decrease in inventory prices. In the NIPA's, inventory profits or losses are shown as adjustments to business income (corporate profits and proprietors' income); they are shown as the inventory valuation adjustment with the sign reversed.

11. The NIPA estimates for the government sector are derived from financial statements for the Federal Government and for State and local governments but differ from them in several respects. The major differences are shown in NIPA tables 3.18B and 3.19, which reconcile the NIPA estimates with government financial statements; these tables were published in the October 1997 SURVEY OF CURRENT BUSINESS on pages 11–13.

after increasing $9.4 billion. In addition, estate and gift taxes decreased $0.4 billion after increasing $1.8 billion.

Indirect business tax and nontax accruals increased $0.2 billion after increasing $4.0 billion. The deceleration was attributable to air transport excise taxes, which increased $0.3 billion after increasing $2.7 billion; the second-quarter increase resulted from the reinstatement in March of these taxes. Customs duties increased $0.4 billion after increasing $1.9 billion.

Corporate profits tax accruals increased $10.9 billion after increasing $2.8 billion. The acceleration reflected the pattern of domestic corporate profits.

Current expenditures.—Current expenditures increased $6.7 billion in the third quarter after increasing $15.2 billion in the second. The deceleration reflected slowdowns in consumption expenditures, transfer payments (net), and grants-in-aid to State and local governments.

Consumption expenditures increased $0.8 billion after increasing $6.2 billion. Expenditures for national defense increased $0.4 billion after increasing $4.9 billion; a deceleration in services and a downturn in durable goods more than offset an upturn in nondurable goods. Within services, the deceleration was mostly accounted for by research and development and by personnel support services. The downturn in durable goods was mostly attributable to aircraft parts and other durable goods. Nondefense consumption expenditures increased $0.4 billion after increasing $1.2 billion. The deceleration was mostly attributable to services, which increased $0.6 billion after increasing $1.3 billion. Within services, compensation of employees increased $0.1 billion after increasing $0.8 billion, reflecting a decrease in employment.

Transfer payments (net) increased $3.2 billion after increasing $5.5 billion. Transfer payments to persons increased $4.2 billion after increasing $5.0 billion; the deceleration was more than accounted for by military pensions and social security benefits (old-age, survivors, and disability insurance). Transfer payments to the rest of the world decreased $0.9 billion after increasing $0.3 billion.

Grants-in-aid to State and local governments increased $1.7 billion after increasing $2.9 billion. The deceleration was more than accounted for by decelerations in grants for health care, medicaid, and highways that were only partly offset by accelerations in mass transit and "other grants-in-aid."

State and local

The State and local government current surplus increased $6.4 billion, to $111.3 billion, in the third quarter after increasing $0.2 billion in the second. The acceleration was attributable to an acceleration in receipts.

Receipts increased $19.1 billion after increasing $9.1 billion. Accelerations in most major categories of receipts were partly offset by a deceleration in Federal grants-in-aid.

Table 9.—Government Sector Receipts and Current Expenditures

[Billions of dollars, seasonally adjusted at annual rates]

	Level	Change from preceding quarter				
	1997	1996		1997		
	III	III	IV	I	II	III
Government sector						
Receipts	2615.1	19.1	52.3	47.6	40.2	48.3
Current expenditures	2516.3	18.8	32.2	21.6	21.3	17.6
Current surplus or deficit(–)	98.8	.3	20.1	26.0	18.9	30.7
Social insurance funds	135.5	5.0	2.3	–2.1	2.1	3.5
Other	–36.8	–4.7	17.8	28.1	16.8	27.2
Federal Government						
Receipts	1740.2	14.8	43.0	33.7	34.0	30.9
Personal tax and nontax receipts	781.1	6.9	21.8	29.4	21.0	13.2
Corporate profits tax accruals	218.6	–.5	–4.7	12.9	2.8	10.9
Indirect business tax and nontax accruals	92.4	1.5	18.7	–22.0	4.0	.2
Contributions for social insurance	648.1	7.0	7.2	13.3	6.2	6.6
Current expenditures	1752.7	2.8	20.6	12.0	15.2	6.7
Consumption expenditures	465.0	.3	–.4	4.4	6.2	.8
National defense	311.7	1.5	–1.7	–1.2	4.9	.4
Nondefense	153.3	–1.3	1.4	5.7	1.2	.4
Transfer payments (net)	794.6	4.0	15.8	8.6	5.5	3.2
To persons	784.7	3.4	4.7	21.1	5.0	4.2
To the rest of the world	9.9	.7	11.0	–12.4	.3	–.9
Grants-in-aid to State and local governments	224.2	–4.5	–1.2	2.1	2.9	1.7
Net interest paid	230.9	3.1	5.2	–2.9	.9	1.1
Subsidies less current surplus of government enterprises	38.0	–.1	1.1	–.1	–.3	–.1
Subsidies	34.3	.1	.3	.4	.5	0
Of which: Agricultural subsidies	7.5	0	.1	0	.1	0
Less: Current surplus of government enterprises	–3.6	.3	–.9	.4	.8	.3
Less: Wage accruals less disbursements	0	0	0	0	0	0
Current surplus or deficit (–)	–12.5	12.1	22.4	21.6	18.7	24.3
Social insurance funds	64.1	4.9	2.4	–1.9	1.7	3.7
Other	–76.6	7.2	20.1	23.5	17.0	20.6
State and local governments						
Receipts	1099.1	–.2	8.2	16.0	9.1	19.1
Personal tax and nontax receipts	215.9	2.8	3.4	3.6	2.6	4.6
Corporate profits tax accruals	38.8	–.1	–.9	2.4	.4	2.0
Indirect business tax and nontax accruals	533.4	.5	5.7	6.9	2.0	9.4
Contributions for social insurance	86.8	1.1	1.1	1.1	1.2	1.4
Federal grants-in-aid	224.2	–4.5	–1.2	2.1	2.9	1.7
Current expenditures	987.9	11.7	10.3	11.6	9.0	12.8
Consumption expenditures	766.6	8.9	7.4	8.4	5.7	9.2
Transfer payments to persons	314.0	3.9	4.0	4.5	4.4	4.5
Net interest paid	–65.9	–1.0	–.8	–1.0	–.9	–1.0
Less: Dividends received by government	14.7	.1	.3	.3	.4	0
Subsidies less current surplus of government enterprises	–12.1	–.1	–.1	.2	.1	.1
Subsidies	.3	0	0	0	0	0
Less: Current surplus of government enterprises	12.5	.1	0	–.1	–.2	0
Less: Wage accruals less disbursements	0	0	0	0	0	0
Current surplus or deficit (–)	111.3	–11.8	–2.2	4.3	.2	6.4
Social insurance funds	71.4	.2	–.1	–.1	.3	–.2
Other	39.9	–12.0	–2.2	4.6	–.2	6.6

NOTE.—Dollar levels are found in NIPA tables 3.1, 3.2, and 3.3.

Indirect business tax and nontax accruals increased $9.4 billion after increasing $2.0 billion; the acceleration was more than accounted for by an acceleration in "other tax and nontax accruals" and an upturn in sales taxes. "Other tax and nontax accruals" increased $4.8 billion after increasing $1.0 billion; this pickup was attributable to a $3.7 billion (annual rate) payment to two States from tobacco companies as a result of out-of-court settlements of lawsuits. Sales taxes increased $3.0 billion after decreasing $0.6 billion, reflecting an upturn in retail sales.

Personal tax and nontax receipts increased $4.6 billion after increasing $2.6 billion. The acceleration was primarily attributable to income taxes.

Corporate profits tax accruals increased $2.0 billion after increasing $0.4 billion, reflecting the pattern of domestic corporate profits.

Current expenditures increased $12.8 billion after increasing $9.0 billion. The acceleration was mostly accounted for by consumption expenditures. Consumption expenditures increased $9.2 billion after increasing $5.7 billion; the acceleration was mostly accounted for by an upturn in nondurable goods and an acceleration in services. The upturn in nondurable goods resulted from increases in petroleum prices. The acceleration in services was in compensation of employees, reflecting an acceleration in State and local government employment, and in "other services."

Preview of Revised NIPA Estimates for 1992 From the 1992 I-O Accounts

By Leon W Taub and Robert P. Parker

THIS ARTICLE presents preliminary revised estimates of the major aggregates and components of the national income and product accounts (NIPA's) for 1992. The revised estimates reflect the newly available benchmark input-output (I-O) accounts for 1992, which are presented in the November 1997 issue and in this issue of the SURVEY OF CURRENT BUSINESS.[1] As part of the next comprehensive revision of the NIPA's, the estimates will be further revised and will incorporate definitional changes and other statistical improvements.

The first part of this article provides a brief overview of the revision; the second part describes the new source data and estimating procedures incorporated into the revised estimates; and the third part identifies some of the other changes that will be introduced in the NIPA comprehensive revision.

Preliminary revisions to NIPA major aggregates and components

The presently published and preliminary revised estimates for 1992, and the amount of the revision, are shown for the five NIPA summary accounts in table A. The revised estimates of gross domestic product (GDP) and its expenditure components are based on the 1992 I-O accounts; the revised estimates of other NIPA major aggregates and components reflect the incorporation of the I-O source data and expenditure estimates that directly affect their calculation.

The revised estimate of GDP is $10.5 billion lower, or 0.2 percent lower, than the presently published estimate for 1992. Personal consumption expenditures (PCE) more than accounts for the downward revision. PCE for durable goods was revised down $17.7 billion. Motor vehicles and parts was revised down $6.6 billion, primarily reflecting reduced dealer margins; furniture and household equipment was revised down $10.7 billion. PCE for nondurable goods was revised down $0.9 billion. Categories of nondurable goods that were revised down include "other" nondurable goods ($4.1 billion), clothing and shoes ($3.7 billion), and gasoline and oil ($1.7 billion). These downward revisions were partly offset by an upward revision to PCE for food ($7.4 billion) that reflects an improved allocation of purchased meals and beverages at certain retail and service establishments between consumption by persons (which are included in final expenditures) and purchases by business (which are intermediate purchases and are therefore not included in final expenditures) and that reflects improved estimates of the misreporting adjustments for eating and drinking places. PCE for services was revised up $7.6 billion. Upward revisions to "other" services ($8.4 billion) and medical care ($6.3 billion) more than offset downward revisions to housing ($4.2 billion) and transportation ($3.0 billion).

Gross private domestic investment was revised up $6.0 billion, reflecting upward revisions to nonresidential producers' durable equipment (PDE) and to structures. PDE was revised up $4.4 billion; the revision was more than accounted for by industrial equipment and information processing and related equipment. Within information processing and related equipment, business purchases of instruments was revised up sharply, primarily as a result of a reclassification of analytical instruments from photocopy and related equipment; most other categories of information processing and related equipment were revised down. Nonresidential structures was revised up $3.0 billion, primarily as a result of upward revisions to electric light and power structures.

Government consumption expenditures and gross investment was revised down $6.0 billion. State and local spending was revised down $3.9 billion as a result of the incorporation of new data from the 1992 Census of Governments. Federal spending was revised down $2.1 billion; both defense and nondefense spending were revised

1. Ann M. Lawson, "Benchmark Input-Output Accounts for the U.S. Economy, 1992: Make, Use, and Supplementary Tables," SURVEY 77 (November 1997): 36–83; and Ann M. Lawson, "Benchmark Input-Output Accounts for the U.S. Economy, 1992: Requirements Tables" in this issue.

down. As shown in account 5, line 12, the government current deficit on a NIPA basis was revised down only $1.7 billion, because the downward revision to State and local spending and a small portion of the downward revision to Federal spending were to investment rather than to current expenditures; in addition, government transfer payments to the rest of the world was revised up $0.3 billion.[2]

Net exports of goods and services was revised up $0.5 billion; a downward revision of $2.0 billion to exports was more than offset by a downward revision of $2.5 billion to imports. The preliminary revised estimates of exports and imports shown in account 1 are on a NIPA basis; NIPA exports and imports include, and the I-O accounts exclude, the value of U.S. goods that are returned to the United States from other countries, foreign goods that are reexported from the United States to other countries, and certain transactions between foreigners that involve U.S. intermediaries. These differences do not cause differences between the NIPA and I-O estimates of net exports.

The revised estimate of gross national income is $10.4 billion lower, or 0.2 percent lower, than the presently published estimate. Downward revisions to rental income of persons ($6.2 billion) and to net interest ($5.0 billion) more than account for the revision. Gross domestic income, which differs from gross national income by net receipts of factor income, was revised down $11.5 billion.

In the presently published estimates for 1992, GDP is $44.8 billion larger than gross domestic income, and the statistical discrepancy—the difference between them—is positive. Reflecting the larger downward revision to gross domestic income than to GDP, the statistical discrepancy was revised up slightly, to $45.8 billion, or to 0.7 percent of GDP.

Personal income was revised down $11.1 billion, or 0.2 percent, largely reflecting the downward revisions to rental income of persons and to net interest (account 2). Disposable personal income—personal income less personal tax and nontax payments—was also revised down $11.1 billion, as taxes were not revised. As a result of the larger downward revision to disposable personal income than to personal outlays, personal saving was revised down $2.6 billion, and the personal saving rate—personal saving as a percentage of disposable personal income—was revised from 6.2 percent to 6.1 percent.

New source data and estimating procedures

A variety of new source data and estimating procedures were incorporated into the 1992 benchmark I-O accounts. The I-O estimates incorporated detailed data that had not been available to be incorporated into the NIPA's, including data on industries that were covered for the first time in economic censuses—finance, insurance, and real estate industries and transportation, communication, and utility industries. The I-O accounts also incorporated data on sales by detailed commodity from the 1992 economic censuses and trade margins from 1992 annual surveys of merchant wholesalers and retail trade.

In addition, the detailed commodity-flow method was used to prepare the estimates of PCE and PDE in the I-O accounts.[3] This method enables the use of more of the detailed data from the economic censuses, of improved estimates of the sales of businesses with no employees in mining, manufacturing, and wholesale trade, which are excluded from the economic censuses, and of improved adjustments on the extent of underreporting of sales on tax returns used for the economic censuses.[4] Other newly incorporated source data include Credit Union National Association data and additional Federal Deposit Insurance Corporation data on bank revenues, which resulted in revisions to the estimates of imputed interest.

The major source of the I-O estimates of foreign transactions is the U.S. balance of payments accounts (BPA's). The I-O accounts reflect the 1992 estimates released in the 1996 annual BPA revision; the estimates from the 1997 revision became available too late to be incorporated. During the next comprehensive NIPA revision, the estimates for 1992 and earlier years will be revised on the basis of the BPA estimates available at that time.

Additional NIPA changes

In the next comprehensive NIPA revision, BEA will incorporate the results of the 1992 I-O accounts as well as definitional and other statistical changes. As part of its Strategic Plan, BEA is conducting research in many areas, such as the treatment of

2. In the next comprehensive NIPA revision, the government current accounts will also be affected by the revisions to consumption of fixed capital that result from the revisions to investment.

3. For more information, see the box "Personal Consumption Expenditures and Producers' Durable Equipment" on page 39 of the November 1997 SURVEY.

4. See Robert P. Parker, "Improved Adjustments for Misreporting of Tax Return Information Used to Estimate the National Income and Product Accounts, 1977," SURVEY 64 (June 1984): 17–25.

purchases of software as investment.[5] In addition, BEA is exploring the accuracy of the present adjustments that are used to restate business incomes and depreciation that are reported on business income tax returns in order to conform them to the NIPA definition of investment.[6] BEA is also evaluating a recent Census Bureau report on a potentially large understatement of the reported value of exports. To the extent that some of this research is completed before the comprehensive NIPA revision, the results may be incorporated into the extrapolators used in a regular annual NIPA revision.

Table A follows.

5. See "BEA's Mid-Decade Strategic Plan: A Progress Report," SURVEY 76 (June 1996): 52–55.

6. For more information, see the box "The Statistical Discrepancy" on page 19 of the August 1997 SURVEY.

Table A.—Summary National Income and Product Accounts, 1992

[Billions of dollars]

Account 1.—National Income and Product Account

Line		Presently published	Preliminary revised	Revision
1	Compensation of employees	3,644.9	3,644.9	0
2	Wage and salary accruals	2,970.6	2,970.6	0
3	Disbursements (2–7)	2,986.4	2,986.4	0
4	Wage accruals less disbursements (3–8 and 5–5)	–15.8	–15.8	0
5	Supplements to wages and salaries	674.3	674.3	0
6	Employer contributions for social insurance (3–16)	323.0	323.0	0
7	Other labor income (2–8)	351.3	351.3	0
8	Proprietors' income with inventory valuation and capital consumption adjustments (2–9).	423.8	423.9	.1
9	Rental income of persons with capital consumption adjustment (2–10).	79.4	73.2	–6.2
10	Corporate profits with inventory valuation and capital consumption adjustments.	428.0	429.0	1.0
11	Corporate profits with inventory valuation adjustment	398.9	399.9	1.0
12	Profits before tax	406.4	407.4	1.0
13	Profits tax liability (3–13)	143.0	143.0	0
14	Profits after tax	263.4	264.4	1.0
15	Dividends (2–12)	169.5	169.5	0
16	Undistributed profits	93.9	94.9	1.0
17	Inventory valuation adjustment	–7.5	–7.5	0
18	Capital consumption adjustment	29.1	29.1	0
19	Net interest (2–15)	414.3	409.3	–5.0
20	**National income**	**4,990.4**	**4,980.3**	**–10.1**
21	Business transfer payments	28.4	28.1	–.3
22	To persons (2–19)	22.5	22.5	0
23	To the rest of the world (4–9)	5.8	5.5	–.3
24	Indirect business tax and nontax liability (3–14)	505.6	505.6	0
25	*Less*: Subsidies less current surplus of government enterprises (3–7).	27.1	27.1	0
26	Consumption of fixed capital (5–7)	713.5	713.5	0
27	Private (5–8)	585.4	585.4	0
28	Government (5–9)	128.2	128.2	0
29	General government (5–10)	110.2	110.2	0
30	Government enterprises (5–11)	18.0	18.0	0
31	**Gross national income**	**6,210.7**	**6,200.3**	**–10.4**
32	*Less*: Receipts of factor income from the rest of the world (4–2)	137.9	138.5	.6
33	*Plus*: Payments of factor income to the rest of the world (4–5)	126.8	126.3	–.5
34	**Gross domestic income**	**6,199.6**	**6,188.1**	**–11.5**
35	Statistical discrepancy (5–14)	44.8	45.8	1.0
	GROSS DOMESTIC PRODUCT	**6,244.4**	**6,233.9**	**–10.5**

Line		Presently published	Preliminary revised	Revision
36	Personal consumption expenditures (2–3)	4,219.8	4,208.7	–11.1
37	Durable goods	488.5	470.8	–17.7
38	Nondurable goods	1,321.8	1,320.9	–.9
39	Services	2,409.4	2,417.0	7.6
40	Gross private domestic investment (5–1)	790.4	796.4	6.0
41	Fixed investment	783.4	791.0	7.6
42	Nonresidential	557.9	565.3	7.4
43	Structures	169.2	172.2	3.0
44	Producers' durable equipment	388.7	393.1	4.4
45	Residential	225.6	225.7	.1
46	Change in business inventories	7.0	5.4	–1.6
47	Net exports of goods and services	–29.5	–29.0	.5
48	Exports (4–1) [1]	639.4	637.4	–2.0
49	Imports (4–4) [1]	669.0	666.5	–2.5
50	Government consumption expenditures and gross investment (3–1 and 5–2).	1,263.8	1,257.8	–6.0
51	Federal	528.0	525.9	–2.1
52	National defense	375.8	375.0	–.8
53	Nondefense	152.2	150.9	–1.3
54	State and local	735.8	731.9	–3.9
	GROSS DOMESTIC PRODUCT	**6,244.4**	**6,233.9**	**–10.5**

Account 2.—Personal Income and Outlay Account

Line		Presently published	Preliminary revised	Revision
1	Personal tax and nontax payments (3–12)	650.5	650.5	0
2	Personal outlays	4,341.0	4,332.6	–8.4
3	Personal consumption expenditures (1–36)	4,219.8	4,208.7	–11.1
4	Interest paid by persons (2–17)	111.7	111.7	0
5	Personal transfer payments to the rest of the world (net) (4–7)	9.6	12.3	2.7
6	Personal saving (5–4)	285.6	283.0	–2.6
	PERSONAL TAXES, OUTLAYS, AND SAVING	**5,277.2**	**5,266.1**	**–11.1**

Line		Presently published	Preliminary revised	Revision
7	Wage and salary disbursements (1–3)	2,986.4	2,986.4	0
8	Other labor income (1–7)	351.3	351.3	0
9	Proprietors' income with inventory valuation and capital consumption adjustments (1–8).	423.8	423.9	.1
10	Rental income of persons with capital consumption adjustment (1–9).	79.4	73.2	–6.2
11	Personal dividend income	159.4	159.4	0
12	Dividends (1–15)	169.5	169.5	0
13	*Less*: Dividends received by government (3–6)	10.1	10.1	0
14	Personal interest income	667.2	662.2	–5.0
15	Net interest (1–19)	414.3	409.3	–5.0
16	Net interest paid by government (3–5)	141.2	141.2	0
17	Interest paid by persons (2–4)	111.7	111.7	0
18	Transfer payments to persons	858.2	858.2	0
19	From business (1–22)	22.5	22.5	0
20	From government (3–3)	835.7	835.7	0
21	*Less*: Personal contributions for social insurance (3–17)	248.4	248.4	0
	PERSONAL INCOME	**5,277.2**	**5,266.1**	**–11.1**

Table A.—Summary National Income and Product Accounts, 1992—Continued

Line		Presently published	Preliminary revised	Revision	Line		Presently published	Preliminary revised	Revision
	Account 3.—Government Receipts and Expenditures Account								
1	Consumption expenditures (1–50)	1,054.7	1,052.7	–2.0	12	Personal tax and nontax payments (2–1)	650.5	650.5	0
2	Transfer payments	852.3	852.6	.3	13	Corporate profits tax liability (1–13)	143.0	143.0	0
3	To persons (2–20)	835.7	835.7	0					
4	To the rest of the world (net) (4–8)	16.6	16.9	.3	14	Indirect business tax and nontax liability (1–24)	505.6	505.6	0
5	Net interest paid (2–16)	141.2	141.2	0	15	Contributions for social insurance	571.4	571.4	0
					16	Employer (1–6)	323.0	323.0	0
6	*Less*: Dividends received by government (2–13)	10.1	10.1	0	17	Personal (2–21)	248.4	248.4	0
7	Subsidies less current surplus of government enterprises (1–25)	27.1	27.1	0					
8	*Less*: Wage accruals less disbursements (1–4)	0	0	0					
9	Current surplus or deficit (–), national income and product accounts (5–12).	–194.6	–192.9	1.7					
10	Federal	–280.9	–279.2	1.7					
11	State and local	86.3	86.3	0					
	GOVERNMENT CURRENT EXPENDITURES AND SURPLUS	**1,870.6**	**1,870.6**	**0**		**GOVERNMENT RECEIPTS**	**1,870.6**	**1,870.6**	**0**
	Account 4.—Foreign Transactions Account								
1	Exports of goods and services (1–48) [1]	639.4	637.4	–2.0	4	Imports of goods and services (1–49) [1]	669.0	666.5	–2.5
2	Receipts of factor income (1–32)	137.9	138.5	.6	5	Payments of factor income (1–33)	126.8	126.3	–.5
3	Capital grants received by the United States (net) (5–13)	0	0	0	6	Transfer payments to the rest of the world (net)	32.0	34.7	2.7
					7	From persons (net) (2–5)	9.6	12.3	2.7
					8	From government (net) (3–4)	16.6	16.9	.3
					9	From business (1–23)	5.8	5.5	–.3
					10	Net foreign investment (5–3)	–50.5	–51.6	–1.1
	RECEIPTS FROM THE REST OF THE WORLD	**777.3**	**775.9**	**–1.4**		**PAYMENTS TO THE REST OF THE WORLD**	**777.3**	**775.9**	**–1.4**
	Account 5.—Gross Saving and Investment Account								
1	Gross private domestic investment (1–40)	790.4	796.4	6.0	4	Personal saving (2–6)	285.6	283.0	–2.6
2	Gross government investment (1–50)	209.1	205.1	–4.0	5	Wage accruals less disbursements (private) (1–4)	–15.8	–15.8	0
3	Net foreign investment (4–10)	–50.5	–51.6	–1.1	6	Undistributed corporate profits with inventory valuation and capital consumption adjustments.	115.5	116.5	1.0
					7	Consumption of fixed capital (1–26)	713.5	713.5	0
					8	Private (1–27)	585.4	585.4	0
					9	Government (1–28)	128.2	128.2	0
					10	General government (1–29)	110.2	110.2	0
					11	Government enterprises (1–30)	18.0	18.0	0
					12	Government current surplus or deficit (–), national income and product accounts (3–9).	–194.6	–192.9	1.7
					13	Capital grants received by the United States (net) (4–3)	0	0	0
					14	Statistical discrepancy (1–35)	44.8	45.8	1.0
	GROSS INVESTMENT	**949.1**	**950.0**	**.9**		**GROSS SAVING AND STATISTICAL DISCREPANCY**	**949.1**	**950.0**	**.9**

1. The preliminary revised values of exports and imports differ from those in the I-O accounts by U.S. goods returned from other countries, reexports of foreign goods, and foreign-to-foreign transactions. In the I-O accounts, these items are subtracted from both exports and imports.

NOTE.—Numbers in parentheses indicate accounts and items of counterentry in the accounts. For example, the counterentry for wage and salary disbursements (2–7), is in account 2 line 7.

Source: Presently published estimates appear in the August 1997 SURVEY OF CURRENT BUSINESS.

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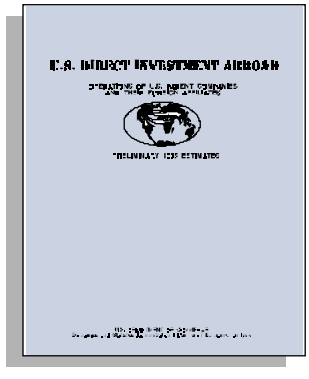

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Federal Personal Income Tax Liabilities and Payments, 1992–95

By Thae S. Park

THIS ARTICLE presents revised estimates of Federal personal income tax liabilities on a national income and product accounts (NIPA) basis for 1993–94 and new estimates for 1995 (table 1).[1] The NIPA estimates incorporate the results of the annual revision released in July 1997 and newly available tax return data from the Internal Revenue Service.[2] Revised estimates of Federal personal income taxes on a payments basis for 1993–96 were also released as part of the annual NIPA revision.[3]

1. For the estimates before 1993, see "Federal Personal Income Tax Liabilities and Payments, 1959–94," SURVEY OF CURRENT BUSINESS 76 (August 1996): 127–132.

2. See Internal Revenue Service, *Statistics of Income Bulletin* (Fall 1997).

3. For a discussion of the annual revisions to personal income for 1993–96, see Robert P. Parker and Eugene P. Seskin, "Annual Revision of the National Income and Product Accounts," SURVEY 77 (August 1997): 22–23.

Table 1.—Federal Personal Income Tax Liabilities and Payments, 1992–95

[Billions of dollars; quarterly data are seasonally adjusted at annual rates]

	Federal personal income taxes			Disposable personal income (DPI)	
	Liabilities basis [1]	Payments basis [2]	Difference	Alternative DPI with NIPA Federal personal income taxes on a liabilities basis	Published DPI with NIPA Federal personal income taxes on a payments basis [3]
1992	484.5	478.1	6.4	4,620.3	4,626.7
1993	509.5	508.1	1.4	4,827.9	4,829.2
1994	540.4	545.3	–4.9	5,057.6	5,052.7
1995	594.2	588.7	5.5	5,350.1	5,355.7
1992:I	467.5	468.4	–.9	4,528.4	4,527.5
II	478.1	469.7	8.4	4,589.3	4,597.7
III	484.0	477.8	6.2	4,620.9	4,627.1
IV	508.5	496.6	11.9	4,742.5	4,754.5
1993:I	483.1	487.2	–4.1	4,711.1	4,707.0
II	507.4	505.0	2.4	4,816.1	4,818.5
III	513.1	512.8	.3	4,848.4	4,848.7
IV	534.3	527.5	6.8	4,935.9	4,942.8
1994:I	513.2	524.8	–11.6	4,915.0	4,903.4
II	537.9	556.3	–18.4	5,034.5	5,016.1
III	547.2	545.3	1.9	5,096.2	5,098.2
IV	563.2	554.8	8.4	5,184.7	5,193.1
1995 I	576.9	565.2	11.7	5,274.8	5,286.6
II	587.3	592.0	–4.7	5,324.3	5,319.6
III	599.7	590.0	9.7	5,370.5	5,380.2
IV	613.0	607.7	5.3	5,431.0	5,436.2

1. This series is derived by the Bureau of Economic Analysis based on data from *Statistics of Income: Individual Income Tax Returns.*

2. This series appears in table 3.2 of the "Selected NIPA Tables" in the SURVEY OF CURRENT BUSINESS.

3. This series appears in table 2.1 of the "Selected NIPA Tables" in the Survey.

NIPA National income and product account

The first section of the article discusses the use of the tax liabilities estimates and the sources of the differences between liabilities and payments. The second section presents estimates of tax liabilities for 1992–95 and discusses the sources of the differences for these years. The third section discusses the sources of the revisions to the estimates for 1993–94. The appendix describes the methods used to prepare the series for Federal personal income tax payments and liabilities.

Payments and liabilities

In the NIPA's, Federal personal income tax payments are recorded on a payments basis. As shown below, these payments have three components: Withheld income taxes; declarations and settlements, or "nonwithheld" taxes; and refunds.[4]

Federal Personal Income Tax Payments

[Billions of dollars]

	1992	1993	1994	1995
Federal personal income taxes	478.1	508.1	545.3	588.7
Withheld	409.4	434.8	466.4	501.6
Declarations and settlements	149.3	149.4	157.2	174.6
Less: Refunds	80.6	76.1	78.3	87.5

Withhelx income taxes are those withheld at the source of the income, mainly on wage and salary income. Declarations are estimated tax payments, mostly on income that is not subject to withholding, such as capital gains and self-employment income. Settlements are additional taxes that are paid when tax returns are filed or as the result of audits. Refunds of excess payments, including excess social security taxes, are recorded as negatives in the payments series when the refunds are made.

For certain purposes, payments data may not be the most appropriate basis of measurement. For example, households may base their consumption decisions, especially about major purchases, on their disposable income calculated net

4. The estimates of these components are published annually in NIPA table 3.4, most recently in the August 1997 SURVEY. Quarterly estimates of Federal personal income taxes are published monthly in NIPA table 3.2 in the section "BEA Current and Historical Data."

of tax liabilities rather than net of tax payments. As a result, liabilities may be the more appropriate basis for analyzing the impact of taxes on consumption and for analyzing fiscal policy.[5]

The following paragraphs identify the sources of differences between liabilities and payments both for income that is subject to withholding and for income that is not subject to withholding.

Income subject to withholding.—For wages and salaries that are subject to withholding, differences between liabilities and payments arise for several reasons. The most important of these reasons is that the withholding tables that are issued by the Internal Revenue Service and that are used by employers to calculate the amounts to be withheld on wages and salaries are based on two simplifying assumptions.

The first assumption is that taxpayers use the standard deduction in calculating their income tax liabilities. However, for taxpayers who itemize deductions, overwitholding will occur if they underestimate the number of additional withholding allowances that are necessary to offset the excess of their estimated itemized deductions over the standard deduction.[6]

The second assumption is that wages are constant throughout the year. Overwithholding may result when wages vary widely within the year and are therefore subject to varying withholding rates.

There are several other reasons for the differences between liabilities and payments. Overwithholding can occur because of the use of withholding for forced savings and the failure to estimate growth in itemized deductions.

Overwithholding may also occur because, for certain payments, withholding is based on flat rates rather than on the withholding-table rates. At the option of the employer, withholding may be based on a flat 28 percent for supplemental wages (such as bonuses, commissions, and overtime pay) and on a flat 20 percent for taxable fringe benefits. For interest, dividends, and certain other types of income, 31 percent is withheld if the recipient fails to furnish an accurate taxpayer identification number (this withholding was initiated in 1984 as a compliance measure). For certain gambling winnings of more than $5,000, withholding must be at a flat 28 percent. These treatments will cause overwitholding when the income is actually taxed at a lower rate.

Payments and liabilities may differ because withholding tables may not always be updated to coincide with changes in liabilities: Tax law provisions are usually effective on January 1, but the tables are sometimes updated later. The tables are usually updated to reflect changes in the standard deduction, exemptions, and tax rates, but they are not usually updated to reflect changes in the provisions affecting itemized deductions or adjustments to gross income.

Differences may also arise because, for pensions and annuities and for sick pay from other than an employer, withholding is at the taxpayer's option.

For all these reasons, there has been persistent overwitholding of taxes on income subject to withholding despite an attempt to reduce overwitholding through the redesign of the withholding tables in 1992. Much of this overwithholding on withheld income may not, on net, represent overwithholding on total income (that is, total payments in excess of total liabilities). Individuals may choose to withhold more than would be required on the basis of their wage and salary income and other withheld income in order to offset expected taxes on capital gains and other nonwithheld income; as a result, payments and liabilities on total income will be roughly equal at the end of the quarter or the tax year. This type of overwithholding may help explain the tendency for withheld income taxes to rise in relation to wage and salary income during periods of rapid appreciation in the stock market.

Income not subject to withholding.—For income that is not subject to withholding (such as self-employment income, capital gains, taxable social security benefits, and most interest, dividends, and pensions and annuities), differences arise for two reasons. First, the proportion of the current year's liabilities that must be paid in estimated taxes to avoid a penalty is less than 100 percent. Second, settlements and the last installment of quarterly estimated taxes are due in the year after the liabilities were incurred. Refunds also are made in the year after the liabilities were incurred. Quarterly estimated taxes, settlements, and refunds are recorded in the payments series in the calendar months in which they are received or paid by the Treasury Department. As a result, payments of nonwithheld taxes during a year may not reflect that year's income.

5. The BEA series for Federal personal income tax liabilities is derived primarily from the estimates of "total income tax" from the Internal Revenue Service's, *Statistics of Income: Individual Income Tax Returns (SOI)*. The SOI's total income tax is the sum of income tax after credits and the alternative minimum tax and is on a liabilities basis.

6. Employees must fill out "Employee's Withholding Allowance Certificate" (Form W-4) so that their employers can withhold the correct amount of Federal income tax from their pay. The number of withholding allowances may be based on estimated itemized deductions or adjustments to gross income, in addition to the number of personal and dependency exemptions and filing status.

As a result of these factors, nonwitheld tax payments (declarations and settlements) tend to be less than liabilities. However, as noted earlier, overwitholding on wage and salary income tends to offset much of this shortfall, and the net difference between total payments and total liabilities is smaller than the difference that would be expected by an examination of only withheld income taxes or nonwitheld income taxes.

In addition to the timing differences between payments and liabilities in withheld and nonwithheld income taxes, there are measurement errors that cannot be isolated from the timing-basis differences just discussed. These errors include sampling and nonsampling errors with the *Statistics of Income (SOI)* sample, reporting and processing errors with the financial statements for the Federal Government and with employment tax return tabulations from the Social Security Administration, and estimating errors with the NIPA payments series and with the liabilities series.

Tax liabilities for 1992–95

Liabilities exceeded payments in 1992, 1993, and 1995, and payments exceeded liabilities in 1994.[7] The excess of liabilities for 1992 was partly due to the introduction of "new" withholding tables that reduced the extent of overwithholding. The new tables, which became effective for wages paid after February 1992, did not affect 1992 tax liabilities, but they reduced 1992 tax payments.

Both the excess of liabilities for 1993 and the excess of payments for 1994 were partly due to provisions of the Omnibus Budget Reconciliation Acx of 1993; retroactive to January 1, 1993, these provisions increased the marginal tax rates for high-income individuals, but they did not update the withholding tables to reflect the changes in liabilities. These individuals were given the option to pay their additional 1993 income taxes in three equal annual installments in 1994, 1995, and 1996. The *SOI* data show that about $4 billion of the 1993 income taxes was deferred to each year.

For 1995, tax liabilities exceeded tax payments by $5.5 billion. The excess reflected a large increase in nonwage income. Because most of this income is not subject to withholding, much of the increase in income tax liabilities on this income was paid when tax returns were filed in 1996. The *SOI* data show that nonwage income increased 11.9 percent in 1995, compared with a 5.8-percent increase in wage income; taxable interest increased 22.7 percent, and capital gains increased 16.4 percent. (In 1994, nonwage income increased 4.7 percent, and wage income increased 6 percent; in 1993, nonwage income increased 3.1 percent, and wage income increased 1 percent.)

Sources of revisions for 1993–94

The revisions to the annual liabilities and payments series for 1993–94 reflect the incorporation of revised estimates from the annual revision of the NIPA's. The revision to the annual tax liabilities for 1994 also reflects the incorporation of revised *SOI* data. The revisions to the annual liabilities and the annual payments are largely offsetting, so the revisions to the difference between the two series are small (table 2). The revisions to the quarterly liabilities reflect the pattern of the revisions to the quarterly NIPA estimates of personal income.

7. The differences for prior years are explained in various SURVEY articles. For example, see "Federal Income Tax Liabilities and Payments, 1986–91," SURVEY 72 (August 1992): 34–35; and "Federal Personal Income Tax Liabilities and Payments, 1990–92," SURVEY 73 (November 1993): 67.

Table 2.—Revisions to Federal Personal Income Tax Liabilities and Payments, 1993–94

[Billions of dollars; quarterly data are seasonally adjusted at annual rates]

	Liabilities basis			Payments basis			Difference		
	Previously published	Revised	Revision	Previously published	Revised	Revision	Previously published	Revised	Revision
1993	510.4	509.5	–0.9	509.2	508.1	–1.1	1.2	1.4	0.2
1994	539.2	540.4	1.2	544.5	545.3	.8	–5.3	–4.9	.4
1993:I	486.3	483.1	–3.2	487.8	487.2	–.6	–1.5	–4.1	–2.6
II	506.6	507.4	.8	506.7	505.0	–1.7	–.1	2.4	2.5
III	514.2	513.1	–1.1	514.7	512.8	–1.9	–.5	.3	.8
IV	534.3	534.3	0	527.6	527.5	–.1	6.7	6.8	.1
1994:I	508.6	513.2	4.6	522.6	524.8	2.2	–14.0	–11.6	2.4
II	539.3	537.9	–1.4	553.0	556.3	3.3	–13.7	–18.4	–4.7
III	546.9	547.2	.3	544.0	545.3	1.3	2.9	1.9	–1.0
IV	562.1	563.2	1.1	558.4	554.8	–3.6	3.7	8.4	4.7

Appendix: Estimating Methods

The appendix describes the methods used to derive the Federal personal income tax payments and liabilities series.

Tax payments

The series for Federal personal income tax payments is presented in NIPA tables 3.2 and 3.4. As mentioned earlier, Federal personal income taxes consists of three components: Withheld taxes, declarations and settlements, and refunds.

The NIPA series is derived primarily from financial statements for the Federal Government and from tabulations of employment tax returns from the Social Security Administration.[8] The three components of the payments series are estimated separately.

The NIPA estimates of withheld income taxes are based on data on withheld taxes from the *Monthly Treasury Statement of Receipts and Outlays of the United States Government (MTS)* and from other Treasury Department sources. The Treasury Department's data are on a collections (when-received) basis and are the combination of withheld individual income taxes and withheld social security taxes (including employer taxes). BEA makes quarterly adjustments to account for the lag between the date that the taxes are paid by individuals (payday) and the date that the payment is received by the Treasury Department from employers. The NIPA estimates of withheld income taxes are derived from the adjusted data by subtracting (1) estimates of withheld social security taxes from Social Security Administration tabulations of employment tax returns filed by employers, (2) estimates of interest charges on late taxes from the Internal Revenue Service (IRS), and (3) estimates from BEA's balance of payments accounts of withheld taxes paid by taxpayers who are considered nonresidents of the United States.

The NIPA estimates of nonwithheld income taxes are based on *MTS* data on the collections of "other" individual income taxes, contributions to presidential election campaign funds, and social security taxes under the Self-Employment Contributions Act (SECA). (No timing adjustment is made for nonwithheld taxes, because it is assumed that they are paid when received by the Treasury.) The NIPA estimates of nonwithheld income taxes are derived from this total by subtracting (1) estimates of SECA taxes from the Social Security Administration, (2) estimates of interest charges on late taxes from the IRS, and (3) estimates from BEA's balance of payments accounts of nonwithheld taxes paid by nonresidents of the United States and by adding a small amount of "excise" taxes paid by exempt organizations.

The NIPA estimates of refunds are also based on *MTS* data.

Tax liabilities

The BEA series for Federal personal income tax liabilities is derived primarily from *SOI* estimates of "total income tax," which are based on a sample of individual income tax returns before audits. The *SOI* estimates are adjusted as follows so that the coverage of the liabilities series will be comparable with that of the NIPA payments series (table 3).

8. The U.S. Department of the Treasury, Financial Management Service, *Monthly Treasury Statement of Receipts and Outlays of the United States Government* and unpublished detail; and U.S. Department of Health and Human Services, Social Security Administration, *Social Security Bulletin: Annual Statistical Supplement.*

Table 3.—Coverage Adjustments in the Derivation of BEA Federal Personal Income Tax Liabilities, 1992–95

[Billions of dollars]

	SOI total income tax [1]	Plus:						Less:				Equals: BEA Federal personal income tax liabilities
		Recapture tax [2]	Penalties related to retirement plans and other taxes [3]	Estimated tax penalty [4]	Exempt organizations excise tax [5]	Fiduciary income tax	Additional assessments net of refunds	EIC used to offset non-income taxes	Excess social security taxes withheld	Taxes paid by non-resident U.S. citizens abroad	Rebate	
1992	476.2	0	1.5	0.6	0.3	6.1	2.6	1.0	0.8	1.0	.....	484.5
1993	502.8	0	1.4	.6	.3	6.0	1.8	1.2	.9	1.4	.....	509.5
1994	534.9	0	1.5	.7	.2	6.2	1.2	1.7	.9	1.7	.....	540.4
1995	588.4	0	1.9	.9	.3	5.2	2.4	2.0	1.1	1.8	.....	594.2

1. *SOI* estimates of total income tax are the sum of income tax after credits and the alternative minimum tax (or the additional tax for tax preferences).
2. Recapture taxes from recomputing prior year investment, work inventive, and other recapture credits.
3. Includes penalty tax on early or excess distributions from individual retirement accounts, from qualified employer plans, from qualified annuity plans, and from tax-sheltered annuity plans. Also includes uncollected social security taxes on tips and on group-term life insurance, penalty tax on excess golden parachute payments, and Sec 72(m)(5) penalty taxes on excess distributions from qualified pensions or annuity plans of the self-employed.
4. Predetermined penalty for underpaying estimated taxes, calculated by the taxpayer when the return was initially filed.
5. Includes a 2-percent excise tax on the net investment income of private foundations and other penalty taxes of private foundations.

BEA Bureau of Economic Analysis
EIC Earned income credit
SOI *Statistics of Income*

First, recapture taxes, penalties and other taxes (related to retirement plans, to the underpayment of estimated taxes, to uncollected employee social security taxes on tips and on group-term life insurance, and to excess "golden parachute payments"), and exempt organizations excise taxes are added to the *SOI* estimates; excess social security taxes and the earned income credit (EIC) that is used to offset nonincome taxes are then subtracted.[9] Second, fiduciary income taxes are added, because personal income includes fiduciary income.[10]

Third, additional assessments from audits, net of refunds on amended returns (Form 1040X), are added because they are excluded from the *SOI* estimates. Fourth, income taxes paid by U.S. citizens living abroad for more than a year are subtracted, because these citizens are considered nonresidents of the United States. The *SOI* estimates include these taxes, because these citizens are generally taxed on their worldwide income regardless of the geographic sources of their income and regardless of how long they have been living abroad.

The quarterly estimates of personal income tax liability are derived by interpolation of the annual estimates; quarterly estimates of selected components of NIPA personal income are used as indicators. The quarterly estimates of withheld personal income tax payments are interpolated using quarterly NIPA wage and salary disbursements as an indicator. The combined quarterly estimates of declarations and settlements less refunds are interpolated without an indicator, but allowances are made for changes in tax laws.

9. The EIC is available to low-income workers whose earned income and adjusted gross income are both less than certain threshold levels ($9,230 with no children, $24,396 with one qualifying child, and $26,673 with more than one qualifying child for 1995); the EIC is intended primarily to offset the social security taxes on these workers. The EIC is first used to reduce income taxes, and then, if it is large enough, it is used to reduce nonincome taxes. Any EIC in excess of total tax liability is refundable. The refundable portion is included in the transfer payments component of personal income rather than as a negative income tax in the payments series.

10. In the NIPA's, persons consist of individuals, nonprofit institutions that primarily serve individuals, private noninsured welfare funds, and private trust funds.

Benchmark Input-Output Accounts for the U.S. Economy, 1992

Requirements Tables

By Ann M. Lawson

THIS ARTICLE is the second of two articles that present the 1992 benchmark input-output (I-O) accounts for the U.S. economy. Last month's article discussed the procedures used for the 1992 benchmark accounts and described the concepts and methods underlying the accounts; it presented, and illustrated how to use, the I-O make (production) table (table 1) and the use (consumption) table (tables 2.1 and 2.2).[1] This article presents, and illustrates how to use, the three remaining basic I-O tables: The commodity-by-industry direct requirements for a dollar of industry output; the commodity-by-commodity total requirements, direct and indirect, for a dollar of delivery to final use; and the industry-by-commodity total requirements, direct and indirect, for a dollar of delivery to final use.

The I-O requirements tables are an important analytical tool because they show the interdependence among the producers and consumers in the economy. Using these tables, analysts can estimate the direct and indirect effects of changes in final uses on industries and commodities. For example, these tables can be used to analyze the relative effects on industries and commodities of a decrease in Federal Government consumption expenditures or of a change in the composition of personal consumption expenditures that results from a change in consumer tastes.[2]

The commodity-by-industry direct requirements table

The commodity-by-industry direct requirements for a dollar of industry output are presented in two parts: Table 3.1 shows the input coefficients for each commodity that an industry requires to produce a dollar of output; table 3.2 shows component detail for the value-added input coefficients that an industry requires to produce a dollar of output. The input coefficients in both tables are also referred to as "direct requirements coefficients." The sum of the coefficients for total intermediate inputs and for the total value added for each industry is equal to 1.00000.

Tables 3.1 and 3.2 are derived from tables 2.1 and 2.2, respectively, by dividing each industry's commodity or value-added input by that industry's total output. However, table 3.1, unlike table 2.1, does not include the components of final uses or gross domestic product.

In table 3.1, each column shows, for the industry named at the head of the column, the input coefficients for the commodities and for the total value added that an industry directly requires to produce a dollar of output. Each row shows the commodity or the total value added that the industry requires. For example, to produce a dollar of output, the industry "radio and TV broadcasting" (column 67) has direct requirements for 2.1 cents (calculated as 100 cents × 0.02064 from the table) of the commodity "radio and TV broadcasting" (row 67) and 2.8 cents of the commodity "advertising" (row 73D).

In table 3.2, industries are shown in the rows, and the total output, the total intermediate inputs, and the components of value added that are required to produce a dollar of output are shown in the columns. For example, to produce a dollar of output, the industry "radio and TV broadcasting" (row 67) has direct requirements for 40.2 cents of total value added; these requirements consist of 28.6 cents of compensation of employees, 1.8 cents of indirect business tax and nontax liability, and 9.8 cents of "other value added." The industry has direct requirements for 59.8 cents of intermediate inputs, which are shown in detail in column 67 of table 3.1.

1. Ann M. Lawson, "Benchmark Input-Output Accounts for the U.S. Economy, 1992: Make, Use, and Supplementary Tables," SURVEY OF CURRENT BUSINESS 77 (November 1997): 36–82.

2. As noted in last month's article, analysts using the I-O tables to estimate the effects of changes in final uses on industries and commodities need to be aware of the underlying I-O assumptions. For example, the I-O tables are based on a set of relationships that exist between producers and consumers in a given year; these relationships reflect constant technology and relative prices. The interindustry relationships reflect the average input structure in each industry for that year, but these relationships do not necessarily reflect those of an additional unit of production. Therefore, for analyses that require alternative assumptions, other economic tools may be required.

The information in table 3.1 can be used with the information in the make table (table 1 in last month's article) to trace the changes in an industry's output, as well as the changes in that industry's total requirements for other industries' output that result from a change in final uses of a commodity. For example, tables 1 and 3.1 can be used to trace the direct effects of a $1 billion increase in sales of household appliances to final users on all industries producing household appliances.

In table 1, the total output of the commodity "household appliances" (column 54) was $16,833 million. The industry "household appliances" (row 54) produced $16,033 million, or 95.2 percent, of this commodity; the industry "audio, video, and communication equipment" (row 56) produced $268 million, or 1.6 percent, and 18 other industries produced the rest. Based on these proportions, production in the household appliances industry would initially increase $952 million ($1 billion × 0.952) to meet the $1 billion increase in household appliances sold to final users. Production in the audio, video, and communication equipment industry would increase $16 million ($1 billion × 0.016), and production in the 18 other industries would increase $32 million.

Table 3.1 can then be used to determine the commodity inputs required by each industry to produce its share of the $1 billion of household appliances sold to final users. The commodities required by the household appliances industry will be traced first. For example, column 54 in table 3.1 shows that the household appliances industry would require, in addition to other commodity inputs, $1.2 million ($952.0 million × 0.00126) of the commodity "household appliances" (row 54); to provide this commodity input, the industry's production would have to increase an additional $1.1 million ($1.2 million × 0.952). Thus, the increase in the production of the household appliances industry would be $953.1 million ($952.0 million for final users plus $1.1 million for its own intermediate use). In turn, this production would require $65.1 million ($953.1 million × 0.06835) of primary iron and steel manufacturing (row 37), $83.0 million ($953.1 million × 0.08710) of rubber and miscellaneous plastics products (row 32), and so on down the column. From table 3.2, the value added required by the household appliances industry would total $335.9 million ($953.1 million × 0.35243). Of this total, $200.9 million ($953.1 million × 0.21075) is for compensation of employees, $7.4 million ($953.1 million × 0.00781) is for indirect business tax and nontax liability, and $127.6 million ($953.1 million × 0.13387) is for "other value added."

Data Availability

This article presents the summary estimates of the 1992 benchmark input-output (I-O) accounts in the requirements tables for 97 industries. The summary estimates of the accounts in the make of commodities (production) by industries and the use of commodities (consumption) by industries was presented in the November 1997 SURVEY OF CURRENT BUSINESS.

These summary estimates and more detailed estimates for 498 industries at the I-O six-digit level, including a discussion of the matrix algebra underlying the derivation of the tables, are available on the following diskettes:

- The summary estimates for the make, use, and requirements tables, including estimates of make and use on an approximate 1987 Standard Industrial Classification (SIC) basis—product number NDN–0180, one diskette for $20
- The estimates of make, use, and direct requirements at the I-O six-digit level—product number NDN–0178, three diskettes for $60
- The alternative estimates of make and use on an approximate SIC basis at the I-O six-digit level—product number NDN–0179, two diskettes for $40
- The estimates of industry-by-commodity total requirements at the I-O six-digit level—product number NDN–0183, two diskettes for $40
- The estimates of commodity-by-commodity total requirements at the I-O six-digit level—product number NDN–0184, two diskettes, for $40
- The estimates of the I-O commodity composition of final demand in the national income and product accounts (NIPA's) at the I-O six-digit level—product number NDN–0185, one diskette for $20
- The estimates of the I-O commodity composition of NIPA personal consumption expenditures and producers' durable equipment at the I-O six-digit level—product number NDN–0186, one diskette for $20

To order these diskettes using MasterCard or Visa, call the BEA Order Desk at 1–800–704–0415 (outside the United States, call 202–606–9666). To order by mail, send a check payable to "Bureau of Economic Analysis, BE–53" to BEA Order Desk, Bureau of Economic Analysis, BE–53, U.S. Department of Commerce, Washington, DC 20230.

The information in tables 1 and 3.1 can now be used to trace the continuing repercussions of the $953.1 million of additional output produced by the household appliances industry on the output of other industries. For example, to supply the primary iron and steel required by the household appliances industry, the industry "primary iron and steel manufacturing" (column 37 in table 3.1) requires $12.0 million ($65.1 million × 0.18508) of the commodity "primary iron and steel manufacturing" (row 37 in table 3.1)—of which it produces $11.8 million ($12.0 million × 0.987 derived from table 1) and all other industries produce $0.2 million ($12.0 million × 0.013). Other commodities required by the primary iron and steel manufacturing industry include $1.3 million ($76.9 million × 0.01663) of general industrial machinery and equipment (row 49), $1.4 million ($76.9 million × 0.01762) of coal mining (row 7), and so on. Similarly, all the other industries that produce primary iron and steel manufacturing (column 37 in table 1) as secondary products—such as primary nonferrous metals manufacturing (row 38 in table 1)—would also require commodities to produce their shares of the output of primary iron and steel manufacturing that is required by the household appliances industry.

Similarly, the continuing effects on each industry producing its share of the $1 billion of household appliances sold to final users can be traced, and the increase in production required from each industry can be derived. For each industry that produces household appliances, either as a primary product or as a secondary product, the direct requirements coefficients corresponding to that industry are used from table 3.1. For example, for household appliances as a primary product of the household appliances industry, the direct requirements coefficients from column 54 in table 3.1 are used; for household appliances as a secondary product of the audio, video, and communication equipment industry, the coefficients from column 56 are used.

The total requirements tables

This section presents the two total requirements tables: The commodity-by-commodity total requirements table (table 4) and the industry-by-commodity total requirements table (table 5). These tables—which combine the information in tables 1 and 3.1—completely trace and summarize as a multiplier the continuing repercussions of a dollar change in the final use of a specified commodity.[3]

The commodity-by-commodity total requirements table.—Table 4 shows the inputs of each commodity that are directly and indirectly required to deliver a dollar of the commodity to final users. Each column shows the commodity delivered to final users, and each row shows the total production of the commodity that is required. The coefficients in this table are referred to as "commodity-by-commodity total requirements coefficients." The table is derived from both the make and use tables.

In the household appliances example, the total requirements for each commodity can be calculated from the entries in column 54. Providing consumers with $1 billion of household appliances would require $1,001.3 million ($1 billion × 1.00133) of household appliances (row 54) from all industries. Similarly, it would require $15.3 million ($1 billion × 0.01530) of paperboard containers and boxes (row 25), $51.5 million ($1 billion × 0.05153) of plastics and synthetic materials (row 28), and so on.

The total at the bottom of each column in table 4 is the sum of all the changes in commodity outputs that are required to deliver a dollar of a commodity to final users. Because each total change is a dollar multiple of the initial dollar spent for the output of the given commodity, the total change in output is often called the total commodity output multiplier.

These multipliers can be used to estimate the impact of changes in the final uses of commodities on total commodity output. For example, for the household appliances commodity (column 54), the total commodity output multiplier is 2.33419 (the sum of all the entries in the column). The total dollar change in all commodity output that is required for an additional $1 billion of household appliances delivered to final users is $2,334.2 million ($1 billion × 2.33419).

The industry-by-commodity total requirements table.—Table 5 shows the input requirements coefficients for the output from each industry that is directly and indirectly required to deliver a dollar of a commodity to final users. Each column

3. The final-use multipliers presented in this article identify the cumulative effects on total industry and commodity outputs that result from a change in final use. In contrast to conventional macroeconomic multipliers that measure the cumulative impact on final output of a policy change, such as the decline in GDP that results from a reduction in government spending, these final-use multipliers measure the impact of a change in final demand (uses) on gross output (final *and* intermediate output). Indeed, shifts in the composition of final uses can have a "multiple" impact on industry and commodity output but can have no effect on the level of total GDP.

shows the commodity delivered to final users, and each row shows the total production that is required from an industry. The coefficients in this table are referred to as "industry-by-commodity total requirements coefficients." The table is also derived from both the make and use tables.

The calculations made using this table are similar to those using the commodity-by-commodity total requirements table. For example, to provide final users with an additional $1 billion of household appliances, the household appliances industry (row 54) is required to produce $954.3 million ($1 billion × 0.95433) of industry output; the paperboard containers and boxes industry (row 25) is required to produce $15.5 million ($1 billion × 0.01545) of industry output, the plastics and synthetic materials industry (row 28) is required to produce $45.1 million ($1 billion × 0.04510) of industry output, and so on.

The total at the bottom of each column in table 5 is the sum of all the changes in industry outputs that are required to deliver a dollar of a commodity to final users. Because each total change is a dollar multiple of the initial dollar spent for the output of the given industry, the total change in output is often called the total industry output multiplier.

These multipliers can be used to estimate the impact of changes in the final uses of commodities on total industry output. For example, the total industry output multiplier for the household appliances commodity (column 54) is 2.31873 (the sum of all the entries in the column). The total dollar change in the output of all industries that is required for an additional $1 billion of household appliances delivered to final uses is $2,318.7 million ($1 billion × 2.31873).

Comparison of total multipliers.—The total multipliers in tables 4 and 5 are similar but not identical. The main reason for the difference is that the total commodity output multipliers in table 4 include "noncomparable imports," which by definition, do not have a domestic industry counterpart and are not included in the total industry output multipliers in table 5.

When using the two total requirements tables, one should be aware that the amount of output required to deliver a dollar of commodity to final users may include both imported commodities and domestically produced commodities. However, both the total commodity output multiplier and the total industry output multiplier represent the output required as if all of the commodity were domestically produced. Therefore, if a portion of the commodity was imported, the impact on domestic output would be lower than that implied by the multiplier.

Tables 3.1 through 5 follow.

Table 3.1.—Commodity-by-Industry

[Direct requirements per dollar

Commodity number	For the composition of inputs to an industry, read the column for that industry	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Nonmetallic minerals mining	New construction	Maintenance and repair construction	Ordnance and accessories	Food and kindred products
	Industry number	1	2	3	4	5+6	7	8	9+10	11	12	13	14
1	Livestock and livestock products	0.13260	0.00005	0.00687	0.02379								0.17618
2	Other agricultural products	.24236	.02811		.11185			.00001		.00266	.00297		.07776
3	Forestry and fishery products			.02725	.00135								.00731
4	Agricultural, forestry, and fishery services	.04426	.07191	.21044	.00538	.00149	.00063	.00003	.00044	.00292	.00366	.00097	.00029
5+6	Metallic ores mining					.19379							
7	Coal mining					.00140	.11301		.00424			.00008	.00049
8	Crude petroleum and natural gas							.19262					
9+10	Nonmetallic minerals mining	.00008	.00267		.00007	.00065	.00037		.03464	.00720	.00969		
11	New construction									.00037			
12	Maintenance and repair construction	.01090	.01176	.03485	.01027	.01916	.00260	.02176	.00738	.00059	.00069	.00571	.00417
13	Ordnance and accessories											.01405	
14	Food and kindred products	.17456		.03235	.00333								.15563
15	Tobacco products												
16	Broad and narrow fabrics, yarn and thread mills		.00247				.00312					.00054	
17	Miscellaneous textile goods and floor coverings	.00152	.00197	.00583	.00283					.00260	.00297		.00005
18	Apparel						.00011	.00001				.00050	
19	Miscellaneous fabricated textile products		.00151	.00094	.00297					.00064	.00081		.00018
20+21	Lumber and wood products	.00048	.00425			.00335	.00249	.00001		.05111	.06469	.00202	.00018
22+23	Furniture and fixtures									.00295	.00002		
24	Paper and allied products, except containers	.00231	.00232	.00177	.00025	.00037	.00015	.00001	.00066	.00396	.00273	.00027	.01261
25	Paperboard containers and boxes	.00007	.00672	.00239	.00481	.00037	.00022	.00002	.00015	.00058	.00064	.00194	.01929
26A	Newspapers and periodicals	.00008	.00007		.00018		.00004	.00002	.00132			.00012	.00001
26B	Other printing and publishing	.00007	.00007	.00094	.00021		.00004	.00001	.00007	.00029	.00035		.00291
27A	Industrial and other chemicals	.00132	.00057	.00031	.00018	.04791	.00903	.01114	.01878	.00356	.00313	.00804	.00518
27B	Agricultural fertilizers and chemicals	.00235	.07718	.00291	.07706	.00009	.00007			(*)		.00082	(*)
28	Plastics and synthetic materials											.00311	.00040
29A	Drugs	.00315			.00004								.00313
29B	Cleaning and toilet preparations	.00071		.00146				.00005		.00032	.00050		.00118
30	Paints and allied products				.00025			.00001		.00899	.00932	.00031	
31	Petroleum refining and related products	.00870	.02712	.03568	.00619	.02428	.02352	.00600	.03603	.01192	.02026	.00256	.00314
32	Rubber and miscellaneous plastics products	.00433	.00559	.00073	.00113	.00837	.00903	.00014	.01074	.01540	.01753	.01390	.01806
33+34	Footwear, leather, and leather products	.00038						.00001					
35	Glass and glass products	.00009			.00039			.00002	.00051	.00231	.00070		.00983
36	Stone and clay products		.00126		.00018	.00540	.00386	.00179		.05128	.02799	.00140	.00003
37	Primary iron and steel manufacturing	.00012	.00016			.02670	.00305	.01130	.01169	.00810	.00683	.01436	
38	Primary nonferrous metals manufacturing				.00007		.00048			.00762	.00754	.01790	
39	Metal containers			.00021									.02307
40	Heating, plumbing, and fabricated structural metal products	.00022	.00023			.00754	.00264	.00036	.00373	.05152	.04206		
41	Screw machine products and stampings	.00037				.00121	.00498		.00080	.00062	.00050	.00660	.00147
42	Other fabricated metal products	.00152	.00239	.00083	.00237	.00019	.00234	.00425	.00066	.02006	.01643	.00939	.00301
43	Engines and turbines			.00125		.00251	.00346	.00021	.00307			.00085	.00001
44+45	Farm, construction, and mining machinery	.00276	.00632	.00416	.00078	.02940	.03284	.00273	.03713	.00198	.00183		
46	Materials handling machinery and equipment					.00614	.00583	.00049	.01367	.00290	.00010		
47	Metalworking machinery and equipment	.00034	.00042		.00004	.00065	.00019	.00018	.00022	.00070	.00047	.00144	.00011
48	Special industry machinery and equipment				.00004					(*)	.00002	.00314	.00031
49	General industrial machinery and equipment	.00034	.00066	.00010	.00007	.00326	.00828	.00098	.00687	.00721	.00286	.01060	.00055
50	Miscellaneous machinery, except electrical	.00055	.00127	.00010	.00046	.00214	.00424	.00160	.00102	.00052	.00003	.00625	.00042
51	Computer and office equipment												
52	Service industry machinery			.00021	.00007		.00015	.00004	.00015	.01098	.01062		.00011
53	Electrical industrial equipment and apparatus	.00010	.00020	.00031		.00140	.00197	.00067	.00322	.00590	.00462	.00644	.00024
54	Household appliances									.00207	.00248		
55	Electric lighting and wiring equipment	.00039	.00042	.00021	.00067		.00059	.00009	.00007	.01809	.01642	.00078	.00023
56	Audio, video, and communication equipment									.00415	.00282	.01091	
57	Electronic components and accessories											.05109	
58	Miscellaneous electrical machinery and supplies	.00203	.00458	.00052	.00103	.00028	.00026	.00009	.00088	.00214	.00197	.00027	.00004
59A	Motor vehicles (passenger cars and trucks)												
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00063	.00129	.00281	.00152	.00140	.00126	.00038	.00351	.00121	.00146	.00004	.00048
60	Aircraft and parts											.07671	
61	Other transportation equipment					.00019				.00014	.00016		
62	Scientific and controlling instruments			.00146	.00032	.00019	.00004	.00001		.00329	.00264	.03125	.00002
63	Ophthalmic and photographic equipment				.00028		.00011	.00010		.00011	.00010	.00023	.00002
64	Miscellaneous manufacturing	.00032	.00043		.00014	.00019	.00015	.00004	.00037	.00338	.00329		.00006
65A	Railroads and related services; passenger ground transportation	.01276	.00265	.00135	.00212	.00530	.02857	.00152	.00431	.00182	.00219	.00116	.00632
65B	Motor freight transportation and warehousing	.02112	.01055	.00270	.00878	.01330	.01155	.00239	.01659	.01541	.01583	.00691	.01508
65C	Water transportation	.00126	.00175	.01612	.00046	.00149	.00531	.00251	.00073	.00101	.00128		.00212
65D	Air transportation	.00016	.00076	.00333	.01165	.00316	.00353	.00233	.00278	.00140	.00147	.00446	.00340
65E	Pipelines, freight forwarders, and related services	.00098	.00019	.00010	.00007	.00009	.00019	.00009	.00015	.00002	.00003	.00004	.00003
66	Communications, except radio and TV	.00250	.00231	.00135	.00329	.00242	.00134	.00186	.00292	.00387	.00456	.00311	.00147
67	Radio and TV broadcasting												
68A	Electric services (utilities)	.01869	.00795	.00073	.00177	.07396	.02177	.01543	.04992	.00155	.00175	.00858	.00828
68B	Gas production and distribution (utilities)		.00290	.00021	.00007	.00716	.00130	.02677	.02003	.00025		.00171	.00405
68C	Water and sanitary services	.00117	.00502	.00156			.00011	.00079	.00058	.00111	.00134	.00089	.00129
69A	Wholesale trade	.05389	.05514	.02112	.03448	.02810	.03143	.00887	.03472	.03972	.03921	.02543	.05507
69B	Retail trade			.00208	.00028	.00140	.00137	.00120	.00329	.04023	.04519	.00012	.00186
70A	Finance	.00509	.00470	.00822	.00616	.00744	.00680	.00559	.00943	.00642	.00598	.00668	.00655
70B	Insurance	.00340	.00343	.00499	.00273	.00242	.00163	.00107	.00336	.00593	.00379	.00136	.00166
71A	Owner-occupied dwellings												
71B	Real estate and royalties	.04342	.08657	.00125	.00761	.00875	.02099	.16307	.01155	.00542	.00583	.00959	.00397
72A	Hotels and lodging places	.00027	.00033	.00291	.00152	.00298	.00301	.00251	.00278	.00089	.00100	.00303	.00260
72B	Personal and repair services (except auto)	.00028	.00066	.00062	.00255	.00047	.00030	.00011	.00029	.00053	.00066	.00089	.00114
73A	Computer and data processing services	.00058	.00055	.00135	.00057	.00214	.00085	.00109	.00380	.00074	.00091	.00870	.00165
73B	Legal, engineering, accounting, and related services	.00066	.00069	.02309	.01458	.01442	.01516	.01786	.00957	.06870	.03624	.00497	.00287
73C	Other business and professional services, except medical	.00470	.01036	.01654	.01087	.01247	.00747	.00364	.00877	.02920	.03319	.01545	.00996
73D	Advertising	.00012	.00021	.00062	.00358	.00047	.00052	.00121	.00314	.00075	.00084	.00485	.02584
74	Eating and drinking places	.00010	.00015	.00364	.00205	.00391	.00357	.00296	.00402	.00110	.00122	.00400	.00320
75	Automotive repair and services	.00202	.00454	.00572	.01313	.00456	.00167	.00107	.00219	.00657	.00816	.00206	.00375
76	Amusements			.00021	.00775	.00009	.00030	.00028	.00007	.00012	.00015	.00019	.00049
77A	Health services	.01545											
77B	Educational and social services, and membership organizations	.00059	.00058	.00260	.00064	.00167	.00197	.00076	.00058	.00006	.00005	.00070	.00061
78	Federal Government enterprises	.00010	.00009	.00062	.00099	.00084	.00004		.00058	.00102	.00123	.00016	.00041
79	State and local government enterprises	.00017	.00033	.00010	.00057	.00037	.00011	.00002		.00003	.00004	.00054	.00088
80	Noncomparable imports		.00042			.00781	.00085	.00980	.00146			.00023	.00122
81	Scrap, used and secondhand goods				.00007					.00001	.00001		
82	General government industry												
83	Rest of the world adjustment to final uses												
84	Household industry												
85	Inventory valuation adjustment												
I	Total intermediate inputs	.82948	.46682	.50005	.39889	.59717	.41286	.53200	.39965	.55625	.50602	.42038	.69392
VA	Value added	.17052	.53318	.49995	.60111	.40283	.58714	.46800	.60035	.44375	.49398	.57962	.30608
T	**Total** [1]	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**

* Less than .000005.

1. Detail may not add to 1 because of rounding.

Direct Requirements, 1992

of industry output, at producers' prices]

Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	News-papers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet prepar-ations	Paints and allied products	Com-modity number
15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	28	29A	29B	30	
...	0.00934	0.00296	0.00027	...	...	...	...	...	...	...	...	...	...	...	0.00103	...	1
.07709	.06464	.00262	.00081	...	...	...	.00011	...	...	...	.00534	...	...	.00219	...	...	2
...	...	...	.00282	...	.08125	.00012	...	...	...	.00005	.00026	.00056	.00002	.00035	...	.00049	3
.00010	.00024	.00028	.00016	.00026	.00029	.00051	.00041	.00025	.00046	.00026	.00042	.00039	.00033	.00048	.00033	.00028	4
...	...	...	...	...	...	...	...	...	...	...	.00960	.00095	...	...	...	.00141	5+6
.00065	.00065	.00080	.00029	.00016	.00005	.00028	.00367	.00078	...	...	.00187	.00163	.00121	.00029	.00023	.00014	7
...	...	...	...	...	...	...	...	...	...	...	.03148	.03500	.00493	...	...	...	8
...	...	...	...	...	...	...	.00325	...	...	...	.00918	.05148	...	.00002	.00033	.00028	9+10
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
.00214	.00528	.00927	.00404	.00336	.00329	.00430	.01210	.00498	.00584	.00511	.00994	.00830	.01039	.00726	.00543	.00366	12
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
...	...	.00063	...	...	...	.00123	.00641	...	...	...	.00330	.01610	.00108	.00345	.01012	.00909	14
.08340	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
...	.21085	.16917	.21456	.26770	...	.04484	.00109	...	...	.00065	...	...	.00019	...	...	...	16
.00010	.00146	.03129	.00033	.06088	.00195	.02627	.00667	...	.00007	.00037	.00001	...	.00002	.00013	.00030	...	17
...	.00082	...	.19754	.02299	.00008	.00007	.00005	...	...	...	...	...	.00004	...	...	...	18
.00005	...	.00011	.03197	.03186	.00002	.00047	.00002	...	...	...	.00001	...	...	.00003	.00010	...	19
.00002	...	...	.00001	.00184	.30111	.07711	.06533	.00116	.00019	.00006	.00034	...	...	.00002	.00005	...	20+21
...	...	...	...	...	.00085	.00980	...	...	...	...	...	...	...	...	...	...	22+23
.00272	.00072	.00159	.00108	.00068	.00056	.00233	.14722	.42122	.08974	.14571	.00264	.00264	.01582	.00244	.00295	.00014	24
.01126	.00106	.00267	.00146	.00210	.00267	.01580	.01311	.00241	.00026	.00446	.00484	.00454	.00441	.01059	.03793	.00007	25
...	...	.00006	...	...	.00015	.00005	.00007	.00066	.02026	.00148	.00007	...	.00004	.00010	.00003	...	26A
.00643	.00005	.00006	.00043	.00063	.00017	.00028	.00194	.00022	.06925	.11162	.00017	.00594	.00002	.00617	.00404	.00077	26B
.00010	.02267	.02207	.00007	.00572	.00508	.00161	.04711	.02070	.00725	.01789	.22937	.10914	.34005	.02440	.09738	.20390	27A
...	...	...	...	...	.00243	...	.00024	...	...	...	.00843	.11474	.00470	...	...	...	27B
.00705	.16506	.24255	.01215	.02073	.00372	.00300	.02441	.00473	...	.00006	.00783	...	.03312	...	...	.12516	28
...	...	...	...	...	...	...	...	...	...	...	...	...	...	.13347	...	...	29A
.00169	.00103	.00427	.00409	...	.00009	.00074	.00423	...	...	...	.00106	.00398	.00581	.00078	.05418	.00014	29B
...	...	...	...	...	.00166	.00917	.00009	.00332	.00002	.00003	.00482	...	.00033	...	.00028	.01782	30
.00137	.00353	.00415	.00213	.00236	.00718	.00505	.00642	.00748	.00196	.00196	.01721	.01026	.00414	.00132	.01067	.01000	31
.00560	.00468	.00967	.00500	.01784	.00934	.04440	.03329	.00457	.00034	.01234	.01133	.00836	.04211	.02093	.06135	.00007	32
...	...	...	.00373	.02257	.00010	.00105	...	...	.00002	.00002	...	...	...	...	...	...	33+34
...	.00716	.00057	...	...	.00312	.00393	...	...	...	...	.00097	.00090	.00015	.00408	.00540	.00021	35
.00007	.00002	...	...	...	.00398	.00282	.00083	...	...	.00002	.00109	.00168	.00017	.00018	.00008	.01303	36
...	...	.00011	...	...	.00044	.03762	.00029	.00730	.00002	.00025	.00290	.00006	.00002	...	.00003	.00035	37
...	...	...	...	...	.00020	.01021	.00090	.00222	...	.00043	.00008	...	...	...	...	.00007	38
...	...	...	...	...	...	...	...	...	...	...	.00589	.00477	.00008	.00129	.01088	.03522	39
...	...	...	...	...	.00564	...	...	...	...	...	...	...	...	...	...	...	40
...	...	...	...	...	.00405	.01110	.00005	.00056	...	...	.00003	...	...	.00104	.00124	.00014	41
.00115	...	...	.00007	...	.01096	.04663	.00333	.00733	.00041	.00023	.00651	.00236	.00033	.00064	.00237	.00014	42
...	...	...	...	...	...	...	...	...	.00002	...	...	...	...	...	...	...	43
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	44+45
...	...	...	...	...	.00033	...	...	...	...	...	...	...	...	...	...	...	46
.00025	.00036	.00023	.00003	.00037	.00087	.00084	.00054	.00075	.00007	.00027	.00038	.00006	.00050	.00005	.00018	.00007	47
...	.00149	.01177	.00276	.00189	.00040	.00037	.00293	.00463	.00044	.00374	.00582	...	.00042	...	...	...	48
.00002	...	...	.00007	...	.00175	.00170	.00035	...	...	...	.00005	.00056	.00054	.00065	.00010	...	49
.00012	.00168	.00114	.00030	.00100	.00163	.00198	.00213	.00191	.00034	.00085	.00353	.00050	.00156	.00038	.00086	.00021	50
.00005	...	...	...	...	...	...	...	...	.00039	.00044	...	...	...	...	...	...	51
.00015	...	...	.00001	...	.00081	.00005	.00008	...	.00004	.00001	.00043	...	.00002	.00003	.00018	...	52
.00037	.00005	...	...	...	.00007	.00028	.00022	...	...	.00001	.00072	.00006	.00010	.00011	.00053	...	53
...	...	...	...	...	.00199	...	...	...	...	...	...	...	...	...	...	...	54
.00042	.00005	...	...	...	.00152	.00016	.00023	...	.00005	.00003	.00005	.00011	.00008	.00019	.00050	...	55
...	...	...	...	...	...	...	...	...	.00002	.00004	...	...	...	...	...	...	56
...	.00002	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	57
.00005	...	.00006	.00004	...	.00018	.00002	.00006	.00003	.00037	.00013	.00002	...	...	...	...	...	58
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59A
.00005	.00014	.00017	.00014	...	.00274	.00037	.00022	.00025	.00069	.00030	.00011	.00022	.00002	.00024	.00005	.00014	59B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60
...	...	...	...	...	.00002	...	...	...	...	...	...	...	...	...	...	...	61
.00007	...	...	...	...	.00001	.00023	.00021	.00019	.00034	.00103	.00089	.00045	.00008	.00022	.00013	.00028	62
.00002	.00007	.00006	.00003	.00005	.00014	.00014	.00010	.00006	.00259	.00716	.00019	.00006	.00008	.00067	.00013	.00007	63
.00012	...	.00006	.01030	.00121	.00041	.00026	.00004	.00003	.00037	.00063	.00003	...	.00002	.00048	.00015	.00007	64
.00092	.00396	.00580	.00101	.00115	.00729	.00328	.01140	.01184	.00321	.00450	.01078	.01565	.00958	.00201	.00517	.01817	65A
.00453	.01025	.01667	.00839	.01254	.02389	.01350	.02819	.03792	.00896	.01632	.02311	.05530	.01967	.00405	.01143	.02536	65B
.00022	.00036	.00131	.00007	.00031	.00158	.00035	.00191	.00038	.00007	.00022	.00355	.00482	.00331	.00019	.00136	.00317	65C
.00274	.00310	.00330	.00415	.00467	.00323	.00356	.00358	.00454	.00347	.00394	.00360	.00303	.00352	.00337	.00338	.00282	65D
.00005	...	...	.00003	...	.00005	...	.00008	.00006	.00007	.00003	.00169	.00006	.00027	.00003	.00005	.00014	65E
.00152	.00142	.00273	.00197	.00231	.00184	.00316	.00226	.00285	.00614	.00391	.00214	.00213	.00445	.00335	.00310	.00247	66
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	67
.00209	.02745	.01433	.00997	.00834	.01220	.00894	.02594	.01014	.00517	.00805	.02591	.01632	.02231	.00702	.00522	.00585	68A
.00037	.00487	.00546	.00333	.00352	.00211	.00235	.01194	.00241	.00099	.00213	.01991	.02103	.01253	.00244	.00209	.00169	68B
.00012	.00115	.00199	.00046	.00105	.00137	.00088	.00549	.00094	.00030	.00068	.00796	.00572	.00539	.00191	.00172	.00352	68C
.01783	.04625	.03965	.04263	.04933	.05983	.06927	.05025	.06159	.02370	.03617	.05258	.05154	.04942	.06334	.05128	.04360	69A
.00286	.00065	.00017	.00017	.00021	.00089	.00172	.00139	.00025	.00072	.00033	.00057	.00062	.00058	.00073	.00320	.00014	69B
.00650	.00552	.00666	.00655	.00703	.00680	.00793	.00678	.00645	.00711	.00679	.00721	.01043	.00756	.00771	.00765	.00761	70A
.00139	.00134	.00142	.00135	.00142	.00174	.00179	.00162	.00144	.00169	.00154	.00171	.00168	.00142	.00136	.00139	.00134	70B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71A
.00339	.00336	.00461	.01104	.01506	.00670	.01056	.00366	.00510	.03086	.02291	.00734	.00505	.00389	.00798	.00868	.00409	71B
.00301	.00259	.00301	.00301	.00304	.00299	.00300	.00300	.00297	.00303	.00305	.00304	.00308	.00302	.00313	.00313	.00310	72A
.00092	.00593	.00410	.00152	.00058	.00152	.00077	.00292	.00175	.00079	.00117	.00242	.00275	.00279	.00096	.00088	.00063	72B
.00164	.00247	.00324	.00139	.00142	.00200	.00191	.00383	.00244	.00645	.00361	.00355	.00437	.00431	.00249	.00209	.00155	73A
.00919	.00264	.00375	.00247	.00383	.00389	.00759	.00228	.00197	.01326	.00386	.02470	.01312	.02806	.02760	.01524	.01113	73B
.00727	.01196	.01104	.04442	.00939	.01163	.01603	.01435	.01240	.03652	.01662	.01591	.02154	.01343	.02441	.01580	.00810	73C
.07886	.00257	.00984	.01105	.00483	.00386	.01087	.00622	.00163	.02708	.01058	.00689	.01396	.00583	.05928	.06571	.01317	73D
.00361	.00363	.00387	.00417	.00436	.00403	.00430	.00374	.00366	.00361	.00378	.00376	.00365	.00377	.00375	.00379	.00366	74
.00294	.00435	.00449	.00227	.00194	.00495	.00265	.00681	.00463	.00377	.00484	.00534	.00628	.00610	.00257	.00262	.00232	75
.00110	.00010	.00017	.00038	.00011	.00024	.00016	.00030	.00022	.00062	.00037	.00031	.00022	.00037	.00091	.00096	.00049	76
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	77A
.00082	.00055	.00057	.00065	.00598	.00294	.00147	.00096	.00063	.00086	.00131	.00080	.00118	.00192	.00365	.00162	.00063	77B
.00135	.00053	.00108	.00091	.00136	.00061	.00123	.00056	.00053	.00760	.00248	.00060	.00022	.00027	.00035	.00103	.00049	78
.00065	.00058	.00154	.00226	.00273	.00165	.00177	.00165	.00056	.00120	.00138	.00075	.00163	.00098	.00035	.00030	.00007	79
.00042	.00067	.00057	.00036	.00011	.00010	.00077	.00101	.00044	.00113	.00166	.00798	.00157	.00448	.03049	.00956	.00479	80
...	...	.00210	...	...	...	.00016	.00803	...	...	...	...	.00028	...	...	...	...	81
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	82
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	83
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	85
.35906	.65137	.67184	.66270	.61281	.63325	.54715	.59995	.67750	.40017	.47984	.63335	.65302	.69217	.49011	.53798	.59353	I
.64094	.34863	.32816	.33730	.38720	.36675	.45285	.40005	.32250	.59983	.52016	.36665	.34698	.30783	.50989	.46202	.40647	VA
1.00000	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	T

Table 3.1.—Commodity-by-Industry

[Direct requirements per dollar

Commodity number	For the composition of inputs to an industry, read the column for that industry	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products
	Industry number	31	32	33+34	35	36	37	38	39	40	41	42
1	Livestock and livestock products	...	...	...	...	...	...	...	...	...	...	...
2	Other agricultural products	.00001	...	...	...	...	...	...	...	...	...	...
3	Forestry and fishery products	.00001	.00746	...	...	.00002	...	.00017	...	...	...	...
4	Agricultural, forestry, and fishery services	.00014	.00036	.00011	.00051	.00054	.00039	.00044	.00015	.00028	.00017	.00035
5+6	Metallic ores mining	.00014	...	...	.00095	.00044	.02866	.03762	...	.00026	...	.00004
7	Coal mining	.00005	.00014	.00021	.00550	.00660	.01762	.00028	.00008	.00004	.00006	.00006
8	Crude petroleum and natural gas	.51129	...	...	...	...	...	...	...	...	...	...
9+10	Nonmetallic minerals mining	.00279	.00012	...	.01078	.06734	.00302	.00024	...	...	...	.00002
11	New construction	...	...	...	...	...	...	...	...	...	...	...
12	Maintenance and repair construction	.00753	.00680	.00694	.00791	.00758	.00752	.00574	.00482	.00360	.00962	.00587
13	Ordnance and accessories	...	...	...	...	...	...	...	...	...	...	...
14	Food and kindred products	.00095	.00010	.08999	...	.00037	...	...	...	...	...	...
15	Tobacco products	...	...	...	...	...	...	...	...	...	...	...
16	Broad and narrow fabrics, yarn and thread mills	...	.00924	.02647	...	.00350	...	.00014	...	...	...	...
17	Miscellaneous textile goods and floor coverings	...	.01070	.02146	.00006	...	...	...	...	...	...	...
18	Apparel	...	.00008	.00043	...	...	...	...	...	...	...	.00006
19	Miscellaneous fabricated textile products	...	.00011	...	.00006	.00012	...	...	...	...	...	...
20+21	Lumber and wood products	.00002	.00154	...	.00971	.00385	.00199	.00304	...	.00059	.00043	.00133
22+23	Furniture and fixtures	...	...	...	...	...	...	...	...	...	...	...
24	Paper and allied products, except containers	.00078	.00859	.00576	.00230	.01112	.00033	.00044	.00038	.00065	.00164	.00434
25	Paperboard containers and boxes	.00091	.01249	.00331	.04221	.00371	.00021	.00088	.00291	.00436	.00565	.00611
26A	Newspapers and periodicals	.00002	.00007	...	...	.00005	.00003	.00002	...	.00006	.00003	.00004
26B	Other printing and publishing	.00005	.00034	.00011	.00011	.00014	.00127	.00005	.00605	.00010	.00012	.00004
27A	Industrial and other chemicals	.01436	.04828	.03501	.03924	.02541	.01181	.00397	.00796	.01081	.00499	.01165
27B	Agricultural fertilizers and chemicals	...	...	...	...	...	...	...	...	...	...	...
28	Plastics and synthetic materials	...	.17758	.00117	...	.00564	...	.01457	...	.00075	.00245	.00535
29A	Drugs	...	...	...	...	...	...	...	...	...	...	...
29B	Cleaning and toilet preparations	.00288	.00070	.00427	.00196	.00217	.00003	...	...	.00006	.00014	.00028
30	Paints and allied products	...	.00067	...	.00067	.00131	.00025	.00011	.02181	.00507	.00233	.00673
31	Petroleum refining and related products	.08529	.00289	.00534	.00606	.01098	.00569	.00477	.00253	.00303	.00199	.00352
32	Rubber and miscellaneous plastics products	.00327	.05706	.03160	.02167	.00813	.00179	.00964	.00138	.01085	.00409	.02787
33+34	Footwear, leather, and leather products	.00001	...	.22758	...	...	...	...	...	.00006	...	...
35	Glass and glass products	.00226	.00549	...	.09026	.00240	...	.00375	...	.00568	.00081	.00100
36	Stone and clay products	.00191	.00139	.00064	.01375	.10195	.01545	.00220	.00061	.00141	.00173	.00228
37	Primary iron and steel manufacturing	.00014	.00466	...	.00107	.00830	.18508	.01044	.17214	.17680	.21543	.11437
38	Primary nonferrous metals manufacturing	...	.00063	...	...	.00142	.01913	.33486	.31887	.08557	.04821	.05719
39	Metal containers	.00094	...	...	...	...	.00003	...	.09009	...	.00009	.00011
40	Heating, plumbing, and fabricated structural metal products	...	.00030	...	...	.00044	.00007	...	...	.03673	...	.00109
41	Screw machine products and stampings	...	.00242	.00032	.00079	.00121	.00359	.00050	.00038	.01267	.01513	.02138
42	Other fabricated metal products	.00080	.00600	.00651	...	.00664	.01604	.00670	.01500	.03388	.02305	.06481
43	Engines and turbines	...	.00018	...	...	...	.00030	...	...	...	...	.00072
44+45	Farm, construction, and mining machinery	...	...	...	...	...	...	...	...	...	...	...
46	Materials handling machinery and equipment	...	.00002	...	...	...	.00022	.00017	...	...	...	...
47	Metalworking machinery and equipment	.00013	.00183	.00021	.00500	.00226	.00848	.00941	.00122	.00667	.02063	.00430
48	Special industry machinery and equipment	...	.00297	.00011	.00112	...	.00034	.00096	...	...	.00006	...
49	General industrial machinery and equipment	.00001	.00022	...	...	.00086	.01663	.00635	...	.00226	.00187	.00033
50	Miscellaneous machinery, except electrical	.00062	.00575	.00149	.00438	.00249	.00535	.00370	.00329	.00477	.01864	.00804
51	Computer and office equipment	...	...	...	...	...	...	...	...	...	...	...
52	Service industry machinery	.00001	.00005	...	.00011	.00009	.00001	...	...	.00020	...	.00002
53	Electrical industrial equipment and apparatus	.00001	.00033	...	.00202	.00019	.00716	.00287	.00008	.00158	.00061	.00580
54	Household appliances	...	...	...	...	...	...	...	...	...	...	...
55	Electric lighting and wiring equipment	.00005	.00039	...	.00039	.00042	...	.00080	...	.00004	.00017	.00007
56	Audio, video, and communication equipment	...	...	...	...	...	...	...	...	...	...	...
57	Electronic components and accessories	...	.00057	...	...	...	...	...	...	...	...	...
58	Miscellaneous electrical machinery and supplies	.00001	.00017	...	...	.00028	.00005	...	...	.00002	...	.00009
59A	Motor vehicles (passenger cars and trucks)	...	...	...	...	...	...	...	...	...	...	...
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00034	.00013	...	.00034	.00098	.00017	.00016	.00008	.00022	.00072	.00009
60	Aircraft and parts	...	...	...	...	...	...	...	...	...	...	...
61	Other transportation equipment	...	...	...	...	...	...	...	...	...	...	...
62	Scientific and controlling instruments	.00017	.00010	...	.00045	.00035	.00114	.00008	...	.00218	...	.00006
63	Ophthalmic and photographic equipment	.00004	.00014	...	.00011	.00009	.00010	.00006	.00008	.00016	.00014	.00011
64	Miscellaneous manufacturing	.00003	.00014	.00149	.00006	.00075	.00004	.00003	...	.00018	.00006	.00004
65A	Railroads and related services; passenger ground transportation	.00241	.00690	.00107	.01448	.01401	.01600	.00881	.00444	.00376	.00450	.00285
65B	Motor freight transportation and warehousing	.00480	.03007	.01099	.01476	.06664	.02463	.02932	.01753	.01618	.01510	.01334
65C	Water transportation	.00498	.00164	...	.00331	.00963	.00558	.00144	.00061	.00034	.00061	.00069
65D	Air transportation	.00067	.00371	.00395	.00303	.00296	.00389	.00373	.00291	.00329	.00352	.00322
65E	Pipelines, freight forwarders, and related services	.03089	.00003	...	...	.00005	.00003	.00002	.00008	...	.00003	...
66	Communications, except radio and TV	.00121	.00277	.00299	.00281	.00340	.00195	.00199	.00161	.00305	.00202	.00333
67	Radio and TV broadcasting	...	...	...	...	...	...	...	...	...	...	...
68A	Electric services (utilities)	.01073	.02017	.00769	.02941	.02743	.03662	.03611	.01271	.00847	.01271	.01449
68B	Gas production and distribution (utilities)	.08008	.00378	.00331	.01673	.01923	.01535	.00682	.00436	.00339	.00357	.00537
68C	Water and sanitary services	.00290	.00144	.00961	.00225	.00226	.00699	.00284	.00130	.00087	.01141	.00204
69A	Wholesale trade	.03959	.04289	.04366	.04474	.03613	.07203	.08527	.06628	.06066	.05752	.05456
69B	Retail trade	.00018	.00121	.00032	.00275	.00114	.00027	.00013	.00038	.00065	.00055	.00065
70A	Finance	.00776	.00747	.00619	.00662	.00692	.00708	.00646	.00643	.00669	.00752	.00710
70B	Insurance	.00100	.00149	.00181	.00163	.00214	.00166	.00143	.00130	.00133	.00147	.00143
71A	Owner-occupied dwellings	...	...	...	...	...	...	...	...	...	...	...
71B	Real estate and royalties	.00844	.00929	.00662	.00634	.00774	.00377	.00469	.00467	.01024	.00790	.00878
72A	Hotels and lodging places	.00095	.00303	.00278	.00303	.00298	.00299	.00300	.00306	.00303	.00288	.00309
72B	Personal and repair services (except auto)	.00174	.00184	.00096	.00264	.00291	.00414	.00212	.00191	.00089	.00216	.00161
73A	Computer and data processing services	.00222	.00330	.00544	.00404	.00387	.00590	.00300	.00237	.00251	.00360	.00372
73B	Legal, engineering, accounting, and related services	.00671	.00625	.00288	.00359	.00529	.00415	.00260	.00352	.00440	.00824	.00678
73C	Other business and professional services, except medical	.00828	.01369	.00950	.01437	.01669	.01865	.01237	.00995	.02109	.01761	.01593
73D	Advertising	.00365	.00583	.02252	.00427	.00597	.00432	.00179	.00253	.00558	.00758	.00908
74	Eating and drinking places	.00187	.00397	.00448	.00415	.00399	.00387	.00390	.00383	.00422	.00406	.00428
75	Automotive repair and services	.00331	.00453	.00256	.00601	.00655	.00833	.00480	.00459	.00297	.00435	.00441
76	Amusements	.00016	.00029	.00011	.00017	.00019	.00024	.00020	.00038	.00016	.00032	.00017
77A	Health services	...	...	...	...	...	...	...	...	...	...	...
77B	Educational and social services, and membership organizations	.00072	.00366	.00043	.00062	.00070	.00067	.00082	.00115	.00101	.00285	.00096
78	Federal Government enterprises	.00030	.00060	.00181	.00079	.00061	.00073	.00047	.00008	.00073	.00072	.00074
79	State and local government enterprises	.00024	.00064	.00267	.00045	.00233	.00074	.00135	.00046	.00123	.00055	.00115
80	Noncomparable imports	.00226	.00210	.00021	.00168	.00226	.00112	.00193	.00015	.00154	.00095	.00094
81	Scrap, used and secondhand goods	...	...	...	.00561	...	.03030	.05137	...	.00172	...	.00054
82	General government industry	...	...	...	...	...	...	...	...	...	...	...
83	Rest of the world adjustment to final uses	...	...	...	...	...	...	...	...	...	...	...
84	Household industry	...	...	...	...	...	...	...	...	...	...	...
85	Inventory valuation adjustment	...	...	...	...	...	...	...	...	...	...	...
I	Total intermediate inputs	.86599	.56179	.62511	.46983	.54412	.64198	.74390	.80850	.58162	.56534	.52683
VA	Value added	.13401	.43821	.37489	.53017	.45588	.35802	.25610	.19150	.41838	.43466	.47317
T	**Total** [1]	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**

* Less than .000005.

1. Detail may not add to 1 because of rounding.

Direct Requirements, 1992—Continued

of industry output, at producers' prices]

Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Commodity number
43	44+45	46	47	48	49	50	51	52	53	54	55	56	57	58	59A	59B	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.00001	.00001	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
.00047	.00041	.00025	.00035	.00035	.00050	.00048	.00025	.00026	.00061	.00048	.00037	.00025	.00076	.00080	.00015	.00030	4
...	.00037	...	.00023	...	...	...	.00005	...	.00119	...	...	.00061	...	.00033	...	.00348	5+6
.00006	.00009	...	.00004	.00005	.00007	.00008	.00002	.00008	.00004	...	...	...	.00003	...	.00012	.00026	7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	.00082	.00005	...	...	...	...	...	.00168	...	...	.00001	...	...	...	9+10
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
.00657	.00512	.00405	.00621	.00583	.00500	.00654	.00594	.00658	.00532	.00517	.00481	.00608	.01304	.00561	.00326	.00705	12
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
...	...	...	...	...	...	...	...	...	...	.00012	...	...	...	...	.00118	...	16
...	...	...	...	...	.00718	.00132	...	...	.00004	...	...	.00002	...	...	.00748	.00061	17
.00041	...	...	.00012	.00010	.00003	...	...	.00004	...	...	...	...	.00001	...	.00003	...	18
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.02693	.00019	19
...	.00156	.00123	.00320	.00267	.00091	.00016	...	.00238	.00083	.00066	.00005	.00004	...	...	.00003	.00176	20+21
...	...	...	...	...	...	...	...	...	...	.00012	...	.01168	.00018	.00005	.01673	.00037	22+23
.00041	.00031	.00049	.00062	.00677	.00429	.00032	.00055	.00469	.00511	.01419	.00644	.00399	.00209	.00198	.00029	.00087	24
.00082	.00103	.00012	.00367	.00109	.00409	.00267	.00285	.00370	.00356	.01034	.01366	.00228	.00151	.01178	.00013	.00411	25
...	.00003	...	.00004	.00005	...	.00012	.00013	.00004	.00007	...	.00010	.00008	.00013	.00019	.00003	.00005	26A
.00012	.00016	.00012	.00020	.00010	.00010	.00016	.00013	.00004	.00007	.00036	.00005	.00033	.00007	.00009	.00012	.00032	26B
.00006	.00069	.00037	.00648	.00129	.00007	.00020	...	.00227	.00144	.00679	.00262	.00033	.01128	.00909	.00474	.00441	27A
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27B
...	...	...	...	...	.00050	.00048	.00038	.00404	.00295	.02543	.02255	.00251	.00275	.01216	.00005	.00548	28
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29A
...	...	...	...	...	...	...	.00008	.00038	.00065	.00096	.00120	.00036	.00010	.00014	.00005	.00005	29B
.00117	.00378	.00135	.00203	...	.00050	.00032	.00056	.00321	.00248	.00818	.00037	.00021	...	...	.01140	.00529	30
.00153	.00215	.00380	.00285	.00252	.00305	.00243	.00070	.00170	.00586	.00397	.00340	.00082	.00107	.00198	.00125	.00201	31
.01185	.04221	.01987	.00925	.01977	.02589	.00479	.01270	.02661	.02798	.08710	.02930	.01938	.01490	.06502	.06101	.02580	32
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.00001	.00001	33+34
...	.00044	...	...	.00069	...	...	...	.00015	...	.00198	.02475	.00004	.00899	...	.00998	.00080	35
.00440	.00125	.00098	.00890	.00203	.00262	.00355	.00013	.00450	.03035	.00541	.00989	.00017	.00066	.00075	.00133	.00336	36
.13049	.10602	.11249	.07548	.06263	.07668	.07355	.00113	.05424	.04682	.06835	.03610	.00468	.00468	.01871	.00155	.08408	37
.02546	.00843	.02404	.02237	.04187	.02620	.06079	.00776	.05870	.05178	.04508	.05369	.01135	.02385	.05362	.00029	.07238	38
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39
.01379	.04449	.01595	.01214	.01443	.01167	.00355	.00668	.00839	.00503	...	...	.00535	.00385	.00368	...	.02042	40
.03773	.01430	.03067	.00851	.00959	.00963	.00977	.00754	.03175	.01838	.02957	.02867	.01043	.01030	.01065	.08362	.04028	41
.03385	.01655	.02343	.01156	.02827	.01261	.01603	.00308	.01735	.00716	.01659	.02145	.00654	.03499	.01993	.01854	.01374	42
.07252	.05307	.00785	...	.00331	.00480	.00096	...	.00110	.00892	...	...	...	...	...	.01340	.00245	43
...	.03793	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	44+45
...	.00028	.01877	...	.00015	.00023	...	...	...	...	...	...	...	...	...	.00005	.00007	46
.00622	.00500	.00454	.04623	.00914	.00503	.01528	.00044	.00473	.00219	.00186	.00288	.00071	.00156	.00221	.00131	.00243	47
...	...	...	...	.03322	...	...	...	...	...	...	...	...	.00103	...	...	...	48
.01660	.02754	.05680	.01035	.02511	.07735	.01272	.00036	.01765	.00442	.00373	...	.00035	...	.00377	.00036	.01683	49
.04459	.02766	.03005	.03034	.03969	.03240	.06322	.00133	.02181	.00726	.00210	.00445	.00199	.00443	.00462	.00527	.03824	50
...	...	...	...	.00089	...	...	.18300	...	.00040	...	...	.00383	.01090	.00683	.00001	.00002	51
...	...	...	...	.00015	.00003	...	...	.07571	.00004	.02092	.00010	.00015	.00001	...	.01476	.00263	52
.04054	.00668	.03030	.02265	.03826	.03730	.00275	.01758	.05375	.07052	.04707	.02679	.00276	.00106	.01225	.00005	.00011	53
...	...	...	...	...	...	...	...	...	...	.00126	...	...	...	...	...	...	54
...	.00031	...	.00023	...	...	.00020	.00100	.00684	.00205	.01431	.03176	.00709	.00190	.00330	.00557	.00075	55
...	...	...	...	...	...	...	.00111	...	...	...	...	.03181	.00151	.00151	.01174	.00001	56
...	...	...	.00047	.00173	.00178	.00311	.21142	.00015	.02521	.00872	.00738	.23585	.18266	.09575	.01736	.02581	57
.01168	.00599	.00405	.00176	.00094	.00067	.00072	.00023	...	.00040	.00006	.00005	.00520	...	.02813	.01656	.01739	58
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.00427	.00537	59A
.00440	.00403	.00012	.00023	.00010	.00013	.00012	.00006	.00015	.00007	...	.00005	.00004	.00004	.00019	.26779	.08799	59B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	61
...	...	...	.00043	...	.00040	...	.00005	.01633	.00144	.03925	...	.00247	.00202	.00269	.00586	.00005	62
.00012	.00009	.00012	.00020	.00015	.00013	.00032	.00020	.00015	.00022	.00006	.00021	.00021	.00021	.00033	.00013	.00020	63
...	.00022	.00049	.00012	.00005	...	...	.00002	.00045	.00011	.00054	.00361	.00002	...	.00005	.00008	.00009	64
.00117	.00206	.00147	.00144	.00143	.00107	.00187	.00075	.00170	.00277	.00258	.00194	.00092	.00190	.00184	.00345	.00336	65A
.01748	.01586	.01116	.01078	.01003	.00862	.00917	.00181	.00945	.00823	.01214	.01010	.00332	.00436	.01169	.01574	.01445	65B
...	.00053	...	.00023	.00015	.00007	.00024	.00008	.00019	.00072	.00030	.00010	.00008	.00025	.00033	.00033	.00041	65C
.00604	.00465	.00429	.00359	.00499	.00423	.00427	.00558	.00389	.00414	.00355	.00330	.00408	.00433	.00401	.00658	.00528	65D
.00006	.00003	...	...	...	...	.00004	.00005	.00004	...	...	...	.00004	.00003	...	.00006	.00005	65E
.00223	.00287	.00356	.00437	.00465	.00433	.00287	.00383	.00295	.00406	.00343	.00303	.00410	.00358	.00264	.00107	.00182	66
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	67
.00792	.00812	.00601	.01113	.00806	.01077	.01213	.00544	.00752	.01000	.00811	.01020	.00529	.01298	.01070	.00323	.00987	68A
.00205	.00265	.00233	.00269	.00208	.00285	.00299	.00069	.00212	.00280	.00252	.00303	.00079	.00162	.00212	.00094	.00218	68B
.00117	.00081	.00037	.00070	.00064	.00104	.00076	.00053	.00272	.00090	.00042	.00105	.00038	.00099	.00259	.00052	.00290	68C
.05632	.07321	.08587	.04732	.06984	.06088	.03777	.10373	.06751	.07016	.06853	.07153	.05769	.05434	.08119	.08229	.06944	69A
.00023	.00028	.00012	.00016	.00020	.00027	.00020	.00025	.00068	.00068	.00168	.00162	.00056	.00028	.00090	.00031	.00051	69B
.00657	.00712	.00638	.00683	.00652	.00678	.00702	.00757	.00733	.00849	.00733	.00717	.00744	.00765	.00801	.00672	.00751	70A
.00129	.00153	.00159	.00148	.00124	.00141	.00136	.00128	.00144	.00129	.00144	.00136	.00128	.00142	.00141	.00149	.00147	70B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71A
.00569	.00481	.00748	.01078	.01092	.00694	.01344	.01281	.00514	.00791	.00373	.01067	.00959	.01025	.00777	.00344	.00402	71B
.00305	.00312	.00270	.00308	.00306	.00302	.00303	.00313	.00299	.00302	.00307	.00303	.00299	.00304	.00297	.00301	.00304	72A
.00129	.00119	.00074	.00098	.00079	.00134	.00104	.00050	.00098	.00115	.00072	.00078	.00071	.00182	.00141	.00086	.00212	72B
.00475	.00378	.00184	.00297	.00222	.00332	.00219	.00876	.00404	.00237	.00144	.00351	.00512	.00489	.00250	.00085	.00298	73A
.00282	.00702	.00834	.00793	.00954	.00724	.00754	.00943	.00597	.00435	.00337	.00539	.00823	.01410	.00344	.00799	.00625	73B
.01173	.01189	.01141	.01347	.01186	.01399	.01883	.01137	.00998	.01417	.01016	.01235	.01204	.01775	.01838	.00691	.01206	73C
.00229	.00815	.00711	.00738	.00821	.00969	.00889	.00959	.00835	.01197	.02621	.02020	.00658	.01176	.00938	.00453	.01966	73D
.00405	.00421	.00393	.00480	.00455	.00443	.00403	.00361	.00404	.00424	.00433	.00455	.00376	.00383	.00457	.00366	.00390	74
.00293	.00312	.00221	.00344	.00242	.00352	.00299	.00205	.00280	.00298	.00240	.00293	.00232	.00400	.00377	.06502	.00422	75
.00029	.00034	.00012	.00012	.00025	.00017	.00032	.00039	.00034	.00022	.00030	.00021	.00031	.00038	.00019	.00035	.00050	76
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	77A
.00076	.00066	.00049	.00086	.00054	.00067	.00072	.00106	.00140	.00076	.00210	.00063	.00127	.00155	.00108	.00275	.00188	77B
.00059	.00106	.00086	.00074	.00124	.00081	.00040	.00025	.00019	.00079	.00222	.00073	.00123	.00044	.00057	.00068	.00159	78
.00111	.00100	.00282	.00219	.00133	.00198	.00259	.00070	.00087	.00083	.00114	.00157	.00033	.00052	.00141	.00033	.00049	79
.00123	.00281	.00294	.00086	.00341	.00299	.00172	.05582	.00087	.00687	.00192	.00999	.00742	.00414	.01409	.00308	.00478	80
...	...	...	.00008	...	.00034	.00008	...	...	...	...	...	...	...	.00372	...	.00025	81
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	82
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	83
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	85
.61101	.59108	.56845	.43848	.52321	.51459	.43520	.71854	.58545	.51681	.64757	.52776	.52787	.51480	.58083	.84106	.68498	I
.38899	.40892	.43155	.56152	.47679	.48541	.56480	.28146	.41455	.48319	.35243	.47224	.47213	.48520	.41917	.15894	.31502	VA
1.00000	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	T

Table 3.1.—Commodity-by-Industry

[Direct requirements per dollar

Commodity number	For the composition of inputs to an industry, read the column for that industry	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services
	Industry number	60	61	62	63	64	65A	65B	65C	65D	65E
1	Livestock and livestock products					0.00007					
2	Other agricultural products	.00001				.00082		.00001	.00009	.00001	
3	Forestry and fishery products					.00034			.00009		
4	Agricultural, forestry, and fishery services	.00062	.00047	.00048	.00033	.00019	.00002	.00001			
5+6	Metallic ores mining	.00030		.00013		.00027					
7	Coal mining	.00015	.00020	.00030	.00079	.00005			.00028		
8	Crude petroleum and natural gas										.00247
9+10	Nonmetallic minerals mining					.00012					
11	New construction										
12	Maintenance and repair construction	.00781	.00357	.00591	.00617	.00457	.04421	.00441	.00092	.00254	.01708
13	Ordnance and accessories										.00015
14	Food and kindred products	.00007		.00052		.00218			.00256	.00245	
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills	.00097		.00301		.01118				.00001	
17	Miscellaneous textile goods and floor coverings	.00006	.00310	.00525	.00004	.00070		.00005	.00136		
18	Apparel	.00006		.00017		.00438	.00041	.00002	.00194	.00009	
19	Miscellaneous fabricated textile products	.00141	.00413	.00001		.00109		.00007	.00311	.00006	.00226
20+21	Lumber and wood products	.00020	.01333	.00070		.01193		.00020	.00009	.00002	.00488
22+23	Furniture and fixtures	.00054	.00120	.00048		.00051					
24	Paper and allied products, except containers	.00026	.00027	.00361	.03713	.00675	.00039	.00036		.00033	.00060
25	Paperboard containers and boxes	.00015	.00017	.00454	.01003	.01888	.00007	.00058		.00003	.00232
26A	Newspapers and periodicals	.00005	.00003	.00010	.00046	.00017	.00023	.00025	.00120	.00020	.00048
26B	Other printing and publishing	.00030	.00007	.00067	.00012	.00157	.00361	.00223	.00102	.00163	.00720
27A	Industrial and other chemicals	.00069	.00053	.00148	.02093	.01014	.00187	.00062	.00037	.00019	.00024
27B	Agricultural fertilizers and chemicals										
28	Plastics and synthetic materials	.00307	.00430	.00426	.01152	.02401			.00012		
29A	Drugs										
29B	Cleaning and toilet preparations			.00028	.00058	.00092		.00001		.00003	
30	Paints and allied products	.00157	.00533	.00031		.00581		.00034	.00080	.00004	
31	Petroleum refining and related products	.00175	.00323	.00133	.00178	.00479	.05983	.04750	.02241	.10039	.00541
32	Rubber and miscellaneous plastics products	.01637	.02060	.02016	.02321	.03742	.00486	.01194	.00318	.00034	.00544
33+34	Footwear, leather, and leather products	.00001				.00075	.00002	.00001		.00001	.00003
35	Glass and glass products	.00019	.00603	.00351	.00638	.00058	.00093	.00002	.00012		.00036
36	Stone and clay products	.00214	.00093	.00116	.00041	.00339	.00004	.00005	.00006	.00001	.00012
37	Primary iron and steel manufacturing	.00815	.05360	.00914	.00174	.01873	.00725			.00002	
38	Primary nonferrous metals manufacturing	.02389	.01400	.01309	.00448	.04848	.00002	.00002	.00065		
39	Metal containers			.00024							
40	Heating, plumbing, and fabricated structural metal products	.00089	.02117	.00722	.00029	.00351			.00015		
41	Screw machine products and stampings	.00873	.00727	.01197	.00854	.00339	.00013		.00006	.00045	
42	Other fabricated metal products	.01557	.01773	.01497	.00274	.01138	.00474	.00285	.00681	.00074	.00220
43	Engines and turbines		.04277			.00005	.00393	.00061	.00669		.00101
44+45	Farm, construction, and mining machinery		.00117								
46	Materials handling machinery and equipment		.00003					.00003			
47	Metalworking machinery and equipment	.01005	.00197	.00144	.00120	.00242	.00135	.00012	.00465	.00030	
48	Special industry machinery and equipment							.00001			
49	General industrial machinery and equipment	.00270	.02180	.00066	.00017	.00053	.00604	.00027	.01150	.00005	.00312
50	Miscellaneous machinery, except electrical	.01341	.00803	.00427	.00377	.00777	.00188	.00035	.00293	.00131	.00128
51	Computer and office equipment	.00142		.01234	.00046	.00051		.00001		.00002	.00057
52	Service industry machinery		.00277	.00002	.00004	.00007	.00014	.00005		.00004	.00012
53	Electrical industrial equipment and apparatus	.00114	.02803	.01001	.00493	.00453	.00448	.00114	.00031	.00014	.00083
54	Household appliances		.00573						.00003		
55	Electric lighting and wiring equipment		.00327	.00275	.00025	.00044	.00038	.00027	.00037	.00007	
56	Audio, video, and communication equipment	.00737	.00057	.00784		.00012		.00002		.00001	.00024
57	Electronic components and accessories	.01594	.00027	.08923	.03535	.01109	.00027			.00126	
58	Miscellaneous electrical machinery and supplies	.00035	.00370	.00043	.00012	.00031	.00151	.00122	.00099	.00046	.00235
59A	Motor vehicles (passenger cars and trucks)		.02207								
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00007	.02147	.00009	.00017	.00012	.00696	.00484	.00003	.00015	.00086
60	Aircraft and parts	.24824								.02873	
61	Other transportation equipment		.02680				.01693	.00004	.02284		.00003
62	Scientific and controlling instruments	.04969	.00310	.02882	.00510			.00008	.00003	.00014	
63	Ophthalmic and photographic equipment	.00021	.00007	.00026	.05151	.00027	.00018	.00037	.00022	.00020	.00083
64	Miscellaneous manufacturing	.00013	.00010	.00011	.00004	.07312	.00023	.00023	.00228	.00029	.00095
65A	Railroads and related services; passenger ground transportation	.00111	.00220	.00106	.00340	.00240	.04247	.00265	.00059	.00136	.00098
65B	Motor freight transportation and warehousing	.00491	.01307	.00430	.00717	.01191	.00660	.17256	.00321	.00248	.00622
65C	Water transportation	.00017	.00013	.00012	.00058	.00048	.00140	.00125	.13200	.00174	.00167
65D	Air transportation	.00768	.00463	.00381	.00348	.00336	.00384	.00373	.00237	.06441	.00693
65E	Pipelines, freight forwarders, and related services	.00009		.00004	.00004		.00793	.02974	.04337	.08307	.02270
66	Communications, except radio and TV	.00221	.00220	.00501	.00472	.00368	.00701	.01266	.00083	.01279	.02862
67	Radio and TV broadcasting										
68A	Electric services (utilities)	.00665	.00677	.00772	.00613	.00784	.00172	.00676	.00370	.00312	.01303
68B	Gas production and distribution (utilities)	.00107	.00187	.00082	.00232	.00254	.00002	.00071	.00028	.00015	.00033
68C	Water and sanitary services	.00144	.00133	.00064	.00095	.00075	.00194	.01281	.00111	.00132	.00098
69A	Wholesale trade	.03036	.05230	.04083	.05976	.08363	.02728	.03037	.01557	.01553	.00892
69B	Retail trade	.00015	.00027	.00052	.00079	.00133	.00332	.00452	.00046	.00046	.00077
70A	Finance	.00898	.00643	.00758	.00854	.00748	.01742	.00774	.03231	.01631	.02624
70B	Insurance	.00132	.00157	.00138	.00145	.00179	.00468	.00803	.00142	.00160	.00538
71A	Owner-occupied dwellings										
71B	Real estate and royalties	.00474	.01367	.01026	.00543	.01220	.01107	.02081	.02762	.01563	.02100
72A	Hotels and lodging places	.00325	.00287	.00302	.00298	.00290	.00249	.00380	.00142	.00319	.00295
72B	Personal and repair services (except auto)	.00157	.00063	.00072	.00062	.00082	.00138	.00063	.00059	.00290	.00211
73A	Computer and data processing services	.00842	.00373	.00475	.00332	.00191	.01413	.00287	.00863	.02362	.06979
73B	Legal, engineering, accounting, and related services	.00950	.00557	.01138	.00240	.00620	.00725	.00520	.02105	.01138	.05212
73C	Other business and professional services, except medical	.01556	.01117	.02287	.01968	.01568	.01984	.02042	.07263	.01634	.02743
73D	Advertising	.00430	.00570	.01540	.01281	.03953	.00396	.00212	.03835	.01475	.02478
74	Eating and drinking places	.00400	.00410	.00413	.00394	.00453	.00413	.00447	.00176	.01946	.00369
75	Automotive repair and services	.00361	.00213	.00237	.00240	.00283	.01177	.05759	.00046	.00161	.00654
76	Amusements	.00035	.00017	.00036	.00037	.00041	.00025	.00043	.00046	.00063	.00051
77A	Health services							.00037			
77B	Educational and social services, and membership organizations	.00221	.00073	.00206	.00390	.00385	.00244	.00048	.00373	.00069	.00747
78	Federal Government enterprises	.00091	.00037	.00118	.00070	.00286	.00106	.00148	.00031	.00081	.00393
79	State and local government enterprises	.00029	.00177	.00137	.00037	.00228	.00161	.00162		.00022	.00030
80	Noncomparable imports	.00096	.00070	.00209	.00758	.00184	.00328	.00359	.09106	.09376	.00744
81	Scrap, used and secondhand goods					.00002		.00003			
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs	.57249	.52103	.42907	.40661	.56548	.38318	.50063	.60555	.55210	.41623
VA	Value added	.42751	.47897	.57093	.59339	.43452	.61682	.49937	.39445	.44790	.58377
T	**Total** [1]	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**

* Less than .000005.

1. Detail may not add to 1 because of rounding.

Direct Requirements, 1992—Continued

of industry output, at producers' prices]

Communications, except radio and TV	Radio and TV broadcasting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (exc. auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Commodity number
66	67	68A	68B	68C	69A	69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.00013	...	1
(*)	...	.00001	.00001	...	.00013	(*)	.00001	.00001	...	.00005	.00008	...	.00002	.00002	.00001	...	2
...	...	...	...	...	...	...	...	...	...	...	.00005	...	...	...	...	...	3
.00018	.00014	.00009	...	...	.00049	.00103	.00027	.00026	.00795	.00523	.00461	.00046	.00047	.00044	.00030	.00030	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5+6
...	...	.09173	...	...	.00002	.00001	(*)	...	...	.00001	.00003	.00003	...	(*)	(*)	...	7
...	...	.00005	.41602	...	.00002	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	.00001	(*)	...	...	...	...	...	.00003	...	...	...	...	9+10
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
.03929	.00886	.07797	.07298	.08002	.00429	.00960	.00275	.00265	.04738	.05377	.02560	.00558	.00268	.00151	.00263	.00171	12
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.00026	...	13
...	...	...	...	...	.00116	.00018	...	...	...	...	.00200	...	...	...	.00009	...	14
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
...	...	...	...	...	.00015	.00010	...	...	...	...	.00010	.00155	...	...	.00002	...	16
(*)	...	...	...	...	.00009	.00008	(*)	...	...	(*)	.00022	.00040	...	.00001	.00002	...	17
.00044	...	.00001	...	...	.00105	.00006	...	...	...	...	.00082	.00410	...	...	.00026	...	18
.00001	...	...	...	...	.00048	.00006	.00042	.00008	...	.00002	.00844	.00283	...	...	.00002	.00060	19
.00009	.00003	.00004	.00003	.00818	.00332	.00020	.00018	.00020	...	.00008	.00020	.00047	.00016	.00029	.00026	.00013	20+21
...	...	...	...	...	...	(*)	...	...	...	.00001	...	...	.00002	.00002	.00001	...	22+23
.00087	.00041	.00037	.00026	.00057	.00396	.00752	.00272	.00165	...	.00099	.00341	.00278	.00248	.00284	.00412	.00285	24
.00041	.00017	.00009	.00005	.00016	.00548	.00168	.00032	.00021	...	.00014	.00208	.00064	.00022	.00037	.00168	.00023	25
.00040	.00024	.00005	.00001	.00021	.00048	.00022	.00076	.00015	...	.00004	.00089	.00037	.00030	.00050	.00045	.00020	26A
.00377	.00034	.00052	.00016	.00026	.00988	.00115	.00842	.00668	...	.00148	.00320	.01034	.00898	.00766	.00720	.07444	26B
.00008	.00048	.00173	.00002	.02607	.00066	.00008	.00012	.00009	(*)	.00008	.00018	.00168	.00009	.00017	.00365	.00007	27A
...	...	...	...	...	.00059	.00004	...	...	.00075	.00024	.00188	...	...	...	.00001	...	27B
...	...	...	...	...	.00001	.00002	...	...	...	...	...	.00013	...	...	...	...	28
.00002	...	...	...	...	.00006	...	...	...	...	...	...	...	...	...	...	...	29A
.00012	...	.00002	.00005	...	.00082	.00030	.00006	.00003	...	.00009	.00121	.01217	.00003	.00011	.00132	...	29B
.00027	...	...	...	.00010	.00003	.00006	(*)	.00020	...	.00005	.00002	.00010	...	.00001	.00016	...	30
.00101	.00106	.01286	.00379	.03764	.00611	.00533	.00094	.00055	...	.00102	.00315	.00416	.00090	.00085	.00439	.00047	31
.00212	.00014	.00097	.00010	.00813	.00478	.00340	.00030	.00148	.00013	.00072	.00414	.00421	.00166	.00095	.00305	.00087	32
.00001	...	.00001	.00001	...	.00002	.00025	.00004	.00003	...	.00001	.00008	.00381	.00003	.00016	.00016	...	33+34
.00009	...	.00004	...	.00109	.00035	.00003	.00006	.00004	...	.00001	.00426	.00004	.00003	.00049	.00086	...	35
...	...	.00002	...	.00083	.00020	.00004	.00002	...	...	.00065	.00064	.00011	...	.00009	.00024	...	36
...	...	...	.00001	...	.00012	.00001	(*)	(*)	...	...	...	.00008	...	.00001	.00021	...	37
.00008	...	.00059	...	.00005	.00059	.00001	...	.00006	...	.00001	...	.00080	...	...	.00006	...	38
...	...	.00001	...	...	.00082	...	...	...	...	...	...	...	...	...	.00011	...	39
...	...	...	...	...	.00019	.00002	...	...	.00029	.00015	...	.00007	...	...	...	...	40
.00175	...	.00025	...	...	(*)	(*)	...	...	...	...	.00010	.00093	...	...	.00030	...	41
.00117	.00007	.00019	.00010	.00427	.00092	.00118	.00064	.00092	...	.00034	.00064	.00259	.00036	.00067	.00093	.00033	42
.00171	...	.00536	...	...	.00004	.00014	.00001	...	...	...	...	.00003	...	...	.00041	...	43
...	...	...	...	...	.00015	...	...	...	.00035	...	...	...	...	...	.00024	...	44+45
...	...	.00008	...	...	.00077	.00002	...	...	...	...	...	...	...	...	.00043	...	46
.00002	.00003	.00046	.00019	.00016	.00034	.00009	.00001	...	...	.00001	.00002	.00013	.00003	.00004	.00167	...	47
...	...	...	...	...	.00011	.00008	...	...	...	.00001	...	.00045	.00002	.00002	.00116	...	48
.00204	...	.00037	.00003	.00016	.00008	.00004	.00005	...	...	.00002	...	.00040	...	...	.00125	...	49
.00008	.00017	.00114	.00009	.00089	.00121	.00048	.00004	(*)	...	.00001	.00013	.00099	.00016	.00030	.00129	.00020	50
.00155	.00112	.00004	.00163	...	.00045	.00016	.00058	.00081	...	.00007	.00012	.00487	.05705	.00200	.00140	.00218	51
.00001	...	.00001	.00001	.00042	.00031	.00025	(*)	(*)	...	(*)	.00010	.00353	.00001	.00002	.00042	.00007	52
.00167	.00099	.00110	...	...	.00017	.00007	.00004	.00002	...	.00001	.00022	.00062	.00105	.00002	.00255	.00003	53
...	...	...	...	...	...	.00001	(*)	...	...	.00009	.00013	.00744	...	...	.00001	...	54
.00032	...	.00076	.00001	.00099	.00031	.00044	.00005	.00009	...	.00007	.00027	.00024	.00001	.00005	.00036	.00010	55
.01665	.00140	...	...	...	.00025	.00006	.00003	.00002	...	.00001	.00007	.00013	.00004	.00003	.00019	.00007	56
.01357	.00708	...	...	...	.00537	.00037	.00016	(*)	...	(*)	...	.01017	.03799	.00008	.00725	.00010	57
.00128	.00031	.00063	.00034	.00151	.00067	.00062	.00081	.00114	...	.00013	.00027	.00064	.00286	.00162	.00119	.00054	58
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59A
.00015	.00010	.00008	.00011	.06120	.00181	.00375	.00016	.00023	...	.00011	.00057	.00082	.00016	.00036	.00145	.00077	59B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60
...	...	...	...	...	...	(*)	...	.00001	...	(*)	...	...	...	...	.00082	...	61
.00012	.00010	.00061	.00023	.03665	.00009	.00009	(*)	.00023	...	.00006	.00025	.00080	.00058	.00007	.00050	.00003	62
.00040	.00136	.00005	.00009	.00031	.00109	.00036	.00149	.00140	...	.00025	.00047	.01042	.00057	.00234	.00349	.00124	63
.00071	.00017	.00019	.00011	.00021	.00094	.00091	.00155	.00076	...	.00028	.00143	.01441	.00046	.00122	.00185	.00111	64
.00075	.00061	.02740	.00043	.00224	.00091	.00082	.00079	.00119	.00001	.00067	.00107	.00077	.00070	.00071	.00160	.00064	65A
.00119	.00157	.00341	.00049	.00584	.00385	.00276	.01032	.00384	.00005	.00101	.00532	.00524	.00145	.00289	.00474	.00147	65B
.00005	...	.00433	.00077	.00089	.00025	.00014	.00008	.00003	...	.00002	.00025	.00033	.00009	.00014	.00035	.00010	65C
.00323	.00249	.00228	.00295	.00344	.00467	.00285	.00332	.00439	...	.00232	.00374	.00308	.00423	.00329	.00531	.00244	65D
.00006	.00003	.00020	.00502	.00047	.00052	.00009	.00006	.00007	...	.00005	.01341	.00011	.00009	.00008	.00013	.00010	65E
.13344	.01580	.00171	.00069	.02210	.01525	.00954	.01247	.01807	...	.00687	.01320	.01242	.02061	.01178	.01314	.01045	66
.00039	.02064	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.00496	67
.00389	.00647	.00014	.00208	.00422	.00841	.02278	.00474	.00163	...	.01198	.03627	.01398	.00353	.00338	.00403	.00409	68A
.00034	.00017	.02757	.18986	.02706	.00204	.00165	.00115	.00018	...	.00172	.00602	.00439	.00025	.00051	.00085	.00023	68B
.00110	.00150	.00114	.00026	.07460	.00165	.00321	.00252	.00051	...	.00631	.01362	.00509	.00036	.00048	.00082	.00010	68C
.00864	.00324	.00699	.00631	.03185	.02539	.00453	.00436	.00287	.00041	.00153	.00738	.01758	.02344	.00481	.01126	.00891	69A
.00033	.00027	.00022	.00033	.00886	.00262	.00366	.00032	.00051	.00042	.00049	.00193	.00086	.00024	.00025	.00204	.00060	69B
.01066	.00845	.01689	.00866	.00777	.01122	.01677	.14408	.04624	.01868	.00928	.05121	.00958	.00861	.01057	.00897	.00589	70A
.00162	.00565	.00209	.00126	.01199	.00161	.00303	.00304	.27896	.00661	.00298	.00176	.00233	.00080	.00113	.00189	.00117	70B
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71A
.01605	.02306	.01130	.00389	.00401	.02876	.07147	.03225	.03993	.03590	.06542	.07317	.05602	.03183	.05303	.02883	.04554	71B
.00303	.00259	.00235	.00141	.00245	.00344	.00304	.00289	.00468	...	.00256	.00364	.00263	.00278	.00532	.00475	.00238	72A
.00694	.00334	.00056	.00028	.00417	.00218	.00320	.00105	.00076	...	.00353	.00681	.04881	.00148	.00081	.00180	.00104	72B
.01367	.01444	.01022	.00263	.00308	.01359	.00656	.03062	.00970	...	.00114	.00664	.00592	.08013	.02399	.01545	.00834	73A
.02960	.01485	.01160	.02464	.03493	.01208	.01012	.02704	.03350	.00524	.01707	.00859	.03358	.01561	.07542	.01901	.03740	73B
.01926	.02647	.01049	.00518	.01142	.04281	.03528	.03939	.03829	.00359	.02600	.07126	.02751	.03142	.08233	.05323	.08217	73C
.01579	.02830	.00077	.00024	.00005	.02535	.05070	.01784	.01181	...	.00909	.01758	.02470	.00937	.00360	.00828	.00606	73D
.00358	.00307	.00281	.00158	.00313	.00395	.00425	.00339	.00555	...	.00300	.00550	.00356	.00367	.00318	.00630	.00281	74
.00549	.00439	.00131	.00180	.00386	.00842	.00610	.00246	.01478	...	.00655	.00641	.00604	.00560	.00456	.00679	.01071	75
.01354	.37883	.00030	.00029	.00026	.00115	.00084	.00052	.00062	...	.00031	.00055	.00047	.00040	.00070	.00132	.02056	76
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.00001	...	77A
.00150	.00535	.00312	.00052	.00063	.00199	.00097	.00208	.00146	...	.00087	.00185	.00355	.00648	.00305	.00333	.00224	77B
.00316	.00116	.00269	.00113	.00162	.00577	.00587	.02139	.00771	...	.00283	.00505	.00556	.00609	.00942	.00617	.00532	78
.00019	.00027	.00012	.00008	...	.00057	.00069	.00034	.00011	...	.00074	.00173	.00072	.00012	.00028	.00025	.00020	79
.03068	...	.00015	.00062	.00010	.00721	.00015	.00748	.00313	...	...	.00134	.00024	.00474	.00197	.00371	.00157	80
...	...	...	...	...	(*)	(*)	...	(*)	...	(*)	...	.00001	...	...	(*)	...	81
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	82
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	83
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	85
.42064	.59777	.35062	.75984	.54113	.29708	.31165	.39903	.55049	.12776	.25063	.43742	.41162	.38352	.33300	.27518	.35614	I
.57936	.40223	.64938	.24016	.45887	.70291	.68834	.60097	.44949	.87224	.74936	.56258	.58838	.61648	.66700	.72481	.64386	VA
1.00000	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	T

Table 3.1.—Commodity-by-Industry Direct Requirements, 1992—Continued

[Direct requirements per dollar of industry output, at producers' prices]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	General government industry	Household industry	Inventory valuation adjustment
	Industry number	74	75	76	77A	77B	78	79	82	84	85
1	Livestock and livestock products	0.00114	...	0.00032	0.00010	0.00028	...	...	...	...	...
2	Other agricultural products	.00657	.00001	.00121	.00036	.00054	.00010	...	...	...	...
3	Forestry and fishery products	.00622	...	.00005	.00007	...	.00010	...	...	...	...
4	Agricultural, forestry, and fishery services	.00066	.00038	.00223	.00132	.00157	.00003	.00326	...	...	...
5+6	Metallic ores mining	...	...	...	...	...	...	...	...	...	...
7	Coal mining	.00002	.00001	.00001	.00001	.00001	.01204	.01372	...	...	...
8	Crude petroleum and natural gas	...	...	...	...	...	...	.00679	...	...	...
9+10	Nonmetallic minerals mining	...	...	...	...	.00001	...	.00055	...	...	...
11	New construction	...	...	...	...	...	...	...	...	...	...
12	Maintenance and repair construction	.00758	.00387	.00878	.00511	.04063	.01512	.21798	...	...	...
13	Ordnance and accessories	...	...	.00008	...	...	...	...	...	...	...
14	Food and kindred products	.21922	...	.00570	.00763	.01098	.00294	...	...	...	...
15	Tobacco products	...	...	...	...	...	...	...	...	...	...
16	Broad and narrow fabrics, yarn and thread mills	...	...	.00066	.00006	.00015	.00013	.00011	...	...	...
17	Miscellaneous textile goods and floor coverings	.00014	.00040	.00008	.00009	.00004	.00007	.00012	...	...	...
18	Apparel	.00003	.00031	.00088	.00109	.00035	.00002	.00037	...	...	...
19	Miscellaneous fabricated textile products	.00056	.00090	.00044	.00122	.00035	.00179	.00002	...	...	...
20+21	Lumber and wood products	.00009	.00008	.00064	.00024	.00085	...	...	...	...	...
22+23	Furniture and fixtures	...	.00120	.00002	.00001	.00001	.00172	...	...	...	...
24	Paper and allied products, except containers	.00320	.00137	.00180	.00416	.00579	.00126	.00048	...	...	...
25	Paperboard containers and boxes	.00357	.00065	.00078	.00138	.00122	.00190	...	...	...	...
26A	Newspapers and periodicals	.00010	.00030	.00052	.00069	.00412	.00007	.00006	...	...	...
26B	Other printing and publishing	.00207	.00077	.00224	.00542	.04096	.01209	.00162	...	...	...
27A	Industrial and other chemicals	.00107	.00158	.00096	.01445	.00092	.00171	.01303	...	...	...
27B	Agricultural fertilizers and chemicals	...	...	.00110	.00006	.00021	...	.00152	...	...	...
28	Plastics and synthetic materials	...	...	...	.00032	...	...	...	...	...	...
29A	Drugs	...	...	.00007	.01341	.00028	...	.00003	...	...	...
29B	Cleaning and toilet preparations	.00019	.00087	.00026	.00116	.00073	.00062	.00042	...	...	...
30	Paints and allied products	.00002	.00246	.00030	.00001	.00025	...	...	...	...	...
31	Petroleum refining and related products	.00257	.01418	.00290	.00178	.00423	.01204	.03892	...	...	...
32	Rubber and miscellaneous plastics products	.00785	.02077	.00116	.01163	.00313	.00028	.00137	...	...	...
33+34	Footwear, leather, and leather products	.00001	.00001	.00058	.00008	.00066	.00030	...	...	...	...
35	Glass and glass products	.00149	.00567	.00004	.00164	.00130	.00005	.00053	...	...	...
36	Stone and clay products	.00139	.00035	.00002	.00035	.00001	...	.00564	...	...	...
37	Primary iron and steel manufacturing	...	...	.00001	(*)	.00009	...	...	...	...	...
38	Primary nonferrous metals manufacturing	.00002	.00004	.00012	.00002	.00001	.00071	...	...	...	...
39	Metal containers	...	...	...	...	...	...	...	...	...	...
40	Heating, plumbing, and fabricated structural metal products	...	...	.00002	...	.00001	...	.00002	...	...	...
41	Screw machine products and stampings	.00020	.01060	.00016	.00059	.00033	.00046	.00002	...	...	...
42	Other fabricated metal products	.00037	.01211	.00073	.00076	.00109	.00013	.00025	...	...	...
43	Engines and turbines	.00001	.00475	...	(*)	.00002	.00162	.00122	...	...	...
44+45	Farm, construction, and mining machinery	...	...	.00003	...	...	...	.00172	...	...	...
46	Materials handling machinery and equipment	...	...	...	...	...	.00008	...	...	...	...
47	Metalworking machinery and equipment	(*)	.00023	.00006	.00002	.00007	.00007	.00013	...	...	...
48	Special industry machinery and equipment	.00053	.00025	...	.00001	.00001	...	...	...	...	...
49	General industrial machinery and equipment	.00058	.00018	...	.00001	...	.00013	.00015	...	...	...
50	Miscellaneous machinery, except electrical	.00013	.00220	.00022	.00021	.00041	.00156	.00943	...	...	...
51	Computer and office equipment	.00004	.00004	.00017	.00141	.00032	.00005	...	...	...	...
52	Service industry machinery	.00016	.00667	.00083	.00018	.00018	.00025	.00416	...	...	...
53	Electrical industrial equipment and apparatus	.00002	.00297	.00002	.00018	.00010	...	.00476	...	...	...
54	Household appliances	.00002	...	...	.00002	.00007	...	.00011	...	...	...
55	Electric lighting and wiring equipment	.00028	.00356	.00071	.00041	.00045	.00046	.00134	...	...	...
56	Audio, video, and communication equipment	.00006	.00012	.00007	.00002	.00028	...	.00046	...	...	...
57	Electronic components and accessories	...	.00197	.00002	.00035	.00080	...	.00045	...	...	...
58	Miscellaneous electrical machinery and supplies	.00016	.00515	.00521	.00052	.00086	.00030	.00165	...	...	...
59A	Motor vehicles (passenger cars and trucks)	...	.00078	...	...	...	...	...	...	...	...
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00125	.11335	.00077	.00049	.00113	.01207	.00301	...	...	...
60	Aircraft and parts	...	.00001	...	...	...	...	...	...	...	...
61	Other transportation equipment	...	...	.00032	...	.00002	.00016	.00167	...	...	...
62	Scientific and controlling instruments	.00002	.00069	.00011	.01698	.00100	.00002	.00014	...	...	...
63	Ophthalmic and photographic equipment	.00007	.00030	.00047	.00232	.00198	.00018	.00014	...	...	...
64	Miscellaneous manufacturing	.00132	.00036	.00252	.00072	.00400	.00054	.00055	...	...	...
65A	Railroads and related services; passenger ground transportation	.00175	.00194	.00065	.00131	.00088	.01173	.00504	...	...	...
65B	Motor freight transportation and warehousing	.00784	.00634	.00200	.00316	.00345	.01586	.00458	...	...	...
65C	Water transportation	.00027	.00045	.00024	.00018	.00014	.00246	.00291	...	...	...
65D	Air transportation	.00319	.00439	.00260	.00305	.00332	.02541	.00108	...	...	...
65E	Pipelines, freight forwarders, and related services	.00006	.00184	.00005	.00008	.00011	.00010	.00032	...	...	...
66	Communications, except radio and TV	.00388	.00912	.00767	.00884	.00927	.00323	.00504	...	...	...
67	Radio and TV broadcasting	...	...	...	...	...	...	...	...	...	...
68A	Electric services (utilities)	.02225	.00962	.01481	.00732	.00911	.00505	.04198	...	...	...
68B	Gas production and distribution (utilities)	.00355	.00237	.00133	.00159	.00227	.00328	.02873	...	...	...
68C	Water and sanitary services	.00567	.00281	.00258	.00281	.00292	.00543	.01213	...	...	...
69A	Wholesale trade	.04654	.04133	.01470	.01506	.01301	.00677	.00784	...	...	...
69B	Retail trade	.00140	.00764	.00093	.00075	.00143	.00018	.00020	...	...	...
70A	Finance	.00953	.01594	.00878	.00658	.01167	.00668	.01187	...	...	...
70B	Insurance	.00138	.00447	.00148	.00290	.00229	.00167	.00213	...	...	...
71A	Owner-occupied dwellings	...	...	...	...	...	...	...	...	...	...
71B	Real estate and royalties	.04910	.05127	.06280	.06067	.11214	.01178	.02323	...	...	...
72A	Hotels and lodging places	.00289	.00345	.00252	.00302	.00314	.00033	.00026	...	...	...
72B	Personal and repair services (except auto)	.00317	.01149	.00260	.00230	.00216	.00021	.00119	...	...	...
73A	Computer and data processing services	.00267	.00416	.00443	.01102	.01864	.00377	.00469	...	...	...
73B	Legal, engineering, accounting, and related services	.00888	.00721	.02221	.01676	.01411	.00215	.03551	...	...	...
73C	Other business and professional services, except medical	.02095	.02086	.03348	.04362	.04912	.01488	.01809	...	...	...
73D	Advertising	.02177	.01648	.03896	.00447	.02512	.00008	.00220	...	...	...
74	Eating and drinking places	.01515	.00400	.00363	.00780	.00721	.00121	.00137	...	...	...
75	Automotive repair and services	.00425	.01304	.00664	.00605	.00583	.00348	.00530	...	...	...
76	Amusements	.00876	.00051	.16209	.00041	.00399	...	.00002	...	...	...
77A	Health services	...	...	.00027	.02119	...	...	...	...	...	...
77B	Educational and social services, and membership organizations	.00158	.00073	.00156	.00261	.00533	.00034	.00070	...	...	...
78	Federal Government enterprises	.00171	.00363	.00414	.00954	.00953	.00079	.00289	...	...	...
79	State and local government enterprises	.00069	.00120	.00034	.00034	.00042	.00038	.01081	...	...	...
80	Noncomparable imports	.00046	.00009	.00183	.00004	.00009	.02070	...	...	...	...
81	Scrap, used and secondhand goods	(*)	.00366	–.00128	...	...	...	...	...	...	...
82	General government industry	...	...	...	...	...	...	...	...	...	...
83	Rest of the world adjustment to final uses	...	...	...	...	...	...	...	...	...	...
84	Household industry	...	...	...	...	...	...	...	...	...	...
85	Inventory valuation adjustment	...	...	...	...	...	...	...	...	...	...
I	Total intermediate inputs	.52032	.47254	.45046	.34255	.44948	.23107	.56803	...	...	...
VA	Value added	.47967	.52746	.54954	.65745	.55052	.76893	.43197	1.00000	1.00000	1.00000
T	**Total** [1]	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**

* Less than .000005.

1. Detail may not add to 1 because of rounding.

Table 3.2.—Input Components by Industry: Direct Requirements, 1992 Benchmark

[Direct requirements per dollar of total industry output, at producers' prices]

Industry number		Value added				Total intermediate inputs	Total [1]	Industry number
		Total	Compensation of employees	Indirect business tax and nontax liability	Other value added			
1	Livestock and livestock products	0.17052	0.04951	0.01416	0.10685	0.82948	1.00000	1
2	Other agricultural products	.53318	.07266	.03128	.42924	.46682	1.00000	2
3	Forestry and fishery products	.49995	.17175	.05337	.27484	.50005	1.00000	3
4	Agricultural, forestry, and fishery services	.60111	.50296	.02014	.07801	.39889	1.00000	4
5+6	Metallic ores mining	.40283	.25314	.05042	.09927	.59717	1.00000	5+6
7	Coal mining	.58714	.31081	.09024	.18609	.41286	1.00000	7
8	Crude petroleum and natural gas	.46800	.13407	.04488	.28905	.53200	1.00000	8
9+10	Nonmetallic minerals mining	.60035	.32890	.04217	.22928	.39965	1.00000	9+10
11	New construction	.44375	.34960	.00621	.08794	.55625	1.00000	11
12	Maintenance and repair construction	.49398	.37362	.00319	.11717	.50602	1.00000	12
13	Ordnance and accessories	.57962	.39484	.01211	.17267	.42038	1.00000	13
14	Food and kindred products	.30608	.13718	.02508	.14382	.69392	1.00000	14
15	Tobacco products	.64094	.08374	.13800	.41919	.35906	1.00000	15
16	Broad and narrow fabrics, yarn and thread mills	.34863	.25032	.00598	.09233	.65137	1.00000	16
17	Miscellaneous textile goods and floor coverings	.32816	.20432	.00688	.11695	.67184	1.00000	17
18	Apparel	.33730	.27610	.00356	.05764	.66270	1.00000	18
19	Miscellaneous fabricated textile products	.38720	.27059	.00451	.11210	.61281	1.00000	19
20+21	Lumber and wood products	.36675	.21297	.00553	.14825	.63325	1.00000	20+21
22+23	Furniture and fixtures	.45285	.30253	.00517	.14515	.54715	1.00000	22+23
24	Paper and allied products, except containers	.40005	.20445	.00869	.18690	.59995	1.00000	24
25	Paperboard containers and boxes	.32250	.24992	.00877	.06381	.67750	1.00000	25
26A	Newspapers and periodicals	.59983	.33669	.00563	.25752	.40017	1.00000	26A
26B	Other printing and publishing	.52016	.30979	.00553	.20484	.47984	1.00000	26B
27A	Industrial and other chemicals	.36665	.19987	.01581	.15097	.63335	1.00000	27A
27B	Agricultural fertilizers and chemicals	.34698	.13970	.00892	.19836	.65302	1.00000	27B
28	Plastics and synthetic materials	.30783	.19234	.00826	.10722	.69217	1.00000	28
29A	Drugs	.50989	.19212	.01093	.30684	.49011	1.00000	29A
29B	Cleaning and toilet preparations	.46202	.14750	.00861	.30592	.53798	1.00000	29B
30	Paints and allied products	.40647	.20285	.00852	.19510	.59353	1.00000	30
31	Petroleum refining and related products	.13401	.06050	.02882	.04469	.86599	1.00000	31
32	Rubber and miscellaneous plastics products	.43821	.27953	.00835	.15033	.56179	1.00000	32
33+34	Footwear, leather, and leather products	.37489	.25267	.00694	.11529	.62511	1.00000	33+34
35	Glass and glass products	.53017	.31170	.00898	.20949	.46983	1.00000	35
36	Stone and clay products	.45588	.29053	.00960	.15574	.54412	1.00000	36
37	Primary iron and steel manufacturing	.35802	.27323	.01131	.07348	.64198	1.00000	37
38	Primary nonferrous metals manufacturing	.25610	.17987	.01140	.06482	.74390	1.00000	38
39	Metal containers	.19150	.15446	.00712	.02993	.80850	1.00000	39
40	Heating, plumbing, and fabricated structural metal products	.41838	.30632	.00723	.10483	.58162	1.00000	40
41	Screw machine products and stampings	.43466	.37141	.00715	.05610	.56534	1.00000	41
42	Other fabricated metal products	.47317	.32329	.00711	.14277	.52683	1.00000	42
43	Engines and turbines	.38899	.26731	.00780	.11388	.61101	1.00000	43
44+45	Farm, construction, and mining machinery	.40892	.27358	.00809	.12725	.59108	1.00000	44+45
46	Materials handling machinery and equipment	.43155	.32826	.00773	.09556	.56845	1.00000	46
47	Metalworking machinery and equipment	.56152	.45992	.00789	.09371	.43848	1.00000	47
48	Special industry machinery and equipment	.47679	.36642	.00796	.10242	.52321	1.00000	48
49	General industrial machinery and equipment	.48541	.36077	.00788	.11676	.51459	1.00000	49
50	Miscellaneous machinery, except electrical	.56480	.47453	.00778	.08249	.43520	1.00000	50
51	Computer and office equipment	.28146	.20895	.00795	.06456	.71854	1.00000	51
52	Service industry machinery	.41455	.28286	.00798	.12372	.58545	1.00000	52
53	Electrical industrial equipment and apparatus	.48319	.33076	.00737	.14506	.51681	1.00000	53
54	Household appliances	.35243	.21075	.00781	.13387	.64757	1.00000	54
55	Electric lighting and wiring equipment	.47224	.29868	.00748	.16608	.52776	1.00000	55
56	Audio, video, and communication equipment	.47213	.27704	.00736	.18773	.52787	1.00000	56
57	Electronic components and accessories	.48520	.33266	.00741	.14512	.51480	1.00000	57
58	Miscellaneous electrical machinery and supplies	.41917	.29529	.00754	.11634	.58083	1.00000	58
59A	Motor vehicles (passenger cars and trucks)	.15894	.11261	.00637	.03996	.84106	1.00000	59A
59B	Truck and bus bodies, trailers, and motor vehicles parts	.31502	.27857	.00546	.03098	.68498	1.00000	59B
60	Aircraft and parts	.42751	.34470	.00659	.07623	.57249	1.00000	60
61	Other transportation equipment	.47897	.35337	.00607	.11953	.52103	1.00000	61
62	Scientific and controlling instruments	.57093	.37522	.00605	.18966	.42907	1.00000	62
63	Ophthalmic and photographic equipment	.59339	.20447	.00605	.38287	.40661	1.00000	63
64	Miscellaneous manufacturing	.43452	.29723	.00825	.12903	.56548	1.00000	64
65A	Railroads and related services; passenger ground transportation	.61682	.42074	.01804	.17803	.38318	1.00000	65A
65B	Motor freight transportation and warehousing	.49937	.33263	.01566	.15108	.50063	1.00000	65B
65C	Water transportation	.39445	.22010	.01797	.15638	.60555	1.00000	65C
65D	Air transportation	.44790	.34800	.06051	.03940	.55210	1.00000	65D
65E	Pipelines, freight forwarders, and related services	.58377	.31860	.02954	.23563	.41623	1.00000	65E
66	Communications, except radio and TV	.57936	.21125	.06065	.30747	.42064	1.00000	66
67	Radio and TV broadcasting	.40223	.28608	.01843	.09772	.59777	1.00000	67
68A	Electric services (utilities)	.64938	.13023	.07346	.44569	.35062	1.00000	68A
68B	Gas production and distribution (utilities)	.24016	.06266	.04647	.13104	.75984	1.00000	68B
68C	Water and sanitary services	.45887	.22610	.09556	.13721	.54113	1.00000	68C
69A	Wholesale trade	.70291	.40665	.17842	.11784	.29708	1.00000	69A
69B	Retail trade	.68834	.41412	.14010	.13411	.31165	1.00000	69B
70A	Finance	.60097	.34949	.03925	.21223	.39903	1.00000	70A
70B	Insurance	.44949	.39773	.06023	–.00848	.55049	1.00000	70B
71A	Owner-occupied dwellings	.87224	...	.15970	.71254	.12776	1.00000	71A
71B	Real estate and royalties	.74936	.08790	.14493	.51654	.25063	1.00000	71B
72A	Hotels and lodging places	.56258	.35512	.08761	.11985	.43742	1.00000	72A
72B	Personal and repair services (except auto)	.58838	.33107	.02283	.23448	.41162	1.00000	72B
73A	Computer and data processing services	.61648	.42702	.01615	.17331	.38352	1.00000	73A
73B	Legal, engineering, accounting, and related services	.66700	.46509	.00670	.19521	.33300	1.00000	73B
73C	Other business and professional services, except medical	.72481	.42605	.01638	.28239	.27518	1.00000	73C
73D	Advertising	.64386	.39424	.01179	.23784	.35614	1.00000	73D
74	Eating and drinking places	.47967	.33930	.05930	.08107	.52032	1.00000	74
75	Automotive repair and services	.52746	.28234	.04847	.19665	.47254	1.00000	75
76	Amusements	.54954	.32466	.04130	.18358	.45046	1.00000	76
77A	Health services	.65745	.51475	.00608	.13662	.34255	1.00000	77A
77B	Educational and social services, and membership organizations	.55052	.50856	.00229	.03967	.44948	1.00000	77B
78	Federal Government enterprises	.76893	.78461	...	–.01568	.23107	1.00000	78
79	State and local government enterprises	.43197	.29738	...	.13458	.56803	1.00000	79
82	General government industry	1.00000	.85586	...	.14414	...	1.00000	82
84	Household industry	1.00000	1.00000	...	...	...	1.00000	84
85	Inventory valuation adjustment	1.00000	...	...	1.00000	...	1.00000	85

1. Detail may not add to 1 because of rounding.

Table 4.—Commodity-by-Commodity

[Total requirements, direct and indirect, per dollar

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Nonmetallic minerals mining	New construction	Maintenance and repair construction	Ordnance and accessories
	Commodity number	1	2	3	4	5+6	7	8	9+10	11	12	13
1	Livestock and livestock products	1.20722	0.00324	0.02212	0.03306	0.00077	0.00058	0.00048	0.00056	0.00077	0.00080	0.00062
2	Other agricultural products	.33041	1.04011	.03492	.12683	.00168	.00111	.00090	.00091	.00422	.00465	.00104
3	Forestry and fishery products	.00296	.00120	1.02374	.00197	.00121	.00074	.00053	.00053	.00668	.00822	.00082
4	Agricultural, forestry, and fishery services	.08015	.07790	.18378	1.02006	.00289	.00145	.00178	.00118	.00510	.00610	.00172
5+6	Metallic ores mining	.00097	.00086	.00059	.00074	1.24342	.00146	.00124	.00196	.00300	.00261	.00370
7	Coal mining	.00440	.00237	.00117	.00160	.01400	1.13119	.00333	.01117	.00305	.00261	.00300
8	Crude petroleum and natural gas	.02986	.03761	.03230	.02231	.04589	.02942	1.27159	.05151	.02032	.02522	.01148
9+10	Nonmetallic minerals mining	.00404	.00889	.00223	.00619	.00334	.00148	.00122	1.04025	.01239	.01312	.00098
11	New construction	.....	.....	.....	.....	.....	.....	.....	.....	1.00037	.....	.....
12	Maintenance and repair construction	.03693	.02881	.04135	.02166	.04339	.01544	.04970	.02242	.01221	1.01187	.01631
13	Ordnance and accessories	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00002	.00002	1.01284
14	Food and kindred products	.25384	.00414	.04449	.01738	.00313	.00224	.00198	.00241	.00249	.00247	.00254
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00268	.00499	.00240	.00281	.00069	.00507	.00028	.00062	.00213	.00198	.00187
17	Miscellaneous textile goods and floor coverings	.00341	.00282	.00677	.00371	.00056	.00045	.00030	.00048	.00362	.00393	.00077
18	Apparel	.00032	.00025	.00022	.00027	.00018	.00034	.00011	.00016	.00026	.00026	.00088
19	Miscellaneous fabricated textile products	.00107	.00206	.00163	.00339	.00024	.00019	.00017	.00018	.00089	.00106	.00033
20+21	Lumber and wood products	.00908	.01085	.00564	.00445	.01153	.00656	.00532	.00362	.07719	.09569	.00654
22+23	Furniture and fixtures	.00004	.00004	.00004	.00004	.00004	.00003	.00003	.00003	.00314	.00019	.00030
24	Paper and allied products, except containers	.01745	.01083	.00792	.00802	.00520	.00354	.00279	.00505	.01214	.00996	.00633
25	Paperboard containers and boxes	.01008	.00958	.00525	.00777	.00250	.00166	.00088	.00186	.00397	.00369	.00433
26A	Newspapers and periodicals	.00045	.00030	.00025	.00040	.00024	.00023	.00018	.00155	.00032	.00029	.00034
26B	Other printing and publishing	.00568	.00352	.00378	.00368	.00315	.00257	.00231	.00294	.00436	.00398	.00294
27A	Industrial and other chemicals	.01950	.02234	.01081	.02007	.08512	.01986	.02157	.03189	.02165	.02018	.02272
27B	Agricultural fertilizers and chemicals	.03958	.09872	.02456	.09862	.00146	.00063	.00057	.00061	.00142	.00158	.00142
28	Plastics and synthetic materials	.00624	.00487	.00429	.00376	.00532	.00478	.00146	.00475	.01018	.01018	.01118
29A	Drugs	.00569	.00021	.00038	.00047	.00010	.00004	.00003	.00005	.00005	.00004	.00005
29B	Cleaning and toilet preparations	.00202	.00097	.00191	.00093	.00066	.00041	.00036	.00083	.00110	.00122	.00043
30	Paints and allied products	.00092	.00068	.00075	.00080	.00131	.00066	.00078	.00081	.01042	.01062	.00117
31	Petroleum refining and related products	.03386	.03972	.04337	.01991	.04458	.03792	.01376	.05191	.02299	.03155	.00945
32	Rubber and miscellaneous plastics products	.01966	.01240	.00790	.00777	.01921	.01681	.00380	.01978	.02646	.02771	.02442
33+34	Footwear, leather, and leather products	.00063	.00010	.00033	.00017	.00006	.00004	.00006	.00004	.00012	.00012	.00006
35	Glass and glass products	.00370	.00078	.00115	.00121	.00091	.00069	.00044	.00140	.00464	.00274	.00160
36	Stone and clay products	.00264	.00337	.00205	.00180	.01088	.00650	.00505	.00792	.06001	.03390	.00426
37	Primary iron and steel manufacturing	.00795	.00591	.00526	.00413	.05731	.01998	.02230	.02809	.03558	.02945	.03455
38	Primary nonferrous metals manufacturing	.00734	.00385	.00398	.00330	.00896	.00733	.00382	.00708	.02881	.02597	.04539
39	Metal containers	.00697	.00092	.00166	.00121	.00076	.00031	.00026	.00042	.00073	.00073	.00035
40	Heating, plumbing, and fabricated structural metal products	.00269	.00226	.00249	.00141	.01417	.00627	.00311	.00811	.05544	.04552	.00236
41	Screw machine products and stampings	.00204	.00104	.00106	.00095	.00411	.00783	.00088	.00330	.00480	.00418	.01118
42	Other fabricated metal products	.00721	.00578	.00441	.00527	.00623	.00678	.00828	.00538	.02894	.02417	.01951
43	Engines and turbines	.00100	.00080	.00177	.00047	.00657	.00707	.00086	.00606	.00084	.00075	.00165
44+45	Farm, construction, and mining machinery	.00629	.00764	.00521	.00249	.03887	.03885	.00396	.04034	.00297	.00283	.00041
46	Materials handling machinery and equipment	.00024	.00026	.00013	.00019	.00805	.00685	.00073	.01509	.00333	.00048	.00015
47	Metalworking machinery and equipment	.00135	.00102	.00070	.00056	.00248	.00152	.00085	.00154	.00285	.00229	.00460
48	Special industry machinery and equipment	.00055	.00042	.00035	.00042	.00068	.00029	.00022	.00037	.00054	.00054	.00333
49	General industrial machinery and equipment	.00211	.00183	.00161	.00098	.00828	.01309	.00249	.01126	.01034	.00527	.01543
50	Miscellaneous machinery, except electrical	.00315	.00304	.00191	.00194	.00693	.00860	.00331	.00515	.00416	.00309	.01165
51	Computer and office equipment	.00112	.00081	.00083	.00079	.00117	.00076	.00078	.00111	.00143	.00122	.00407
52	Service industry machinery	.00073	.00056	.00087	.00057	.00076	.00052	.00077	.00063	.01241	.01202	.00036
53	Electrical industrial equipment and apparatus	.00176	.00131	.00134	.00090	.00473	.00493	.00202	.00617	.00986	.00798	.00909
54	Household appliances	.00015	.00013	.00014	.00010	.00016	.00007	.00017	.00008	.00229	.00273	.00008
55	Electric lighting and wiring equipment	.00167	.00123	.00139	.00135	.00111	.00118	.00112	.00073	.01948	.01773	.00160
56	Audio, video, and communication equipment	.00042	.00031	.00031	.00029	.00036	.00021	.00032	.00028	.00466	.00326	.01234
57	Electronic components and accessories	.00332	.00259	.00222	.00221	.00272	.00200	.00149	.00257	.00537	.00464	.07289
58	Miscellaneous electrical machinery and supplies	.00493	.00556	.00241	.00249	.00141	.00115	.00062	.00190	.00307	.00280	.00095
59A	Motor vehicles (passenger cars and trucks)	.00004	.00003	.00004	.00003	.00004	.00004	.00002	.00004	.00004	.00005	.00002
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00447	.00388	.00522	.00462	.00449	.00355	.00174	.00576	.00437	.00475	.00181
60	Aircraft and parts	.00023	.00019	.00031	.00054	.00039	.00035	.00021	.00031	.00027	.00025	.09209
61	Other transportation equipment	.00056	.00025	.00049	.00021	.00063	.00087	.00021	.00027	.00041	.00043	.00021
62	Scientific and controlling instruments	.00082	.00046	.00165	.00067	.00082	.00034	.00039	.00040	.00424	.00351	.03487
63	Ophthalmic and photographic equipment	.00072	.00050	.00052	.00077	.00056	.00054	.00055	.00045	.00093	.00081	.00077
64	Miscellaneous manufacturing	.00126	.00099	.00090	.00074	.00089	.00061	.00059	.00092	.00445	.00428	.00048
65A	Railroads and related services; passenger ground transportation	.02287	.00712	.00465	.00672	.01385	.03642	.00446	.00921	.00719	.00701	.00479
65B	Motor freight transportation and warehousing	.05148	.02760	.01483	.02547	.03257	.02325	.00940	.03161	.03690	.03488	.01939
65C	Water transportation	.00448	.00367	.01664	.00218	.00440	.00798	.00446	.00317	.00323	.00328	.00106
65D	Air transportation	.00561	.00446	.00742	.01446	.00766	.00665	.00530	.00588	.00561	.00534	.00842
65E	Pipelines, freight forwarders, and related services	.00503	.00317	.00353	.00314	.00395	.00348	.00191	.00385	.00280	.00296	.00197
66	Communications, except radio and TV	.01291	.00891	.00730	.00935	.00974	.00655	.00779	.00879	.01258	.01252	.00917
67	Radio and TV broadcasting	.00009	.00005	.00005	.00006	.00005	.00004	.00004	.00005	.00007	.00006	.00007
68A	Electric services (utilities)	.03736	.01822	.00844	.01143	.10358	.03209	.02699	.05772	.01595	.01493	.01958
68B	Gas production and distribution (utilities)	.01200	.01466	.00832	.00838	.02576	.01002	.04649	.03558	.00948	.00914	.00794
68C	Water and sanitary services	.00676	.00842	.00334	.00317	.00324	.00211	.00373	.00301	.00405	.00410	.00326
69A	Wholesale trade	.12473	.08357	.04815	.06489	.06621	.05650	.02424	.06185	.07792	.07459	.05904
69B	Retail trade	.00337	.00224	.00435	.00208	.00465	.00299	.00427	.00515	.04214	.04703	.00157
70A	Finance	.02231	.01531	.01812	.01612	.02204	.01669	.01603	.01936	.01954	.01810	.01663
70B	Insurance	.01117	.00758	.01020	.00659	.00698	.00452	.00415	.00693	.01128	.00813	.00402
71A	Owner-occupied dwellings	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties	.11111	.11664	.03288	.04190	.03599	.04221	.23114	.03483	.03246	.03141	.02500
72A	Hotels and lodging places	.00383	.00266	.00460	.00346	.00641	.00527	.00499	.00500	.00432	.00407	.00556
72B	Personal and repair services (except auto)	.00305	.00270	.00234	.00420	.00241	.00160	.00178	.00186	.00271	.00269	.00259
73A	Computer and data processing services	.00885	.00607	.00653	.00610	.01053	.00658	.00589	.01032	.00963	.00856	.01506
73B	Legal, engineering, accounting, and related services	.01719	.01425	.03326	.02516	.03371	.02715	.03661	.02225	.08607	.05053	.01666
73C	Other business and professional services, except medical	.03654	.03096	.03421	.02951	.03760	.02458	.02329	.02647	.05858	.05843	.03494
73D	Advertising	.01667	.00850	.00842	.01110	.00813	.00653	.00721	.00957	.01187	.01151	.01323
74	Eating and drinking places	.00456	.00312	.00566	.00459	.00841	.00654	.00603	.00700	.00540	.00516	.00747
75	Automotive repair and services	.01388	.01165	.01193	.01853	.01212	.00650	.00570	.00776	.01422	.01525	.00722
76	Amusements	.00322	.00207	.00314	.01053	.00166	.00155	.00163	.00163	.00216	.00212	.00214
77A	Health services	.01915	.00008	.00064	.00082	.00003	.00002	.00001	.00002	.00003	.00003	.00002
77B	Educational and social services, and membership organizations	.00257	.00177	.00335	.00173	.00359	.00328	.00186	.00183	.00187	.00174	.00218
78	Federal Government enterprises	.00333	.00230	.00265	.00295	.00366	.00192	.00220	.00260	.00435	.00413	.00220
79	State and local government enterprises	.00130	.00107	.00072	.00116	.00112	.00065	.00053	.00067	.00103	.00093	.00126
80	Noncomparable imports	.00472	.00384	.00422	.00385	.01417	.00454	.01469	.00505	.00430	.00402	.00429
81	Scrap, used and secondhand goods	.00087	.00057	.00052	.00053	.00237	.00107	.00095	.00134	.00288	.00250	.00348
82	General government industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83	Rest of the world adjustment to final uses	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Household industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Inventory valuation adjustment	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total commodity output multiplier	**2.77758**	**1.90133**	**1.87759**	**1.82156**	**2.22386**	**1.78527**	**1.95880**	**1.81358**	**2.08087**	**1.99545**	**1.83885**

* Less than .000005.

Total Requirements, 1992

of delivery to final demand, at producers' prices]

Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Commodity number
14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	28	29A	29B	30	
0.25270	0.00073	0.01560	0.00752	0.00577	0.00753	0.00327	0.00219	0.00300	0.00174	0.00076	0.00098	0.00200	0.00492	0.00209	0.00222	0.00471	0.00342	1
.16571	.08804	.08964	.02338	.02755	.03240	.00508	.00634	.00390	.00243	.00103	.00148	.01105	.00518	.01129	.00485	.00481	.00579	2
.01038	.00049	.00079	.00106	.00424	.00110	.11879	.01031	.01008	.00470	.00130	.00207	.00121	.00147	.00130	.00115	.00137	.00128	3
.02652	.00707	.00841	.00333	.00391	.00390	.02235	.00354	.00333	.00213	.00138	.00147	.00236	.00207	.00235	.00171	.00180	.00182	4
.00171	.00031	.00212	.00270	.00102	.00133	.00117	.00395	.00174	.00197	.00049	.00088	.01450	.00469	.00678	.00098	.00289	.00701	5+6
.00420	.00184	.00703	.00633	.00439	.00448	.00328	.00467	.00994	.00710	.00204	.00317	.00781	.00681	.00753	.00240	.00328	.00441	7
.02394	.00831	.03534	.03967	.02060	.02438	.02272	.01899	.03517	.03084	.01033	.01550	.13384	.10802	.07680	.01341	.03470	.05253	8
.00251	.00107	.00289	.00299	.00127	.00165	.00166	.00153	.00587	.00316	.00098	.00149	.01348	.05956	.00628	.00113	.00310	.00563	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.02473	.00955	.02553	.02997	.02045	.02117	.02035	.01833	.03171	.02588	.01630	.01882	.03370	.03112	.03345	.01757	.01979	.02268	12
.00001	.00001	.00001	.00001	.00002	.00001	.00001	.00001	.00001	.00001	.00002	.00001	.00002	.00002	.00001	.00001	.00002	.00001	13
1.24042	.00234	.00716	.00672	.00564	.00820	.00817	.00565	.01321	.00764	.00327	.00419	.00882	.02286	.00706	.00864	.01698	.01595	14
(*)	1.09094	(*)	(*)	(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)	15
.00193	.00088	1.28056	.22102	.35746	.36981	.00182	.06561	.00530	.00267	.00094	.00272	.00097	.00081	.00623	.00096	.00200	.00138	16
.00180	.00068	.00268	1.03191	.00398	.05949	.00416	.02860	.00911	.00412	.00121	.00237	.00067	.00064	.00140	.00085	.00191	.00051	17
.00030	.00013	.00403	.00152	1.24775	.03080	.00041	.00059	.00037	.00032	.00016	.00022	.00026	.00026	.00037	.00022	.00030	.00025	18
.00083	.00035	.00061	.00065	.04142	1.03081	.00047	.00080	.00032	.00029	.00018	.00021	.00031	.00030	.00031	.00025	.00036	.00026	19
.00897	.00397	.00518	.00723	.00434	.00689	1.43019	.11624	.11469	.05202	.01378	.02065	.00650	.00576	.00729	.00459	.00681	.00453	20+21
.00004	.00002	.00003	.00004	.00004	.00004	.00128	1.00991	.00014	.00008	.00005	.00005	.00004	.00004	.00004	.00003	.00003	.00003	22+23
.04061	.02101	.01184	.01863	.01090	.01155	.00898	.01855	1.18299	.49854	.12216	.19258	.01366	.01517	.02847	.02091	.03797	.01138	24
.02863	.01435	.00590	.00773	.00534	.00615	.00665	.01963	.01873	1.01187	.00364	.00979	.00869	.00885	.00953	.01489	.04226	.00483	25
.00051	.00065	.00028	.00040	.00033	.00030	.00051	.00039	.00042	.00101	1.02359	.00222	.00042	.00048	.00042	.00074	.00070	.00037	26A
.01032	.01518	.00388	.00475	.00528	.00483	.00438	.00475	.00703	.00578	.11427	1.13077	.00494	.01181	.00503	.01552	.01248	.00582	26B
.02617	.01084	.13155	.16450	.05027	.07576	.02256	.03309	.09835	.07542	.02509	.04346	1.29342	.17426	.42883	.04985	.15431	.32377	27A
.01809	.00862	.01123	.00584	.00386	.00470	.00738	.00188	.00260	.00168	.00063	.00093	.01312	1.12603	.01124	.00135	.00260	.00459	27B
.00959	.01129	.21993	.29666	.08265	.11464	.01287	.03528	.04456	.02763	.00589	.01184	.01810	.00767	1.06261	.00752	.01790	.13812	28
.00552	.00005	.00023	.00023	.00012	.00018	.00009	.00008	.00017	.00012	.00005	.00007	.00110	.00195	.00045	1.14999	.00325	.00035	29A
.00256	.00235	.00358	.00719	.00678	.00265	.00093	.00178	.00624	.00303	.00090	.00134	.00344	.00628	.00703	.00179	1.05384	.00233	29B
.00144	.00033	.00120	.00148	.00074	.00085	.00319	.01050	.00146	.00447	.00047	.00072	.00669	.00173	.00323	.00069	.00195	1.02066	30
.02241	.00823	.02022	.02084	.01391	.01531	.02490	.01656	.02278	.02553	.00862	.01158	.03944	.03243	.02686	.00838	.02425	.03029	31
.03357	.01096	.02229	.03172	.01833	.03192	.02130	.05747	.05049	.03062	.00932	.02493	.02380	.02203	.05321	.03112	.07392	.01589	32
.00020	.00005	.00022	.00016	.00728	.02739	.00029	.00149	.00010	.00008	.00010	.00013	.00008	.00008	.00009	.00007	.00011	.00006	33+34
.01425	.00038	.01118	.00362	.00368	.00483	.00578	.00638	.00163	.00118	.00052	.00078	.00221	.00229	.00187	.00595	.00734	.00157	35
.00226	.00087	.00204	.00237	.00144	.00160	.00803	.00647	.00372	.00268	.00109	.00147	.00410	.00445	.00310	.00145	.00199	.01658	36
.01275	.00210	.00513	.00702	.00403	.00465	.01255	.06269	.00783	.01688	.00261	.00457	.01534	.01021	.00954	.00390	.00900	.01586	37
.01873	.00161	.00375	.00496	.00391	.00349	.00817	.02632	.00699	.01049	.00237	.00468	.01000	.00754	.00633	.00347	.00982	.02313	38
.03185	.00027	.00141	.00168	.00075	.00095	.00068	.00094	.00124	.00115	.00033	.00052	.00829	.00780	.00400	.00245	.01339	.04101	39
.00171	.00067	.00158	.00194	.00129	.00136	.00981	.00211	.00257	.00195	.00103	.00131	.00233	.00224	.00208	.00112	.00132	.00149	40
.00311	.00048	.00093	.00119	.00082	.00093	.00768	.01411	.00193	.00220	.00068	.00101	.00149	.00145	.00132	.00195	.00231	.00136	41
.00869	.00291	.00376	.00471	.00287	.00334	.02019	.05553	.00987	.01446	.00275	.00389	.01178	.00774	.00752	.00323	.00710	.00613	42
.00072	.00023	.00071	.00073	.00050	.00055	.00079	.00065	.00081	.00075	.00033	.00050	.00103	.00113	.00088	.00032	.00050	.00073	43
.00237	.00078	.00131	.00088	.00063	.00069	.00097	.00062	.00096	.00069	.00025	.00036	.00232	.00320	.00130	.00033	.00062	.00101	44+45
.00022	.00008	.00024	.00024	.00019	.00019	.00067	.00028	.00033	.00027	.00011	.00014	.00062	.00111	.00037	.00015	.00022	.00031	46
.00133	.00061	.00131	.00137	.00088	.00123	.00238	.00304	.00166	.00211	.00055	.00097	.00153	.00100	.00158	.00062	.00115	.00126	47
.00114	.00044	.00333	.01389	.00489	.00433	.00105	.00161	.00465	.00705	.00153	.00563	.00696	.00168	.00398	.00080	.00187	.00213	48
.00218	.00047	.00116	.00157	.00101	.00105	.00401	.00427	.00196	.00175	.00061	.00091	.00204	.00252	.00199	.00139	.00116	.00155	49
.00304	.00105	.00472	.00492	.00292	.00389	.00473	.00560	.00524	.00553	.00162	.00288	.00666	.00347	.00563	.00188	.00353	.00342	50
.00117	.00085	.00125	.00142	.00121	.00110	.00111	.00113	.00135	.00132	.00193	.00167	.00154	.00159	.00164	.00130	.00125	.00123	51
.00071	.00042	.00062	.00071	.00052	.00052	.00185	.00068	.00090	.00070	.00042	.00048	.00118	.00078	.00093	.00045	.00073	.00064	52
.00179	.00101	.00142	.00196	.00125	.00120	.00186	.00249	.00197	.00194	.00087	.00126	.00287	.00211	.00213	.00106	.00192	.00180	53
.00012	.00005	.00016	.00016	.00011	.00012	.00294	.00031	.00036	.00022	.00009	.00012	.00014	.00014	.00015	.00008	.00009	.00010	54
.00121	.00082	.00085	.00086	.00064	.00066	.00296	.00097	.00132	.00094	.00054	.00064	.00098	.00099	.00102	.00075	.00115	.00076	55
.00036	.00022	.00032	.00038	.00033	.00031	.00032	.00033	.00036	.00037	.00036	.00037	.00039	.00039	.00042	.00034	.00036	.00034	56
.00308	.00173	.00287	.00315	.00322	.00266	.00303	.00309	.00322	.00323	.00305	.00316	.00336	.00333	.00342	.00316	.00291	.00305	57
.00210	.00087	.00109	.00089	.00080	.00074	.00121	.00071	.00087	.00084	.00093	.00074	.00090	.00097	.00089	.00060	.00068	.00073	58
.00003	.00001	.00003	.00003	.00002	.00002	.00015	.00004	.00005	.00004	.00002	.00002	.00003	.00004	.00004	.00002	.00002	.00003	59A
.00386	.00147	.00286	.00309	.00236	.00232	.00747	.00306	.00384	.00385	.00243	.00260	.00327	.00409	.00332	.00196	.00230	.00297	59B
.00033	.00020	.00033	.00036	.00038	.00038	.00034	.00034	.00034	.00041	.00027	.00031	.00040	.00033	.00038	.00027	.00031	.00032	60
.00046	.00011	.00034	.00043	.00025	.00030	.00047	.00029	.00052	.00053	.00020	.00026	.00054	.00067	.00056	.00018	.00033	.00068	61
.00055	.00031	.00053	.00070	.00039	.00044	.00069	.00081	.00104	.00087	.00081	.00158	.00163	.00121	.00109	.00079	.00070	.00101	62
.00083	.00079	.00079	.00086	.00085	.00072	.00081	.00083	.00093	.00085	.00372	.00949	.00105	.00098	.00099	.00176	.00112	.00111	63
.00092	.00064	.00077	.00086	.01466	.00237	.00132	.00097	.00079	.00074	.00106	.00152	.00078	.00079	.00081	.00124	.00089	.00071	64
.01657	.00328	.01264	.01538	.00693	.00817	.01438	.01007	.02004	.02291	.00704	.01009	.01820	.02364	.01936	.00556	.01160	.02722	65A
.04430	.01327	.03343	.04337	.02776	.03378	.05076	.03540	.05589	.07443	.02173	.03469	.04534	.08705	.04694	.01480	.03216	.05308	65B
.00519	.00098	.00311	.00454	.00166	.00225	.00554	.00250	.00469	.00323	.00096	.00155	.00699	.00829	.00704	.00118	.00352	.00685	65C
.00842	.00513	.00827	.00896	.01007	.00984	.00839	.00812	.00841	.01027	.00700	.00784	.00827	.00801	.00897	.00685	.00771	.00774	65D
.00379	.00140	.00343	.00404	.00276	.00307	.00377	.00284	.00427	.00490	.00194	.00261	.00816	.00626	.00578	.00182	.00350	.00524	65E
.01097	.00664	.00988	.01226	.01059	.01037	.00998	.01114	.01056	.01226	.01303	.01127	.01103	.01175	.01374	.01103	.01140	.01121	66
.00022	.00048	.00007	.00011	.00013	.00009	.00008	.00011	.00009	.00008	.00021	.00011	.00010	.00014	.00010	.00039	.00040	.00013	67
.02753	.00804	.05107	.04030	.03226	.03284	.02625	.02581	.04392	.03447	.01361	.02066	.04463	.03654	.04606	.01601	.02060	.02721	68A
.01511	.00410	.02243	.02481	.01525	.01696	.01117	.01238	.02830	.01985	.00665	.01077	.04852	.04634	.03875	.00887	.01523	.02189	68B
.00577	.00190	.00626	.00770	.00393	.00525	.00478	.00443	.01020	.00719	.00269	.00398	.01252	.01108	.01190	.00426	.00559	.00933	68C
.12083	.03700	.09991	.09606	.09692	.09955	.11097	.11358	.09526	.11634	.04965	.06879	.09240	.09377	.09934	.09166	.08892	.09203	69A
.00465	.00409	.00317	.00305	.00241	.00251	.00348	.00381	.00442	.00348	.00217	.00233	.00362	.00385	.00366	.00250	.00530	.00262	69B
.02255	.01401	.02047	.02277	.02148	.02107	.02159	.02092	.02118	.02236	.01682	.01777	.02270	.02643	.02415	.01809	.02027	.02252	70A
.00778	.00394	.00581	.00600	.00555	.00555	.00684	.00563	.00599	.00627	.00449	.00487	.00611	.00667	.00611	.00416	.00499	.00561	70B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71A
.05434	.02497	.03659	.03418	.03885	.04037	.03170	.03275	.02944	.03087	.05660	.04725	.05243	.04673	.04160	.02922	.03514	.03345	71B
.00609	.00473	.00641	.00727	.00724	.00683	.00683	.00637	.00660	.00724	.00544	.00584	.00667	.00695	.00722	.00577	.00635	.00691	72A
.00368	.00214	.01026	.00851	.00595	.00550	.00396	.00352	.00568	.00524	.00238	.00323	.00487	.00533	.00608	.00262	.00317	.00346	72B
.00985	.00607	.01125	.01292	.01000	.00982	.00986	.00987	.01239	.01221	.01437	.01079	.01299	.01421	.01465	.00981	.01018	.01063	73A
.01743	.01817	.02359	.02901	.01842	.02009	.01944	.02136	.01900	.01747	.02446	.01543	.04805	.03686	.05469	.04459	.03335	.03537	73B
.03905	.02310	.04004	.04147	.08208	.03765	.03860	.04114	.04050	.04218	.05521	.03821	.04415	.05083	.04619	.04972	.04239	.03635	73C
.04190	.09190	.01282	.02125	.02400	.01570	.01399	.02096	.01685	.01390	.03963	.02090	.01790	.02632	.01820	.07576	.07735	.02426	73D
.00762	.00581	.00864	.00944	.00996	.00946	.00913	.00878	.00847	.00922	.00674	.00744	.00842	.00860	.00911	.00708	.00793	.00856	74
.01379	.00707	.01347	.01469	.01049	.01073	.01483	.01072	.01659	.01707	.00889	.01170	.01406	.01755	.01599	.00779	.01016	.01212	75
.00575	.01075	.00225	.00324	.00373	.00250	.00269	.00306	.00287	.00261	.00531	.00320	.00300	.00376	.00322	.00924	.00944	.00383	76
.00406	.00002	.00026	.00014	.00011	.00013	.00010	.00005	.00007	.00006	.00002	.00003	.00005	.00011	.00005	.00005	.00009	.00008	77A
.00254	.00182	.00250	.00277	.00273	.00729	.00573	.00340	.00309	.00273	.00221	.00273	.00273	.00309	.00387	.00548	.00345	.00252	77B
.00340	.00325	.00329	.00403	.00405	.00420	.00346	.00396	.00334	.00353	.01124	.00533	.00367	.00346	.00367	.00311	.00389	.00329	78
.00191	.00110	.00158	.00267	.00376	.00371	.00301	.00279	.00287	.00217	.00247	.00260	.00164	.00265	.00201	.00090	.00109	.00109	79
.00606	.00253	.00649	.00748	.00505	.00508	.00430	.00504	.00615	.00587	.00473	.00593	.01520	.00923	.01304	.03779	.01549	.01235	80
.00181	.00035	.00058	.00291	.00048	.00063	.00104	.00378	.01019	.00517	.00122	.00199	.00121	.00123	.00095	.00052	.00118	.00182	81
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.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
2.60115	**1.65109**	**2.43670**	**2.50449**	**2.47704**	**2.37815**	**2.31991**	**2.13969**	**2.25040**	**2.43444**	**1.79098**	**1.94046**	**2.32586**	**2.34627**	**2.44927**	**1.88335**	**2.09829**	**2.30776**	

Table 4.—Commodity-by-Commodity

[Total requirements, direct and indirect, per dollar

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products
	Commodity number	31	32	33+34	35	36	37	38	39	40	41	42
1	Livestock and livestock products	0.00086	0.00155	0.04831	0.00075	0.00089	0.00069	0.00082	0.00094	0.00073	0.00070	0.00075
2	Other agricultural products	.00141	.00478	.02880	.00141	.00166	.00106	.00154	.00148	.00109	.00102	.00125
3	Forestry and fishery products	.00070	.00899	.00218	.00233	.00121	.00087	.00147	.00103	.00086	.00076	.00105
4	Agricultural, forestry, and fishery services	.00172	.00306	.00550	.00162	.00157	.00141	.00179	.00151	.00127	.00115	.00133
5+6	Metallic ores mining	.00167	.00292	.00147	.00266	.00240	.04735	.06979	.03349	.01618	.01450	.01138
7	Coal mining	.00398	.00532	.00354	.01176	.01383	.03183	.00867	.01117	.00869	.00963	.00748
8	Crude petroleum and natural gas	.73232	.03373	.02534	.03187	.04171	.03238	.02984	.02823	.02018	.01910	.02057
9+10	Nonmetallic minerals mining	.00468	.00287	.00175	.01458	.07855	.00643	.00219	.00256	.00219	.00228	.00197
11	New construction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction	.05249	.02460	.02513	.02360	.02627	.02827	.02759	.02721	.01925	.02611	.02077
13	Ordnance and accessories	.00001	.00001	.00001	.00001	.00001	.00002	.00001	.00001	.00002	.00002	.00001
14	Food and kindred products	.00381	.00485	.14679	.00313	.00365	.00297	.00346	.00415	.00316	.00303	.00318
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00054	.01688	.05237	.00114	.00518	.00082	.00122	.00093	.00086	.00093	.00166
17	Miscellaneous textile goods and floor coverings	.00043	.01252	.02902	.00088	.00062	.00058	.00065	.00058	.00061	.00067	.00103
18	Apparel	.00020	.00050	.00248	.00022	.00025	.00031	.00033	.00035	.00027	.00028	.00040
19	Miscellaneous fabricated textile products	.00033	.00042	.00069	.00028	.00040	.00029	.00029	.00031	.00025	.00056	.00027
20+21	Lumber and wood products	.00640	.00896	.00599	.02400	.01157	.00818	.01132	.00828	.00688	.00653	.00767
22+23	Furniture and fixtures	.00004	.00005	.00004	.00006	.00005	.00005	.00005	.00005	.00006	.00027	.00007
24	Paper and allied products, except containers	.00596	.02976	.02392	.03046	.02122	.00638	.00770	.01452	.00896	.01056	.01493
25	Paperboard containers and boxes	.00274	.01709	.01074	.04832	.00611	.00252	.00425	.00650	.00730	.00809	.00867
26A	Newspapers and periodicals	.00030	.00040	.00043	.00028	.00049	.00034	.00033	.00037	.00035	.00034	.00033
26B	Other printing and publishing	.00385	.00456	.00668	.00335	.00386	.00597	.00455	.01384	.00443	.00468	.00439
27A	Industrial and other chemicals	.04043	.15585	.08138	.06782	.05011	.02977	.03824	.04169	.03154	.02280	.03569
27B	Agricultural fertilizers and chemicals	.00097	.00347	.00422	.00112	.00097	.00069	.00129	.00103	.00073	.00062	.00082
28	Plastics and synthetic materials	.00291	.20178	.03017	.00978	.01238	.00445	.02794	.01571	.00971	.00937	.01779
29A	Drugs	.00007	.00018	.00082	.00009	.00008	.00005	.00007	.00007	.00005	.00005	.00006
29B	Cleaning and toilet preparations	.00361	.00281	.00669	.00297	.00326	.00066	.00076	.00076	.00065	.00072	.00091
30	Paints and allied products	.00098	.00218	.00104	.00185	.00235	.00125	.00110	.02503	.00636	.00359	.00769
31	Petroleum refining and related products	1.10001	.01821	.01926	.01891	.03153	.02217	.02250	.02079	.01531	.01437	.01470
32	Rubber and miscellaneous plastics products	.00907	1.07541	.05393	.03220	.01797	.01110	.02374	.01590	.02117	.01485	.03763
33+34	Footwear, leather, and leather products	.00009	.00018	1.28291	.00007	.00007	.00008	.00007	.00008	.00014	.00009	.00009
35	Glass and glass products	.00322	.00733	.00295	1.09780	.00378	.00098	.00675	.00292	.00747	.00224	.00242
36	Stone and clay products	.00649	.00379	.00268	.01851	1.11446	.02432	.00685	.00881	.00825	.00924	.00792
37	Primary iron and steel manufacturing	.01638	.01528	.00717	.00873	.02105	1.23505	.03387	.24641	.24039	.27595	.17250
38	Primary nonferrous metals manufacturing	.00460	.00828	.00610	.00680	.00810	.04563	1.48559	.52351	.14372	.08997	.09885
39	Metal containers	.00163	.00153	.00448	.00070	.00070	.00049	.00071	1.09863	.00069	.00060	.00089
40	Heating, plumbing, and fabricated structural metal products	.00308	.00207	.00152	.00179	.00284	.00299	.00287	.00248	1.03893	.00262	.00344
41	Screw machine products and stampings	.00100	.00397	.00177	.00228	.00295	.00712	.00295	.00364	.01678	1.02001	.02386
42	Other fabricated metal products	.00760	.01146	.01246	.00440	.01180	.02598	.01504	.02887	.04523	.03441	1.07032
43	Engines and turbines	.00088	.00092	.00048	.00083	.00138	.00201	.00134	.00117	.00108	.00304	.00171
44+45	Farm, construction, and mining machinery	.00281	.00072	.00079	.00127	.00415	.00310	.00276	.00176	.00117	.00129	.00125
46	Materials handling machinery and equipment	.00060	.00024	.00018	.00042	.00144	.00103	.00096	.00064	.00043	.00040	.00034
47	Metalworking machinery and equipment	.00100	.00318	.00113	.00653	.00371	.01168	.01543	.00942	.01186	.02561	.00977
48	Special industry machinery and equipment	.00050	.00477	.00161	.00217	.00059	.00087	.00213	.00127	.00072	.00067	.00080
49	General industrial machinery and equipment	.00217	.00179	.00100	.00145	.00351	.02464	.01220	.00937	.00950	.00969	.00627
50	Miscellaneous machinery, except electrical	.00359	.00917	.00429	.00721	.00535	.01079	.00916	.00999	.01059	.02510	.01341
51	Computer and office equipment	.00153	.00133	.00147	.00117	.00136	.00168	.00166	.00166	.00135	.00145	.00147
52	Service industry machinery	.00090	.00067	.00060	.00067	.00075	.00071	.00066	.00066	.00108	.00084	.00058
53	Electrical industrial equipment and apparatus	.00190	.00214	.00122	.00397	.00236	.01281	.00723	.00572	.00677	.00577	.00985
54	Household appliances	.00019	.00012	.00011	.00015	.00014	.00015	.00014	.00014	.00011	.00013	.00011
55	Electric lighting and wiring equipment	.00124	.00115	.00077	.00125	.00124	.00094	.00207	.00126	.00083	.00113	.00087
56	Audio, video, and communication equipment	.00041	.00035	.00037	.00030	.00036	.00037	.00044	.00042	.00040	.00051	.00036
57	Electronic components and accessories	.00261	.00382	.00311	.00271	.00299	.00414	.00575	.00459	.00406	.00460	.00458
58	Miscellaneous electrical machinery and supplies	.00086	.00090	.00087	.00064	.00123	.00097	.00097	.00091	.00078	.00134	.00081
59A	Motor vehicles (passenger cars and trucks)	.00003	.00003	.00002	.00003	.00005	.00005	.00004	.00004	.00007	.00012	.00003
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00271	.00293	.00266	.00297	.00493	.00392	.00371	.00378	.00301	.00721	.00277
60	Aircraft and parts	.00024	.00037	.00037	.00027	.00029	.00040	.00041	.00043	.00041	.00040	.00081
61	Other transportation equipment	.00038	.00042	.00023	.00055	.00073	.00076	.00051	.00051	.00044	.00039	.00032
62	Scientific and controlling instruments	.00070	.00074	.00062	.00098	.00084	.00205	.00082	.00092	.00306	.00109	.00097
63	Ophthalmic and photographic equipment	.00076	.00088	.00073	.00066	.00071	.00085	.00081	.00109	.00085	.00086	.00078
64	Miscellaneous manufacturing	.00081	.00087	.00279	.00064	.00147	.00080	.00078	.00081	.00082	.00074	.00071
65A	Railroads and related services; passenger ground transportation	.00717	.01501	.00767	.02149	.02099	.02640	.01931	.01904	.01302	.01365	.01089
65B	Motor freight transportation and warehousing	.01658	.05587	.03451	.03329	.09983	.04961	.06367	.05999	.04151	.03947	.03553
65C	Water transportation	.00923	.00460	.00199	.00573	.01383	.00976	.00437	.00479	.00337	.00373	.00327
65D	Air transportation	.00590	.00845	.00938	.00665	.00696	.00886	.00976	.01025	.00828	.00846	.00772
65E	Pipelines, freight forwarders, and related services	.03485	.00419	.00324	.00311	.00593	.00412	.00437	.00434	.00308	.00310	.00283
66	Communications, except radio and TV	.01061	.01127	.01196	.00938	.01162	.01057	.01189	.01245	.01131	.01021	.01099
67	Radio and TV broadcasting	.00007	.00009	.00022	.00007	.00008	.00008	.00007	.00008	.00008	.00009	.00010
68A	Electric services (utilities)	.03264	.03852	.02474	.04277	.04469	.06024	.06908	.05392	.03248	.03548	.03458
68B	Gas production and distribution (utilities)	.13157	.01951	.01536	.03139	.03800	.03337	.02355	.02407	.01692	.01710	.01776
68C	Water and sanitary services	.00662	.00643	.01588	.00511	.00604	.01184	.00779	.00795	.00566	.01611	.00627
69A	Wholesale trade	.06641	.08616	.09713	.07586	.06838	.11937	.15520	.16158	.11541	.10966	.10186
69B	Retail trade	.00433	.00369	.00294	.00510	.00403	.00296	.00290	.00321	.00271	.00292	.00266
70A	Finance	.02533	.02149	.02073	.01796	.02042	.02204	.02328	.02601	.02034	.02124	.01979
70B	Insurance	.00549	.00558	.00660	.00498	.00686	.00599	.00625	.00672	.00518	.00542	.00500
71A	Owner-occupied dwellings	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties	.16154	.03447	.03526	.02735	.03402	.02944	.03220	.03424	.03229	.02996	.02970
72A	Hotels and lodging places	.00537	.00657	.00658	.00570	.00605	.00657	.00744	.00856	.00665	.00642	.00634
72B	Personal and repair services (except auto)	.00380	.00466	.00371	.00460	.00506	.00717	.00523	.00627	.00389	.00518	.00428
73A	Computer and data processing services	.01225	.01192	.01460	.01093	.01182	.01587	.01338	.01460	.01159	.01277	.01207
73B	Legal, engineering, accounting, and related services	.04071	.02754	.01842	.01622	.02062	.02002	.02006	.02169	.01803	.02232	.01998
73C	Other business and professional services, except medical	.03515	.03983	.03653	.03451	.04020	.04689	.04378	.04746	.04879	.04492	.04076
73D	Advertising	.01320	.01611	.04139	.01207	.01470	.01448	.01265	.01533	.01546	.01744	.01817
74	Eating and drinking places	.00728	.00858	.00969	.00770	.00806	.00860	.00978	.01105	.00904	.00875	.00859
75	Automotive repair and services	.00997	.01397	.01102	.01260	.01720	.01817	.01604	.01810	.01226	.01431	.01254
76	Amusements	.00245	.00279	.00505	.00204	.00241	.00253	.00246	.00309	.00254	.00289	.00275
77A	Health services	.00002	.00005	.00079	.00003	.00005	.00003	.00004	.00004	.00003	.00003	.00003
77B	Educational and social services, and membership organizations	.00278	.00554	.00219	.00203	.00221	.00247	.00293	.00350	.00269	.00447	.00259
78	Federal Government enterprises	.00330	.00331	.00495	.00304	.00316	.00378	.00380	.00376	.00352	.00359	.00337
79	State and local government enterprises	.00089	.00162	.00431	.00115	.00334	.00170	.00277	.00213	.00230	.00166	.00217
80	Noncomparable imports	.01404	.00823	.00500	.00592	.00775	.00685	.00861	.00698	.00631	.00560	.00549
81	Scrap, used and secondhand goods	.00086	.00131	.00088	.00697	.00135	.04088	.07592	.03421	.01671	.01336	.01133
82	General government industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83	Rest of the world adjustment to final uses	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Household industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Inventory valuation adjustment	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total commodity output multiplier	**2.72384**	**2.20250**	**2.41883**	**1.93118**	**2.07114**	**2.26691**	**2.57680**	**2.87582**	**2.22153**	**2.18541**	**2.10273**

* Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Commodity number
43	44+45	46	47	48	49	50	51	52	53	54	55	56	57	58	59A	59B	60	
0.00071	0.00075	0.00067	0.00065	0.00071	0.00073	0.00058	0.00071	0.00075	0.00070	0.00094	0.00076	0.00064	0.00065	0.00084	0.00122	0.00083	0.00075	1
.00098	.00110	.00093	.00097	.00098	.00112	.00081	.00098	.00116	.00106	.00177	.00130	.00096	.00108	.00148	.00269	.00133	.00121	2
.00070	.00109	.00088	.00094	.00108	.00089	.00056	.00069	.00119	.00092	.00162	.00097	.00079	.00070	.00121	.00152	.00119	.00068	3
.00143	.00141	.00120	.00119	.00130	.00141	.00124	.00138	.00131	.00153	.00169	.00133	.00122	.00170	.00186	.00161	.00148	.00165	4
.01103	.00906	.00947	.00738	.00799	.00760	.00898	.00262	.00947	.00909	.00869	.00724	.00353	.00369	.00711	.00743	.01686	.00443	5+6
.00730	.00669	.00632	.00543	.00500	.00565	.00537	.00265	.00527	.00499	.00581	.00482	.00251	.00344	.00418	.00508	.00712	.00305	7
.01564	.01614	.01606	.01465	.01398	.01498	.01316	.00960	.01533	.01770	.02126	.01750	.00891	.01158	.01629	.01900	.01863	.01070	8
.00201	.00171	.00158	.00289	.00149	.00152	.00141	.00082	.00183	.00350	.00383	.00239	.00077	.00119	.00138	.00176	.00197	.00099	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.02145	.01905	.01786	.01830	.01843	.01790	.01853	.02135	.02065	.01847	.02126	.01852	.01865	.02578	.02043	.02237	.02416	.02016	12
.00002	.00001	.00001	.00002	.00001	.00002	.00001	.00001	.00002	.00001	.00002	.00001	.00006	.00002	.00006	.00002	.00002	.00074	13
.00303	.00318	.00290	.00281	.00302	.00295	.00247	.00305	.00319	.00298	.00385	.00321	.00271	.00275	.00347	.00424	.00347	.00306	14
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15
.00110	.00138	.00115	.00104	.00123	.00263	.00088	.00093	.00131	.00119	.00290	.00144	.00158	.00084	.00190	.01629	.00195	.00355	16
.00079	.00120	.00123	.00063	.00103	.00830	.00189	.00062	.00117	.00085	.00194	.00089	.00095	.00059	.00153	.01151	.00188	.00116	17
.00075	.00032	.00029	.00034	.00053	.00030	.00020	.00031	.00033	.00027	.00032	.00028	.00023	.00025	.00029	.00128	.00035	.00037	18
.00033	.00029	.00025	.00022	.00026	.00022	.00020	.00025	.00025	.00024	.00030	.00024	.00021	.00022	.00025	.02833	.00144	.00207	19
.00487	.00689	.00650	.00846	.00887	.00608	.00440	.00459	.00914	.00623	.00848	.00645	.00547	.00491	.00576	.00847	.00863	.00414	20+21
.00012	.00007	.00010	.00005	.00005	.00004	.00004	.00055	.00008	.00007	.00131	.00012	.01130	.00071	.00022	.01740	.00101	.00090	22+23
.00734	.00808	.00755	.00834	.01504	.01363	.00649	.01132	.01540	.01497	.03250	.02299	.01239	.01005	.02023	.01208	.01226	.00611	24
.00413	.00455	.00338	.00616	.00412	.00713	.00453	.00676	.00754	.00671	.01530	.01820	.00540	.00481	.01571	.00716	.00835	.00266	25
.00029	.00035	.00030	.00030	.00034	.00029	.00037	.00055	.00036	.00039	.00046	.00048	.00039	.00046	.00052	.00050	.00049	.00033	26A
.00418	.00465	.00453	.00368	.00421	.00417	.00360	.00541	.00443	.00434	.00623	.00491	.00415	.00426	.00484	.00611	.00610	.00389	26B
.01511	.01963	.01493	.02244	.01570	.01600	.01100	.01521	.02220	.01988	.04847	.03088	.01608	.02858	.04013	.03905	.02960	.01443	27A
.00055	.00064	.00055	.00059	.00057	.00060	.00045	.00058	.00070	.00065	.00123	.00088	.00054	.00070	.00102	.00111	.00083	.00062	27B
.00827	.01331	.00892	.01091	.00950	.01295	.00638	.00907	.01704	.01480	.05153	.03572	.01214	.01087	.03198	.02929	.01981	.01317	28
.00004	.00005	.00004	.00004	.00005	.00004	.00003	.00004	.00005	.00005	.00009	.00006	.00004	.00005	.00007	.00008	.00006	.00006	29A
.00055	.00059	.00054	.00052	.00055	.00061	.00041	.00069	.00111	.00134	.00210	.00210	.00089	.00067	.00099	.00110	.00078	.00049	29B
.00266	.00513	.00257	.00296	.00108	.00155	.00120	.00144	.00467	.00343	.00939	.00147	.00103	.00102	.00116	.01497	.00711	.00280	30
.01279	.01294	.01390	.01154	.01177	.01226	.01058	.00823	.01214	.01587	.01618	.01343	.00730	.00858	.01206	.01563	.01476	.00959	31
.02533	.05556	.03167	.01849	.03117	.03735	.01298	.02879	.04201	.03970	.10339	.04218	.03220	.02572	.08047	.08892	.04408	.03084	32
.00007	.00007	.00006	.00005	.00007	.00006	.00005	.00006	.00006	.00006	.00008	.00006	.00007	.00006	.00007	.00088	.00013	.00013	33+34
.00125	.00190	.00127	.00121	.00198	.00117	.00120	.00394	.00189	.00173	.00456	.02879	.00401	.01267	.00292	.01406	.00321	.00186	35
.01201	.00722	.00738	.01429	.00753	.00839	.00811	.00299	.01149	.03706	.01178	.01561	.00248	.00365	.00424	.00703	.00941	.00544	36
.19691	.17550	.17423	.11787	.10641	.12386	.11203	.01802	.10376	.08298	.10884	.06880	.02152	.02385	.04393	.08021	.14723	.02978	37
.07225	.04073	.06165	.05327	.08361	.06070	.10275	.03551	.11472	.09340	.08693	.09178	.03769	.05222	.09724	.05827	.13966	.05749	38
.00043	.00058	.00044	.00044	.00039	.00038	.00029	.00041	.00060	.00050	.00099	.00053	.00034	.00042	.00058	.00115	.00074	.00041	39
.01814	.05110	.02027	.01374	.01773	.01503	.00632	.01087	.01199	.00755	.00292	.00192	.00836	.00705	.00652	.00879	.02525	.00364	40
.04392	.02095	.03530	.01201	.01419	.01450	.01316	.01504	.03885	.02284	.03465	.03126	.01564	.01482	.01567	.10313	.05037	.01492	41
.04659	.02964	.03490	.01964	.03824	.02215	.02453	.02066	.02849	.01689	.02695	.02864	.02179	.04599	.03039	.03733	.02725	.02782	42
1.07101	.05656	.01036	.00184	.00480	.00692	.00233	.00066	.00278	.01184	.00139	.00111	.00044	.00054	.00092	.01664	.00419	.00058	43
.00096	1.03886	.00125	.00082	.00070	.00099	.00088	.00035	.00076	.00079	.00084	.00085	.00035	.00045	.00061	.00073	.00111	.00043	44+45
.00034	.00073	1.01799	.00029	.00045	.00056	.00026	.00022	.00031	.00032	.00033	.00027	.00017	.00019	.00026	.00039	.00048	.00017	46
.01196	.01009	.00967	1.04766	.01368	.00924	.01991	.00263	.00962	.00574	.00591	.00617	.00282	.00387	.00507	.00733	.00833	.01564	47
.00051	.00063	.00103	.00076	1.03368	.00080	.00051	.00081	.00073	.00064	.00120	.00086	.00075	.00171	.00116	.00113	.00083	.00067	48
.02501	.03702	.06638	.01509	.03234	1.08509	.01834	.00188	.02513	.00896	.00866	.00337	.00190	.00182	.00668	.00996	.02503	.00585	49
.05428	.03871	.03945	.03576	.04753	.04056	1.06827	.00559	.03050	.01370	.00838	.00884	.00590	.00832	.01059	.02504	.04965	.02166	50
.00197	.00150	.00136	.00122	.00256	.00155	.00120	1.21389	.00177	.00282	.00254	.00188	.01404	.03214	.01426	.00285	.00270	.00598	51
.00065	.00055	.00055	.00047	.00071	.00067	.00050	.00049	1.08006	.00052	.02305	.00058	.00059	.00056	.00058	.01805	.00503	.00043	52
.04771	.01489	.03830	.02604	.04548	.04475	.00760	.02467	.06528	1.07555	.05408	.03198	.00552	.00432	.01613	.00569	.00618	.00502	53
.00011	.00010	.00009	.00009	.00009	.00009	.00012	.00009	.00011	.00009	1.00133	.00009	.00009	.00011	.00010	.00012	.00013	.00009	54
.00093	.00103	.00078	.00096	.00082	.00079	.00119	.00276	.00846	.00319	.01563	1.03196	.00843	.00322	.00412	.00746	.00213	.00104	55
.00078	.00040	.00041	.00035	.00043	.00037	.00031	.00267	.00053	.00053	.00144	.00052	1.03294	.00289	.00252	.01276	.00099	.01128	56
.01006	.00515	.00570	.00474	.00898	.00756	.00751	.31667	.00820	.03758	.02835	.01824	.29652	1.23149	.11953	.04194	.04199	.04374	57
.01299	.00752	.00500	.00236	.00171	.00153	.00149	.00098	.00090	.00152	.00093	.00109	.00621	.00074	1.02684	.02367	.02043	.00118	58
.00008	.00006	.00018	.00004	.00003	.00003	.00028	.00002	.00004	.00003	.00003	.00003	.00002	.00002	.00004	1.00641	.00394	.00003	59A
.01080	.00811	.00310	.00274	.00223	.00261	.00246	.00212	.00321	.00266	.00264	.00242	.00207	.00239	.00482	.30387	1.10492	.00203	59B
.01452	.00116	.00052	.00053	.00049	.00053	.00079	.00047	.00055	.00052	.00068	.00038	.00084	.00041	.00092	.00093	.00079	1.32193	60
.00044	.00037	.00028	.00025	.00024	.00023	.00026	.00017	.00026	.00047	.00031	.00025	.00015	.00019	.00031	.00035	.00040	.00017	61
.00247	.00086	.00087	.00108	.00074	.00126	.00065	.00134	.01876	.00272	.03960	.00157	.00385	.00297	.00355	.00730	.00153	.06765	62
.00081	.00080	.00080	.00076	.00083	.00080	.00087	.00184	.00085	.00087	.00089	.00090	.00089	.00094	.00121	.00112	.00107	.00091	63
.00062	.00089	.00112	.00067	.00063	.00061	.00055	.00068	.00116	.00072	.00132	.00448	.00059	.00060	.00071	.00103	.00087	.00072	64
.00886	.00924	.00829	.00736	.00723	.00714	.00738	.00478	.00845	.00891	.01074	.00853	.00470	.00621	.00805	.01199	.01201	.00512	65A
.04026	.03855	.03122	.02830	.02811	.02674	.02542	.01400	.03102	.02833	.03730	.03012	.01500	.01693	.03208	.04643	.04156	.01852	65B
.00251	.00291	.00221	.00217	.00195	.00197	.00197	.00111	.00223	.00285	.00282	.00213	.00107	.00145	.00207	.00269	.00302	.00131	65C
.01155	.00989	.00915	.00733	.00944	.00866	.00800	.01165	.00893	.00857	.00904	.00766	.00862	.00882	.00894	.01469	.01159	.01396	65D
.00316	.00298	.00262	.00229	.00245	.00237	.00221	.00211	.00263	.00259	.00307	.00251	.00179	.00198	.00267	.00398	.00341	.00250	65E
.01059	.01137	.01192	.01095	.01253	.01200	.00924	.01406	.01139	.01179	.01276	.01092	.01184	.01145	.01113	.01253	.01134	.00974	66
.00008	.00010	.00010	.00008	.00010	.00010	.00009	.00013	.00011	.00012	.00020	.00016	.00010	.00012	.00011	.00014	.00017	.00008	67
.02867	.02693	.02478	.02619	.02455	.02721	.02717	.02009	.02658	.02682	.02963	.02745	.01815	.02581	.02823	.02712	.03363	.01978	68A
.01324	.01341	.01282	.01182	.01103	.01237	.01151	.00675	.01220	.01284	.01491	.01343	.00634	.00842	.01150	.01287	.01448	.00728	68B
.00577	.00485	.00435	.00422	.00389	.00436	.00375	.00316	.00672	.00420	.00497	.00464	.00275	.00353	.00595	.00673	.00801	.00413	68C
.11066	.12456	.13427	.08347	.11323	.10472	.07528	.16481	.12158	.11325	.12499	.11564	.10045	.09909	.12717	.16334	.13530	.07089	69A
.00238	.00234	.00205	.00191	.00205	.00209	.00187	.00236	.00281	.00259	.00402	.00364	.00229	.00239	.00299	.00347	.00299	.00190	69B
.02064	.02066	.01923	.01740	.01837	.01868	.01736	.02238	.02091	.02072	.02221	.01941	.01915	.01958	.02127	.02899	.02366	.02255	70A
.00511	.00531	.00517	.00449	.00443	.00466	.00426	.00485	.00512	.00458	.00551	.00473	.00426	.00454	.00498	.00690	.00588	.00458	70B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71A
.02709	.02651	.02862	.02833	.03070	.02640	.03059	.03804	.02646	.02806	.02848	.03142	.02888	.03088	.02978	.03547	.02943	.02399	71B
.00679	.00673	.00613	.00573	.00618	.00611	.00566	.00713	.00659	.00612	.00703	.00618	.00607	.00612	.00642	.00844	.00736	.00679	72A
.00431	.00389	.00334	.00310	.00305	.00370	.00304	.00293	.00353	.00345	.00362	.00314	.00276	.00387	.00390	.00525	.00535	.00377	72B
.01477	.01286	.01044	.00981	.00994	.01108	.00885	.01999	.01270	.01027	.01095	.01151	.01335	.01373	.01138	.01290	.01322	.01878	73A
.01648	.02061	.02151	.01899	.02186	.01943	.01826	.02765	.01968	.01681	.01992	.01868	.02264	.02875	.01864	.02831	.02269	.02417	73B
.04018	.03944	.03811	.03454	.03610	.03778	.03917	.04227	.03662	.03797	.03969	.03665	.03656	.04231	.04444	.04535	.04405	.04132	73C
.01401	.01889	.01788	.01536	.01802	.01918	.01664	.02491	.01987	.02158	.03824	.03019	.01777	.02203	.02068	.02546	.03295	.01406	73D
.00910	.00906	.00853	.00832	.00874	.00859	.00755	.00878	.00889	.00840	.00959	.00873	.00781	.00786	.00906	.01090	.00963	.00873	74
.01223	.01176	.01023	.00996	.00946	.01054	.00916	.00900	.01073	.01007	.01149	.01033	.00811	.00996	.01155	.07718	.01641	.00978	75
.00257	.00309	.00271	.00234	.00283	.00283	.00264	.00393	.00318	.00314	.00500	.00396	.00290	.00340	.00311	.00415	.00477	.00261	76
.00003	.00003	.00002	.00002	.00002	.00002	.00002	.00002	.00003	.00002	.00003	.00003	.00002	.00002	.00003	.00004	.00003	.00002	77A
.00262	.00243	.00213	.00221	.00205	.00219	.00198	.00324	.00322	.00235	.00423	.00234	.00296	.00322	.00299	.00592	.00410	.00430	77B
.00342	.00390	.00363	.00294	.00376	.00332	.00258	.00335	.00297	.00336	.00515	.00334	.00363	.00300	.00336	.00526	.00490	.00353	78
.00223	.00206	.00385	.00293	.00236	.00296	.00345	.00161	.00199	.00177	.00221	.00247	.00103	.00123	.00229	.00177	.00176	.00109	79
.00667	.00786	.00780	.00472	.00806	.00747	.00537	.07012	.00599	.01170	.00815	.01445	.01370	.01389	.01985	.01127	.01125	.00581	80
.01001	.00781	.00875	.00694	.00778	.00752	.00891	.00253	.00924	.00751	.00813	.00724	.00282	.00362	.00977	.00609	.01224	.00396	81
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
2.25005	**2.19950**	**2.13883**	**1.89323**	**2.03962**	**2.03486**	**1.88283**	**2.36546**	**2.20423**	**2.04742**	**2.33419**	**2.06758**	**2.01753**	**2.02070**	**2.16429**	**2.79748**	**2.44968**	**2.14838**	

Table 4.—Commodity-by-Commodity

[Total requirements, direct and indirect, per dollar

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV	Radio and TV broadcasting
	Commodity number	61	62	63	64	65A	65B	65C	65D	65E	66	67
1	Livestock and livestock products	0.00077	0.00083	0.00071	0.00187	0.00058	0.00061	0.00120	0.00207	0.00052	0.00051	0.00175
2	Other agricultural products	.00128	.00140	.00125	.00428	.00099	.00076	.00143	.00180	.00072	.00077	.00266
3	Forestry and fishery products	.00232	.00075	.00103	.00291	.00097	.00055	.00067	.00061	.00089	.00061	.00049
4	Agricultural, forestry, and fishery services	.00168	.00135	.00115	.00181	.00111	.00082	.00119	.00102	.00080	.00101	.00242
5+6	Metallic ores mining	.00626	.00298	.00159	.00633	.00143	.00063	.00084	.00052	.00037	.00049	.00031
7	Coal mining	.00487	.00302	.00329	.00381	.00262	.00191	.00215	.00156	.00216	.00113	.00202
8	Crude petroleum and natural gas	.01469	.00925	.01362	.01973	.07502	.04792	.02511	.07945	.01219	.00514	.00671
9+10	Nonmetallic minerals mining	.00137	.00090	.00121	.00176	.00171	.00069	.00079	.00087	.00055	.00081	.00054
11	New construction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction	.01646	.01665	.01655	.01917	.08236	.01988	.02675	.02230	.02928	.05161	.02399
13	Ordnance and accessories	.00001	.00024	.00001	.00001	.00002	.00002	.00004	.00005	.00015	.00001	.00006
14	Food and kindred products	.00301	.00327	.00304	.00689	.00248	.00268	.00534	.00979	.00217	.00212	.00610
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00369	.00609	.00121	.02061	.00099	.00068	.00290	.00057	.00138	.00061	.00097
17	Miscellaneous textile goods and floor coverings	.00468	.00589	.00109	.00213	.00069	.00052	.00225	.00029	.00051	.00039	.00033
18	Apparel	.00041	.00052	.00021	.00629	.00065	.00023	.00293	.00028	.00022	.00079	.00066
19	Miscellaneous fabricated textile products	.00522	.00026	.00019	.00175	.00042	.00044	.00398	.00056	.00294	.00024	.00041
20+21	Lumber and wood products	.02359	.00504	.00784	.02355	.00949	.00376	.00489	.00409	.00923	.00597	.00396
22+23	Furniture and fixtures	.00174	.00068	.00006	.00066	.00009	.00011	.00007	.00006	.00005	.00026	.00007
24	Paper and allied products, except containers	.00697	.01359	.05588	.03087	.00586	.00548	.00809	.00592	.00823	.00668	.00893
25	Paperboard containers and boxes	.00358	.00727	.01388	.02223	.00185	.00230	.00170	.00167	.00292	.00158	.00171
26A	Newspapers and periodicals	.00030	.00043	.00079	.00072	.00050	.00058	.00185	.00058	.00086	.00076	.00096
26B	Other printing and publishing	.00383	.00469	.00418	.01000	.00879	.00659	.00816	.00702	.01256	.00854	.00750
27A	Industrial and other chemicals	.01861	.01716	.04643	.04683	.01183	.00919	.00902	.00801	.00497	.00457	.00555
27B	Agricultural fertilizers and chemicals	.00072	.00062	.00090	.00147	.00044	.00038	.00057	.00049	.00028	.00031	.00133
28	Plastics and synthetic materials	.01628	.01495	.02294	.04574	.00406	.00471	.00418	.00191	.00267	.00234	.00180
29A	Drugs	.00004	.00039	.00019	.00012	.00003	.00004	.00004	.00006	.00002	.00005	.00009
29B	Cleaning and toilet preparations	.00058	.00085	.00143	.00196	.00085	.00058	.00051	.00067	.00034	.00052	.00050
30	Paints and allied products	.00718	.00108	.00070	.00678	.00133	.00104	.00160	.00051	.00050	.00101	.00056
31	Petroleum refining and related products	.01284	.00763	.00921	.01584	.10816	.06808	.03296	.11648	.01022	.00548	.00690
32	Rubber and miscellaneous plastics products	.03550	.03040	.03590	.04981	.01414	.02061	.00950	.00561	.00856	.00713	.00453
33+34	Footwear, leather, and leather products	.00020	.00010	.00005	.00134	.00009	.00009	.00019	.00010	.00020	.00012	.00043
35	Glass and glass products	.00838	.00587	.00897	.00235	.00203	.00109	.00105	.00088	.00089	.00082	.00061
36	Stone and clay products	.00621	.00362	.00223	.00661	.00443	.00161	.00238	.00186	.00153	.00214	.00121
37	Primary iron and steel manufacturing	.10169	.02641	.01071	.03597	.02065	.00589	.01030	.00463	.00370	.00480	.00256
38	Primary nonferrous metals manufacturing	.04549	.03375	.01400	.08798	.00877	.00448	.00703	.00406	.00320	.00480	.00290
39	Metal containers	.00061	.00060	.00053	.00098	.00037	.00030	.00035	.00049	.00015	.00016	.00026
40	Heating, plumbing, and fabricated structural metal products	.02596	.00921	.00179	.00418	.00498	.00144	.00261	.00134	.00169	.00279	.00138
41	Screw machine products and stampings	.01677	.01566	.01067	.00584	.00264	.00202	.00182	.00153	.00101	.00338	.00094
42	Other fabricated metal products	.02923	.02395	.00814	.01810	.01006	.00679	.01131	.00403	.00431	.00480	.00251
43	Engines and turbines	.04973	.00054	.00044	.00073	.00745	.00154	.00941	.00045	.00168	.00235	.00035
44+45	Farm, construction, and mining machinery	.00205	.00037	.00035	.00062	.00068	.00036	.00051	.00050	.00024	.00024	.00027
46	Materials handling machinery and equipment	.00029	.00015	.00016	.00026	.00018	.00016	.00014	.00012	.00008	.00007	.00008
47	Metalworking machinery and equipment	.00551	.00363	.00248	.00480	.00246	.00072	.00620	.00117	.00046	.00056	.00046
48	Special industry machinery and equipment	.00056	.00073	.00084	.00111	.00031	.00031	.00041	.00025	.00028	.00024	.00028
49	General industrial machinery and equipment	.02868	.00238	.00121	.00308	.00857	.00149	.01530	.00124	.00458	.00317	.00056
50	Miscellaneous machinery, except electrical	.01692	.00777	.00638	.01158	.00500	.00247	.00669	.00346	.00242	.00126	.00119
51	Computer and office equipment	.00146	.01892	.00383	.00243	.00208	.00146	.00222	.00366	.00717	.00488	.00399
52	Service industry machinery	.00414	.00041	.00043	.00058	.00164	.00097	.00092	.00061	.00064	.00080	.00089
53	Electrical industrial equipment and apparatus	.03618	.01279	.00729	.00539	.01508	.00267	.00336	.00124	.00232	.00331	.00203
54	Household appliances	.00595	.00008	.00008	.00013	.00036	.00009	.00029	.00011	.00013	.00022	.00012
55	Electric lighting and wiring equipment	.00442	.00375	.00093	.00119	.00214	.00109	.00117	.00066	.00072	.00162	.00098
56	Audio, video, and communication equipment	.00126	.00894	.00047	.00057	.00059	.00061	.00042	.00094	.00108	.02028	.00218
57	Electronic components and accessories	.00753	.12076	.04993	.01974	.00480	.00369	.00409	.00739	.00833	.02843	.01382
58	Miscellaneous electrical machinery and supplies	.00624	.00129	.00067	.00099	.00298	.00267	.00220	.00140	.00321	.00227	.00341
59A	Motor vehicles (passenger cars and trucks)	.02253	.00002	.00002	.00003	.00048	.00011	.00057	.00002	.00002	.00002	.00002
59B	Truck and bus bodies, trailers, and motor vehicles parts	.03345	.00172	.00187	.00254	.01533	.01526	.00232	.00168	.00275	.00184	.00236
60	Aircraft and parts	.00126	.00822	.00031	.00043	.00037	.00032	.00037	.03869	.00037	.00027	.00025
61	Other transportation equipment	1.02679	.00016	.00022	.00040	.01895	.00026	.02549	.00020	.00018	.00011	.00028
62	Scientific and controlling instruments	.00445	1.03053	.00624	.00062	.00067	.00067	.00053	.00242	.00038	.00061	.00054
63	Ophthalmic and photographic equipment	.00067	.00130	1.05298	.00118	.00081	.00109	.00128	.00096	.00165	.00115	.00250
64	Miscellaneous manufacturing	.00074	.00066	.00054	1.08010	.00107	.00091	.00353	.00105	.00161	.00160	.00210
65A	Railroads and related services; passenger ground transportation	.00805	.00476	.00744	.00872	1.04392	.00556	.00307	.00365	.00299	.00245	.00283
65B	Motor freight transportation and warehousing	.03280	.01567	.01995	.03291	.01790	1.21282	.01251	.01009	.01162	.00694	.00811
65C	Water transportation	.00194	.00116	.00177	.00238	.00371	.00287	1.14350	.00365	.00215	.00054	.00063
65D	Air transportation	.00945	.00763	.00683	.00814	.00694	.00773	.00617	1.06903	.00908	.00605	.00624
65E	Pipelines, freight forwarders, and related services	.00264	.00173	.00200	.00278	.01314	.04006	.05017	.09170	1.02170	.00115	.00129
66	Communications, except radio and TV	.00957	.01178	.01134	.01248	.01440	.02505	.01029	.02489	.03846	1.15802	.02831
67	Radio and TV broadcasting	.00009	.00013	.00012	.00028	.00007	.00007	.00026	.00014	.00018	.00058	1.02136
68A	Electric services (utilities)	.02233	.01856	.01653	.02491	.02016	.01641	.01456	.01335	.01961	.00929	.01848
68B	Gas production and distribution (utilities)	.01072	.00642	.00925	.01263	.01759	.01186	.00863	.01646	.00390	.00288	.00403
68C	Water and sanitary services	.00476	.00288	.00342	.00424	.00429	.01773	.00372	.00364	.00239	.00256	.00434
69A	Wholesale trade	.09986	.07466	.08836	.13056	.05677	.05496	.03688	.03582	.02301	.02495	.02281
69B	Retail trade	.00210	.00207	.00245	.00341	.00771	.00747	.00249	.00223	.00262	.00320	.00236
70A	Finance	.01868	.01771	.01829	.02077	.03012	.02388	.05065	.03147	.03531	.02019	.02176
70B	Insurance	.00504	.00407	.00412	.00566	.00894	.01584	.00485	.00515	.00870	.00407	.01068
71A	Owner-occupied dwellings	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties	.03349	.02735	.02206	.03672	.04143	.05319	.05652	.04984	.04132	.03392	.07162
72A	Hotels and lodging places	.00612	.00560	.00534	.00632	.00467	.00671	.00405	.00562	.00507	.00508	.00557
72B	Personal and repair services (except auto)	.00295	.00249	.00232	.00333	.00307	.00295	.00229	.00484	.00355	.00938	.00616
73A	Computer and data processing services	.01152	.01184	.00970	.01037	.02234	.01335	.02212	.04095	.08292	.02191	.02382
73B	Legal, engineering, accounting, and related services	.01788	.02326	.01333	.02151	.02271	.02101	.04231	.03216	.06627	.04588	.03728
73C	Other business and professional services, except medical	.03485	.04302	.03895	.04203	.04203	.04455	.10447	.03881	.04855	.03931	.06116
73D	Advertising	.01593	.02375	.02174	.05343	.01169	.01147	.05044	.02482	.03142	.02391	.05300
74	Eating and drinking places	.00849	.00753	.00708	.00906	.00714	.00824	.00522	.02304	.00635	.00616	.00709
75	Automotive repair and services	.01097	.00747	.00771	.01074	.01658	.07357	.00584	.00658	.01100	.00963	.01129
76	Amusements	.00251	.00344	.00325	.00656	.00215	.00261	.00619	.00421	.00469	.02037	.46642
77A	Health services	.00003	.00002	.00002	.00005	.00002	.00046	.00003	.00004	.00002	.00002	.00019
77B	Educational and social services, and membership organizations	.00241	.00347	.00527	.00604	.00390	.00210	.00591	.00302	.00818	.00272	.00734
78	Federal Government enterprises	.00289	.00336	.00284	.00601	.00370	.00480	.00412	.00393	.00644	.00581	.00563
79	State and local government enterprises	.00275	.00197	.00100	.00331	.00210	.00251	.00140	.00098	.00060	.00054	.00083
80	Noncomparable imports	.00530	.00741	.01219	.00714	.00754	.00865	.10202	.10015	.01305	.03834	.00405
81	Scrap, used and secondhand goods	.00571	.00280	.00158	.00593	.00123	.00074	.00079	.00043	.00040	.00048	–.00023
82	General government industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83	Rest of the world adjustment to final uses	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Household industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Inventory valuation adjustment	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total commodity output multiplier	**2.08565**	**1.84647**	**1.78747**	**2.15619**	**1.92345**	**1.96359**	**2.04662**	**2.01260**	**1.68478**	**1.71695**	**2.05972**

*Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (exc. auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Eating and drinking places	Automotive repair and services	Amusements	Commodity number
68A	68B	68C	69A	69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D	74	75	76	
0.00040	0.00051	0.00064	0.00080	0.00060	0.00046	0.00071	0.00034	0.00053	0.00134	0.00085	0.00051	0.00044	0.00080	0.00094	0.05785	0.00061	0.00364	1
.00082	.00112	.00160	.00101	.00081	.00055	.00078	.00130	.00133	.00211	.00128	.00064	.00055	.00076	.00137	.04478	.00091	.00581	2
.00088	.00114	.00187	.00078	.00047	.00030	.00037	.00044	.00066	.00072	.00055	.00035	.00028	.00036	.00112	.00915	.00063	.00065	3
.00107	.00183	.00336	.00121	.00194	.00093	.00120	.00866	.00628	.00591	.00144	.00120	.00116	.00092	.00151	.00904	.00137	.00469	4
.00066	.00099	.00148	.00039	.00030	.00019	.00025	.00016	.00028	.00036	.00068	.00050	.00019	.00041	.00053	.00065	.00235	.00036	5+6
.10263	.00256	.00483	.00155	.00301	.00109	.00087	.00025	.00183	.00465	.00248	.00113	.00087	.00105	.00214	.00390	.00262	.00254	7
.04213	.63455	.05384	.00992	.00940	.00525	.00469	.00189	.00644	.01330	.01200	.00469	.00401	.00767	.00991	.01473	.01759	.00876	8
.00145	.00204	.00317	.00043	.00049	.00027	.00031	.00077	.00106	.00100	.00060	.00034	.00026	.00038	.00087	.00117	.00080	.00066	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.08975	.12522	.15139	.01254	.02202	.01121	.01347	.05094	.06652	.04241	.01845	.01208	.00969	.00984	.01763	.02403	.01839	.02327	12
.00001	.00001	.00002	.00002	.00001	.00002	.00002	(*)	.00001	.00003	.00001	.00002	.00003	.00029	.00003	.00001	.00002	.00012	13
.00165	.00206	.00242	.00353	.00247	.00196	.00310	.00041	.00157	.00525	.00303	.00220	.00182	.00285	.00374	.27654	.00255	.01191	14
(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15
.00080	.00043	.00090	.00116	.00057	.00048	.00039	.00015	.00031	.00410	.00574	.00036	.00028	.00049	.00109	.00117	.00138	.00205	16
.00053	.00058	.00097	.00044	.00042	.00023	.00025	.00024	.00036	.00114	.00113	.00025	.00020	.00028	.00100	.00096	.00106	.00049	17
.00015	.00014	.00045	.00147	.00019	.00012	.00013	.00002	.00010	.00147	.00569	.00015	.00011	.00046	.00034	.00029	.00059	.00147	18
.00021	.00026	.00041	.00070	.00023	.00070	.00035	.00010	.00020	.00904	.00343	.00016	.00016	.00019	.00036	.00095	.00120	.00078	19
.00943	.01251	.02012	.00768	.00423	.00258	.00286	.00492	.00694	.00592	.00441	.00272	.00240	.00267	.01122	.00547	.00405	.00479	20+21
.00003	.00004	.00012	.00005	.00009	.00005	.00005	.00001	.00005	.00005	.00007	.00012	.00006	.00005	.00006	.00012	.00118	.00007	22+23
.00330	.00380	.00589	.01412	.01645	.01004	.00925	.00105	.00429	.01103	.01270	.00920	.00828	.01038	.08854	.01954	.00897	.01053	24
.00107	.00116	.00222	.00678	.00274	.00130	.00135	.00033	.00084	.00367	.00307	.00176	.00131	.00282	.00453	.01124	.00327	.00242	25
.00022	.00021	.00042	.00083	.00066	.00120	.00059	.00006	.00022	.00126	.00078	.00063	.00074	.00070	.00600	.00051	.00076	.00107	26A
.00286	.00296	.00465	.01534	.00678	.01556	.01518	.00088	.00396	.00844	.01694	.01436	.01224	.01105	.06709	.00848	.00649	.00862	26B
.00855	.01454	.03194	.00615	.00503	.00344	.00393	.00157	.00367	.00708	.01172	.00511	.00335	.00906	.02183	.01210	.01287	.00680	27A
.00035	.00062	.00185	.00103	.00044	.00023	.00030	.00176	.00108	.00301	.00048	.00030	.00025	.00032	.00077	.00522	.00050	.00302	27B
.00212	.00206	.00494	.00272	.00229	.00130	.00177	.00065	.00133	.00364	.00538	.00239	.00129	.00216	.00596	.00510	.00775	.00242	28
.00004	.00003	.00006	.00010	.00002	.00002	.00002	.00001	.00002	.00005	.00007	.00002	.00002	.00006	.00006	.00125	.00004	.00020	29A
.00050	.00046	.00067	.00124	.00068	.00035	.00038	.00010	.00037	.00181	.01392	.00037	.00046	.00175	.00085	.00113	.00139	.00072	29B
.00109	.00149	.00226	.00038	.00047	.00024	.00061	.00056	.00083	.00065	.00070	.00034	.00024	.00048	.00072	.00069	.00332	.00079	30
.02731	.01707	.05032	.01067	.00990	.00502	.00504	.00209	.00577	.01003	.00998	.00472	.00407	.00841	.00844	.01286	.01978	.00858	31
.00647	.00557	.01598	.00864	.00700	.00320	.00558	.00185	.00392	.00902	.01167	.00732	.00371	.00670	.01308	.01896	.02762	.00574	32
.00006	.00008	.00009	.00010	.00038	.00014	.00013	.00002	.00008	.00045	.00532	.00011	.00028	.00027	.00020	.00014	.00018	.00098	33+34
.00063	.00067	.00192	.00093	.00045	.00044	.00060	.00018	.00042	.00532	.00094	.00116	.00096	.00153	.00069	.00519	.00628	.00065	35
.00400	.00635	.00985	.00105	.00119	.00067	.00079	.00177	.00331	.00268	.00145	.00093	.00072	.00112	.00124	.00306	.00275	.00127	36
.00743	.01469	.01265	.00310	.00274	.00158	.00216	.00174	.00282	.00317	.00535	.00366	.00161	.00366	.00342	.00510	.02273	.00290	37
.00554	.00507	.01082	.00379	.00242	.00163	.00220	.00148	.00247	.00277	.00688	.00618	.00167	.00321	.00318	.00610	.01912	.00327	38
.00021	.00026	.00047	.00111	.00016	.00011	.00016	.00006	.00013	.00028	.00039	.00016	.00011	.00032	.00036	.00724	.00038	.00044	39
.00479	.00616	.00794	.00108	.00128	.00069	.00083	.00263	.00326	.00214	.00136	.00167	.00063	.00084	.00152	.00143	.00357	.00135	40
.00187	.00106	.00316	.00085	.00078	.00053	.00085	.00026	.00060	.00091	.00253	.00215	.00057	.00126	.00094	.00148	.01553	.00101	41
.00412	.00704	.00922	.00282	.00286	.00202	.00296	.00139	.00255	.00300	.00581	.00480	.00195	.00289	.00307	.00383	.01630	.00284	42
.00660	.00061	.00105	.00035	.00051	.00024	.00033	.00008	.00026	.00054	.00041	.00028	.00023	.00081	.00041	.00051	.00510	.00037	43
.00392	.00239	.00186	.00034	.00025	.00013	.00014	.00054	.00035	.00042	.00026	.00015	.00012	.00042	.00026	.00085	.00037	.00039	44+45
.00078	.00044	.00022	.00087	.00009	.00006	.00007	.00003	.00007	.00012	.00010	.00009	.00008	.00052	.00011	.00015	.00015	.00009	46
.00110	.00100	.00123	.00077	.00045	.00030	.00036	.00015	.00032	.00053	.00079	.00063	.00041	.00224	.00070	.00063	.00189	.00049	47
.00017	.00022	.00041	.00046	.00036	.00025	.00028	.00005	.00016	.00037	.00090	.00035	.00029	.00150	.00176	.00106	.00063	.00030	48
.00263	.00198	.00239	.00068	.00062	.00044	.00051	.00032	.00059	.00080	.00124	.00056	.00043	.00204	.00073	.00159	.00354	.00061	49
.00306	.00286	.00894	.00227	.00149	.00072	.00084	.00025	.00086	.00130	.00260	.00148	.00100	.00247	.00205	.00171	.00862	.00130	50
.00154	.00350	.00172	.00254	.00146	.00434	.00359	.00024	.00073	.00184	.00792	.07946	.00532	.00394	.00304	.00117	.00212	.00158	51
.00119	.00189	.00483	.00067	.00073	.00028	.00042	.00063	.00103	.00087	.00457	.00031	.00028	.00073	.00057	.00073	.00703	.00155	52
.00315	.00204	.00282	.00098	.00085	.00076	.00087	.00046	.00087	.00136	.00244	.00361	.00085	.00377	.00178	.00109	.00487	.00099	53
.00026	.00037	.00052	.00008	.00012	.00006	.00007	.00014	.00031	.00033	.00785	.00007	.00006	.00009	.00010	.00014	.00016	.00012	54
.00302	.00239	.00353	.00074	.00101	.00040	.00058	.00092	.00135	.00126	.00098	.00065	.00038	.00072	.00075	.00106	.00388	.00149	55
.00042	.00059	.00135	.00076	.00047	.00052	.00075	.00019	.00045	.00066	.00068	.00095	.00046	.00063	.00096	.00041	.00063	.00054	56
.00273	.00278	.00611	.01017	.00310	.00522	.00443	.00051	.00160	.00351	.01847	.07621	.00519	.01304	.00649	.00273	.00978	.00348	57
.00143	.00127	.00315	.00123	.00120	.00155	.00234	.00024	.00063	.00102	.00127	.00361	.00221	.00174	.00160	.00119	.00708	.00697	58
.00003	.00002	.00014	.00003	.00003	.00001	.00003	(*)	.00002	.00002	.00002	.00002	.00002	.00004	.00002	.00003	.00106	.00003	59A
.00192	.00204	.03238	.00389	.00579	.00184	.00367	.00042	.00181	.00301	.00291	.00181	.00188	.00321	.00288	.00385	.10821	.00300	59B
.00027	.00030	.00040	.00027	.00020	.00025	.00035	.00003	.00016	.00027	.00025	.00030	.00023	.00033	.00026	.00028	.00043	.00023	60
.00078	.00022	.00033	.00012	.00013	.00012	.00016	.00003	.00011	.00020	.00014	.00011	.00014	.00100	.00022	.00024	.00019	.00053	61
.00111	.00090	.01577	.00038	.00042	.00029	.00062	.00021	.00050	.00086	.00168	.00104	.00033	.00082	.00088	.00047	.00119	.00051	62
.00045	.00070	.00097	.00184	.00108	.00257	.00294	.00017	.00071	.00139	.01223	.00136	.00335	.00389	.00515	.00080	.00123	.00136	63
.00091	.00105	.00150	.00154	.00155	.00241	.00182	.00032	.00090	.00243	.01693	.00103	.00189	.00245	.00223	.00215	.00142	.00384	64
.03286	.00396	.00605	.00274	.00299	.00242	.00320	.00060	.00220	.00417	.00332	.00243	.00203	.00312	.00581	.00758	.00528	.00307	65A
.01184	.01037	.06799	.00979	.00839	.01869	.01168	.00275	.00606	.01421	.01356	.00670	.00731	.01005	.01909	.02435	.01898	.00874	65B
.00649	.00387	.00356	.00080	.00073	.00051	.00045	.00022	.00056	.00115	.00108	.00052	.00050	.00082	.00104	.00214	.00148	.00095	65C
.00453	.00767	.00666	.00712	.00511	.00671	.00918	.00078	.00405	.00695	.00619	.00768	.00596	.00765	.00667	.00718	.00826	.00560	65D
.00267	.00811	.01243	.00199	.00131	.00156	.00164	.00026	.00098	.01548	.00168	.00129	.00115	.00158	.00181	.00234	.00384	.00134	65E
.00634	.00839	.02453	.02238	.01586	.02210	.03520	.00194	.01168	.02237	.02077	.03036	.01937	.01944	.02084	.01166	.01754	.01591	66
.00003	.00004	.00006	.00017	.00030	.00014	.00013	.00001	.00007	.00014	.00018	.00010	.00005	.00008	.00530	.00019	.00016	.00028	67
1.00773	.02078	.03276	.01329	.02783	.00964	.00738	.00176	.01648	.04311	.02140	.00952	.00750	.00851	.01576	.03347	.01893	.02325	68A
.04206	1.25119	.03757	.00583	.00587	.00384	.00264	.00085	.00515	.01269	.01001	.00282	.00255	.00384	.00642	.01142	.00918	.00573	68B
.00464	.00343	1.04007	.00305	.00498	.00456	.00251	.00064	.00791	.01628	.00743	.00179	.00183	.00213	.00314	.00876	.00546	.00496	68C
.02554	.03039	.05274	1.03790	.01538	.01495	.01511	.00558	.01121	.02254	.03744	.04878	.01406	.02279	.03991	.08506	.06473	.03120	69A
.00496	.00736	.01271	.00378	1.00516	.00138	.00197	.00287	.00391	.00464	.00249	.00138	.00122	.00299	.00237	.00389	.00822	.00277	69B
.02568	.02460	.02431	.01909	.02566	1.16668	.08188	.02411	.01608	.06815	.01946	.01767	.01846	.01619	.01734	.02213	.06606	.01907	70A
.00500	.00554	.01412	.00371	.00588	.00626	1.38753	.00997	.00565	.00498	.00538	.00281	.00301	.00391	.00566	.00532	.00855	.00434	70B
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.03161	.12956	.04677	.04449	.08913	.05350	.07685	.04273	1.07924	.09524	.07927	.05071	.07244	.04384	.05362	.07833	.07114	.09472	71B
.00383	.00515	.00483	.00500	.00458	.00486	.00846	.00058	.00374	1.00583	.00485	.00495	.00725	.00626	.00525	.00571	.00599	.00475	72A
.00148	.00191	.00445	.00347	.00456	.00234	.00265	.00042	.00465	.00872	1.05263	.00298	.00200	.00296	.00363	.00526	.01225	.00456	72B
.01602	.01021	.01173	.01962	.01184	.04368	.02268	.00187	.00485	.01574	.01267	1.09177	.03175	.02222	.01476	.00956	.01546	.01104	73A
.02485	.05932	.05450	.02109	.02021	.04153	.06050	.01062	.02749	.02357	.04801	.02754	1.08847	.02843	.03136	.02172	.02359	.03792	73B
.02652	.03122	.04391	.05822	.05124	.06026	.07486	.01054	.03965	.09348	.04898	.05095	.10390	1.06839	.06402	.04458	.04949	.05827	73C
.00522	.00699	.01041	.03112	.05604	.02453	.02327	.00187	.01278	.02518	.03417	.01703	.00855	.01328	1.02758	.03690	.02903	.05223	73D
.00483	.00616	.00648	.00604	.00627	.00590	.01024	.00070	.00453	.00840	.00642	.00650	.00545	.00835	.00665	1.01885	.00738	.00655	74
.00523	.00778	.02790	.01180	.00955	.00650	.02439	.00161	.00961	.01134	.01068	.00945	.00788	.00984	.01193	.01104	1.01745	.01174	75
.00129	.00185	.00224	.00510	.00700	.00377	.00431	.00039	.00210	.00400	.00467	.00309	.00241	.00357	.10021	.01496	.00429	1.19606	76
.00001	.00001	.00013	.00002	.00002	.00002	.00002	.00001	.00001	.00003	.00002	.00001	.00001	.00003	.00006	.00094	.00002	.00046	77A
.00387	.00214	.00215	.00300	.00195	.00346	.00328	.00028	.00154	.00331	.00503	.00800	.00425	.00425	.00393	.00305	.00255	.00292	77B
.00445	.00403	.00552	.00787	.00809	.02590	.01463	.00107	.00455	.00866	.00837	.00860	.01218	.00810	.00730	.00445	.01183	.00731	78
.00049	.00114	.00708	.00093	.00111	.00073	.00054	.00013	.00128	.00230	.00130	.00053	.00059	.00057	.00125	.00149	.00177	.00088	79
.00318	.00979	.00570	.01027	.00288	.01189	.00835	.00063	.00173	.00494	.00394	.01360	.00501	.00681	.00438	.00466	.00579	.00489	80
.00058	.00082	.00114	.00045	.00038	.00024	.00035	.00015	.00029	.00040	.00068	.00055	.00024	.00040	.00091	.00069	.00499	–.00108	81
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1.68641	**2.57066**	**2.08701**	**1.51760**	**1.53420**	**1.64737**	**2.00556**	**1.22292**	**1.44022**	**1.75034**	**1.73597**	**1.69891**	**1.52949**	**1.47524**	**1.80732**	**2.09198**	**1.90615**	**1.78787**	

Table 4.—Commodity-by-Commodity Total Requirements, 1992—Continued

[Total requirements, direct and indirect, per dollar of delivery to final demand, at producers' prices]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Non-comparable imports	Scrap, used, and second-hand goods	General government industry	Rest-of-the-world adjustment to final uses	Household industry	Inventory valuation adjustment
	Commodity number	77A	77B	78	79	80	81	82	83	84	85
1	Livestock and livestock products	0.00291	0.00400	0.00072	0.00066	...	...	...	...	...	...
2	Other agricultural products	.00294	.00377	.00074	.00233	...	...	...	...	...	...
3	Forestry and fishery products	.00066	.00102	.00030	.00239	...	...	...	...	...	...
4	Agricultural, forestry, and fishery services	.00250	.00340	.00041	.00660	...	...	...	...	...	...
5+6	Metallic ores mining	.00053	.00045	.00042	.00135	...	...	...	...	...	...
7	Coal mining	.00162	.00197	.00110	.00657	...	...	...	...	...	...
8	Crude petroleum and natural gas	.00864	.01068	.00855	.04343	...	...	...	...	...	...
9+10	Nonmetallic minerals mining	.00066	.00105	.00028	.00555	...	...	...	...	...	...
11	New construction	...	...	...	...	...	...	...	...	...	...
12	Maintenance and repair construction	.01567	.05566	.01067	.27640	...	...	...	...	...	...
13	Ordnance and accessories	.00002	.00002	.00001	.00002	...	...	...	...	...	...
14	Food and kindred products	.01306	.01721	.00329	.00205	...	...	...	...	...	...
15	Tobacco products	(*)	(*)	(*)	(*)	...	...	...	...	...	...
16	Broad and narrow fabrics, yarn and thread mills	.00157	.00112	.00132	.00097	...	...	...	...	...	...
17	Miscellaneous textile goods and floor coverings	.00066	.00064	.00043	.00122	...	...	...	...	...	...
18	Apparel	.00157	.00062	.00017	.00077	...	...	...	...	...	...
19	Miscellaneous fabricated textile products	.00150	.00062	.00234	.00043	...	...	...	...	...	...
20+21	Lumber and wood products	.00333	.00898	.00202	.02693	...	...	...	...	...	...
22+23	Furniture and fixtures	.00006	.00007	.00103	.00009	...	...	...	...	...	...
24	Paper and allied products, except containers	.01099	.02172	.00624	.00606	...	...	...	...	...	...
25	Paperboard containers and boxes	.00331	.00335	.00291	.00191	...	...	...	...	...	...
26A	Newspapers and periodicals	.00093	.00467	.00020	.00031	...	...	...	...	...	...
26B	Other printing and publishing	.00946	.05122	.01654	.00428	...	...	...	...	...	...
27A	Industrial and other chemicals	.02562	.00882	.00333	.03276	...	...	...	...	...	...
27B	Agricultural fertilizers and chemicals	.00090	.00111	.00019	.00359	...	...	...	...	...	...
28	Plastics and synthetic materials	.00485	.00332	.00152	.00420	...	...	...	...	...	...
29A	Drugs	.01585	.00042	.00002	.00005	...	...	...	...	...	...
29B	Cleaning and toilet preparations	.00171	.00128	.00098	.00069	...	...	...	...	...	...
30	Paints and allied products	.00044	.00106	.00032	.00319	...	...	...	...	...	...
31	Petroleum refining and related products	.00656	.01060	.01022	.03484	...	...	...	...	...	...
32	Rubber and miscellaneous plastics products	.01712	.00928	.00327	.01113	...	...	...	...	...	...
33+34	Footwear, leather, and leather products	.00021	.00094	.00054	.00009	...	...	...	...	...	...
35	Glass and glass products	.00265	.00221	.00039	.00203	...	...	...	...	...	...
36	Stone and clay products	.00141	.00239	.00072	.01851	...	...	...	...	...	...
37	Primary iron and steel manufacturing	.00290	.00398	.00386	.01249	...	...	...	...	...	...
38	Primary nonferrous metals manufacturing	.00274	.00377	.00341	.01047	...	...	...	...	...	...
39	Metal containers	.00060	.00060	.00016	.00048	...	...	...	...	...	...
40	Heating, plumbing, and fabricated structural metal products	.00106	.00279	.00095	.01289	...	...	...	...	...	...
41	Screw machine products and stampings	.00155	.00128	.00147	.00207	...	...	...	...	...	...
42	Other fabricated metal products	.00291	.00396	.00166	.00862	...	...	...	...	...	...
43	Engines and turbines	.00028	.00036	.00032	.00092	...	...	...	...	...	...
44+45	Farm, construction, and mining machinery	.00023	.00035	.00014	.00368	...	...	...	...	...	...
46	Materials handling machinery and equipment	.00009	.00011	.00015	.00026	...	...	...	...	...	...
47	Metalworking machinery and equipment	.00048	.00060	.00044	.00130	...	...	...	...	...	...
48	Special industry machinery and equipment	.00042	.00055	.00019	.00041	...	...	...	...	...	...
49	General industrial machinery and equipment	.00054	.00076	.00085	.00237	...	...	...	...	...	...
50	Miscellaneous machinery, except electrical	.00129	.00159	.00312	.01535	...	...	...	...	...	...
51	Computer and office equipment	.00366	.00281	.00061	.00145	...	...	...	...	...	...
52	Service industry machinery	.00056	.00105	.00063	.00943	...	...	...	...	...	...
53	Electrical industrial equipment and apparatus	.00117	.00128	.00063	.00324	...	...	...	...	...	...
54	Household appliances	.00011	.00027	.00004	.00092	...	...	...	...	...	...
55	Electric lighting and wiring equipment	.00094	.00165	.00088	.00531	...	...	...	...	...	...
56	Audio, video, and communication equipment	.00054	.00084	.00019	.00180	...	...	...	...	...	...
57	Electronic components and accessories	.00587	.00531	.00178	.00353	...	...	...	...	...	...
58	Miscellaneous electrical machinery and supplies	.00105	.00162	.00091	.00283	...	...	...	...	...	...
59A	Motor vehicles (passenger cars and trucks)	.00002	.00002	.00008	.00004	...	...	...	...	...	...
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00235	.00337	.01756	.00340	...	...	...	...	...	...
60	Aircraft and parts	.00036	.00026	.00124	.00022	...	...	...	...	...	...
61	Other transportation equipment	.00014	.00019	.00038	.00045	...	...	...	...	...	...
62	Scientific and controlling instruments	.01819	.00155	.00033	.00151	...	...	...	...	...	...
63	Ophthalmic and photographic equipment	.00311	.00319	.00056	.00087	...	...	...	...	...	...
64	Miscellaneous manufacturing	.00132	.00514	.00096	.00217	...	...	...	...	...	...
65A	Railroads and related services; passenger ground transportation	.00351	.00359	.01046	.00548	...	...	...	...	...	...
65B	Motor freight transportation and warehousing	.00987	.01237	.02591	.02110	...	...	...	...	...	...
65C	Water transportation	.00084	.00091	.00307	.00458	...	...	...	...	...	...
65D	Air transportation	.00578	.00661	.03398	.00506	...	...	...	...	...	...
65E	Pipelines, freight forwarders, and related services	.00139	.00167	.00424	.00293	...	...	...	...	...	...
66	Communications, except radio and TV	.01532	.01740	.00637	.01578	...	...	...	...	...	...
67	Radio and TV broadcasting	.00006	.00018	.00002	.00006	...	...	...	...	...	...
68A	Electric services (utilities)	.01345	.01655	.00932	.05900	...	...	...	...	...	...
68B	Gas production and distribution (utilities)	.00566	.00707	.00415	.03966	...	...	...	...	...	...
68C	Water and sanitary services	.00474	.00534	.00742	.01356	...	...	...	...	...	...
69A	Wholesale trade	.03036	.03170	.01550	.03766	...	...	...	...	...	...
69B	Retail trade	.00210	.00471	.00115	.01364	...	...	...	...	...	...
70A	Finance	.01448	.02214	.01180	.02698	...	...	...	...	...	...
70B	Insurance	.00578	.00562	.00322	.00725	...	...	...	...	...	...
71A	Owner-occupied dwellings	...	...	...	...	...	...	...	...	...	...
71B	Real estate and royalties	.07971	.13805	.02271	.05669	...	...	...	...	...	...
72A	Hotels and lodging places	.00483	.00537	.00140	.00308	...	...	...	...	...	...
72B	Personal and repair services (except auto)	.00374	.00398	.00098	.00336	...	...	...	...	...	...
73A	Computer and data processing services	.01696	.02613	.00491	.01164	...	...	...	...	...	...
73B	Legal, engineering, accounting, and related services	.02770	.02789	.00619	.07257	...	...	...	...	...	...
73C	Other business and professional services, except medical	.06126	.07161	.02285	.05122	...	...	...	...	...	...
73D	Advertising	.01135	.03346	.00366	.01008	...	...	...	...	...	...
74	Eating and drinking places	.01029	.01017	.00317	.00492	...	...	...	...	...	...
75	Automotive repair and services	.00986	.01096	.00728	.01433	...	...	...	...	...	...
76	Amusements	.00230	.00882	.00068	.00184	...	...	...	...	...	...
77A	Health services	1.02172	.00007	.00002	.00002	...	...	...	...	...	...
77B	Educational and social services, and membership organizations	.00376	1.00665	.00090	.00209	...	...	...	...	...	...
78	Federal Government enterprises	.01179	.01240	1.00125	.00688	...	...	...	...	...	...
79	State and local government enterprises	.00076	.00102	.00077	1.01535	...	...	...	...	...	...
80	Noncomparable imports	.00344	.00333	.02172	.00388	1.00000	...	...	...	...	...
81	Scrap, used and secondhand goods	.00037	.00054	.00038	.00107	...	1.00000	...	...	...	...
82	General government industry	...	...	...	...	...	...	1.00000	...	...	...
83	Rest of the world adjustment to final uses	...	...	...	...	...	...	...	1.00000	...	...
84	Household industry	...	...	...	...	...	...	...	...	1.00000	...
85	Inventory valuation adjustment	...	...	...	...	...	...	...	...	...	1.00000
	Total commodity output multiplier	**1.59761**	**1.77922**	**1.36018**	**2.12162**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**

Table 5.—Industry-by-Commodity Total Requirements, 1992

[Total requirements, direct and indirect, per dollar of delivery to final demand, at producers' prices]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Nonmetallic minerals mining	New construction	Maintenance and repair construction
	Commodity number	1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products	1.20919	0.00459	0.04302	0.05040	0.00085	0.00063	0.00053	0.00060	0.00098	0.00106
2	Other agricultural products	.33378	1.04309	.21804	.16320	.00202	.00130	.00107	.00106	.00569	.00644
3	Forestry and fishery products	.00240	.00097	.82943	.00160	.00098	.00060	.00043	.00043	.00541	.00666
4	Agricultural, forestry, and fishery services	.07597	.07384	.17420	.96687	.00274	.00138	.00168	.00112	.00484	.00578
5+6	Metallic ores mining	.00097	.00087	.00059	.00074	1.24193	.00180	.00124	.00289	.00301	.00262
7	Coal mining	.00440	.00237	.00117	.00160	.01400	1.13077	.00333	.01134	.00306	.00261
8	Crude petroleum and natural gas	.03160	.03965	.03452	.02335	.04824	.03137	1.27218	.05418	.02151	.02685
9+10	Nonmetallic minerals mining	.00416	.00883	.00231	.00620	.00584	.00184	.00151	.99309	.01262	.01309
11	New construction	.....	.....	.....	.....	.....	.....	.....	.....	1.00037	.....
12	Maintenance and repair construction	.03693	.02881	.04135	.02166	.04339	.01544	.04970	.02242	.01221	1.01187
13	Ordnance and accessories	.00006	.00005	.00005	.00005	.00010	.00006	.00004	.00007	.00015	.00012
14	Food and kindred products	.25306	.00430	.04442	.01747	.00373	.00238	.00212	.00263	.00265	.00262
15	Tobacco products	(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00307	.00536	.00279	.00327	.00095	.00526	.00037	.00085	.00270	.00257
17	Miscellaneous textile goods and floor coverings	.00329	.00273	.00644	.00356	.00058	.00047	.00030	.00050	.00350	.00379
18	Apparel	.00038	.00033	.00028	.00036	.00020	.00038	.00012	.00017	.00031	.00031
19	Miscellaneous fabricated textile products	.00099	.00186	.00148	.00303	.00023	.00020	.00016	.00018	.00085	.00100
20+21	Lumber and wood products	.00906	.01082	.00562	.00447	.01149	.00653	.00529	.00363	.07668	.09498
22+23	Furniture and fixtures	.00012	.00009	.00008	.00008	.00016	.00012	.00007	.00015	.00344	.00051
24	Paper and allied products, except containers	.01752	.01097	.00805	.00813	.00552	.00374	.00288	.00527	.01256	.01042
25	Paperboard containers and boxes	.01006	.00952	.00523	.00771	.00253	.00170	.00089	.00190	.00403	.00375
26A	Newspapers and periodicals	.00485	.00256	.00250	.00333	.00239	.00196	.00208	.00401	.00346	.00333
26B	Other printing and publishing	.00940	.00536	.00559	.00607	.00488	.00395	.00384	.00505	.00696	.00649
27A	Industrial and other chemicals	.02037	.02530	.01179	.02292	.07446	.01837	.01910	.02913	.02107	.01982
27B	Agricultural fertilizers and chemicals	.03588	.08901	.02223	.08888	.00227	.00082	.00076	.00102	.00159	.00172
28	Plastics and synthetic materials	.00666	.00636	.00444	.00532	.00809	.00489	.00214	.00539	.00953	.00948
29A	Drugs	.00610	.00130	.00071	.00154	.00056	.00015	.00016	.00023	.00020	.00020
29B	Cleaning and toilet preparations	.00294	.00311	.00240	.00304	.00140	.00060	.00054	.00110	.00133	.00144
30	Paints and allied products	.00093	.00072	.00075	.00082	.00135	.00067	.00078	.00083	.01014	.01032
31	Petroleum refining and related products	.03281	.03878	.04115	.02015	.04567	.03637	.01388	.06072	.02276	.03063
32	Rubber and miscellaneous plastics products	.01937	.01237	.00787	.00785	.01896	.01651	.00384	.01937	.02650	.02761
33+34	Footwear, leather, and leather products	.00062	.00010	.00032	.00018	.00006	.00005	.00006	.00005	.00014	.00013
35	Glass and glass products	.00364	.00078	.00113	.00120	.00092	.00070	.00044	.00139	.00460	.00273
36	Stone and clay products	.00287	.00373	.00219	.00207	.01108	.00653	.00505	.04338	.05945	.03388
37	Primary iron and steel manufacturing	.00825	.00617	.00545	.00438	.05706	.02015	.02243	.02812	.03685	.03054
38	Primary nonferrous metals manufacturing	.00720	.00382	.00391	.00327	.00910	.00725	.00386	.00706	.02814	.02534
39	Metal containers	.00685	.00092	.00163	.00119	.00076	.00031	.00026	.00042	.00074	.00074
40	Heating, plumbing, and fabricated structural metal products	.00283	.00235	.00253	.00148	.01409	.00643	.00316	.00821	.05421	.04454
41	Screw machine products and stampings	.00208	.00109	.00109	.00097	.00414	.00767	.00092	.00333	.00493	.00428
42	Other fabricated metal products	.00679	.00544	.00415	.00492	.00614	.00657	.00764	.00530	.02700	.02254
43	Engines and turbines	.00095	.00077	.00163	.00046	.00604	.00649	.00084	.00561	.00108	.00093
44+45	Farm, construction, and mining machinery	.00624	.00752	.00516	.00250	.03819	.03817	.00397	.03968	.00339	.00312
46	Materials handling machinery and equipment	.00026	.00028	.00014	.00019	.00769	.00656	.00071	.01429	.00323	.00053
47	Metalworking machinery and equipment	.00135	.00106	.00072	.00058	.00280	.00190	.00090	.00193	.00294	.00234
48	Special industry machinery and equipment	.00060	.00046	.00038	.00044	.00094	.00056	.00028	.00072	.00078	.00069
49	General industrial machinery and equipment	.00212	.00185	.00163	.00101	.00831	.01282	.00248	.01114	.01027	.00538
50	Miscellaneous machinery, except electrical	.00311	.00299	.00189	.00191	.00674	.00827	.00322	.00504	.00448	.00338
51	Computer and office equipment	.00141	.00105	.00101	.00097	.00142	.00094	.00090	.00135	.00184	.00157
52	Service industry machinery	.00079	.00062	.00092	.00062	.00092	.00066	.00081	.00079	.01242	.01198
53	Electrical industrial equipment and apparatus	.00172	.00130	.00131	.00089	.00455	.00475	.00194	.00591	.00956	.00775
54	Household appliances	.00018	.00015	.00016	.00012	.00022	.00014	.00019	.00015	.00242	.00282
55	Electric lighting and wiring equipment	.00166	.00122	.00136	.00132	.00123	.00125	.00113	.00085	.01848	.01681
56	Audio, video, and communication equipment	.00052	.00039	.00038	.00035	.00044	.00027	.00035	.00036	.00479	.00341
57	Electronic components and accessories	.00317	.00248	.00212	.00211	.00262	.00194	.00144	.00247	.00526	.00454
58	Miscellaneous electrical machinery and supplies	.00451	.00505	.00224	.00230	.00137	.00112	.00061	.00179	.00315	.00286
59A	Motor vehicles (passenger cars and trucks)	.00020	.00016	.00021	.00018	.00026	.00027	.00008	.00028	.00023	.00023
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00441	.00385	.00506	.00444	.00465	.00377	.00173	.00586	.00453	.00480
60	Aircraft and parts	.00033	.00027	.00044	.00059	.00076	.00073	.00029	.00064	.00050	.00044
61	Other transportation equipment	.00060	.00029	.00052	.00023	.00079	.00100	.00024	.00043	.00063	.00062
62	Scientific and controlling instruments	.00108	.00068	.00173	.00081	.00111	.00062	.00051	.00071	.00470	.00389
63	Ophthalmic and photographic equipment	.00082	.00061	.00058	.00086	.00069	.00059	.00059	.00053	.00108	.00095
64	Miscellaneous manufacturing	.00158	.00116	.00106	.00095	.00110	.00078	.00073	.00114	.00467	.00449
65A	Railroads and related services; passenger ground transportation	.02054	.00641	.00418	.00605	.01244	.03265	.00400	.00828	.00648	.00631
65B	Motor freight transportation and warehousing	.05251	.02924	.01544	.02594	.03298	.02351	.01015	.03198	.03745	.03547
65C	Water transportation	.00423	.00347	.01571	.00206	.00415	.00754	.00421	.00300	.00305	.00310
65D	Air transportation	.00534	.00425	.00706	.01377	.00729	.00634	.00505	.00560	.00535	.00508
65E	Pipelines, freight forwarders, and related services	.00583	.00360	.00398	.00381	.00457	.00421	.00219	.00436	.00333	.00347
66	Communications, except radio and TV	.01317	.00904	.00743	.00952	.00987	.00665	.00790	.00894	.01277	.01270
67	Radio and TV broadcasting	.00330	.00168	.00167	.00220	.00161	.00129	.00143	.00190	.00235	.00228
68A	Electric services (utilities)	.03260	.01594	.00738	.00998	.09023	.02797	.02354	.05030	.01393	.01304
68B	Gas production and distribution (utilities)	.01162	.01420	.00805	.00811	.02491	.00969	.04495	.03441	.00918	.00885
68C	Water and sanitary services	.00254	.00316	.00126	.00120	.00122	.00080	.00140	.00113	.00152	.00154
69A	Wholesale trade	.12473	.08357	.04815	.06489	.06621	.05650	.02424	.06185	.07792	.07459
69B	Retail trade	.00335	.00222	.00432	.00206	.00462	.00296	.00424	.00511	.04185	.04670
70A	Finance	.02444	.01711	.01996	.01896	.02390	.01769	.01691	.02056	.02173	.02045
70B	Insurance	.01114	.00756	.01017	.00657	.00696	.00451	.00414	.00692	.01125	.00811
71A	Owner-occupied dwellings	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties	.10916	.11460	.03231	.04117	.03536	.04147	.22707	.03423	.03190	.03086
72A	Hotels and lodging places	.00396	.00280	.00464	.00351	.00645	.00532	.00526	.00504	.00436	.00410
72B	Personal and repair services (except auto)	.00306	.00271	.00235	.00420	.00242	.00161	.00179	.00186	.00273	.00272
73A	Computer and data processing services	.00868	.00595	.00641	.00598	.01032	.00645	.00578	.01012	.00944	.00839
73B	Legal, engineering, accounting, and related services	.01762	.01462	.03360	.02547	.03411	.02739	.03680	.02255	.08655	.05113
73C	Other business and professional services, except medical	.03745	.03126	.03452	.03010	.03785	.02486	.02367	.02697	.05899	.05868
73D	Advertising	.00359	.00184	.00182	.00240	.00176	.00141	.00156	.00207	.00258	.00250
74	Eating and drinking places	.00454	.00310	.00563	.00457	.00837	.00651	.00600	.00697	.00537	.00514
75	Automotive repair and services	.01169	.00981	.01004	.01559	.01021	.00548	.00480	.00654	.01199	.01285
76	Amusements	.00318	.00205	.00311	.01040	.00164	.00153	.00162	.00162	.00214	.00210
77A	Health services	.01919	.00012	.00067	.00085	.00007	.00005	.00004	.00005	.00010	.00010
77B	Educational and social services, and membership organizations	.00265	.00181	.00339	.00178	.00363	.00331	.00189	.00187	.00193	.00180
78	Federal Government enterprises	.00469	.00302	.00300	.00341	.00720	.00307	.00333	.00460	.00510	.00486
79	State and local government enterprises	.01227	.00944	.00514	.00561	.01552	.00961	.01053	.01033	.00618	.00595
82	General government industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Household industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Inventory valuation adjustment	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total industry output multiplier	**2.77218**	**1.89708**	**1.87297**	**1.81731**	**2.20761**	**1.77991**	**1.94326**	**1.80742**	**2.07407**	**1.98925**

*Less than .000005.

Table 5.—Industry-by-Commodity

[Total requirements, direct and indirect, per dollar

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes
	Commodity number	13	14	15	16	17	18	19	20+21	22+23	24	25
1	Livestock and livestock products	0.00068	0.25604	0.00091	0.01578	0.00762	0.00594	0.00765	0.00573	0.00246	0.00327	0.00188
2	Other agricultural products	.00126	.16848	.08842	.09009	.02371	.02844	.03275	.02859	.00844	.00595	.00341
3	Forestry and fishery products	.00066	.00841	.00039	.00064	.00086	.00344	.00089	.09624	.00836	.00817	.00381
4	Agricultural, forestry, and fishery services	.00163	.02513	.00671	.00797	.00316	.00370	.00370	.02118	.00335	.00315	.00202
5+6	Metallic ores mining	.00370	.00171	.00031	.00213	.00270	.00102	.00134	.00117	.00395	.00175	.00197
7	Coal mining	.00300	.00420	.00184	.00704	.00634	.00439	.00449	.00328	.00467	.00995	.00710
8	Crude petroleum and natural gas	.01199	.02511	.00874	.03649	.04088	.02135	.02523	.02401	.01987	.03642	.03220
9+10	Nonmetallic minerals mining	.00128	.00278	.00118	.00456	.00511	.00191	.00262	.00197	.00198	.00698	.00407
11	New construction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction	.01631	.02473	.00955	.02553	.02997	.02045	.02117	.02035	.01833	.03171	.02588
13	Ordnance and accessories	.96874	.00006	.00003	.00008	.00010	.00007	.00006	.00006	.00008	.00009	.00008
14	Food and kindred products	.00270	1.23597	.00242	.00808	.00789	.00612	.00947	.00832	.00591	.01410	.00851
15	Tobacco products	(*)	.00001	1.09045	.00002	.00002	.00001	.00001	(*)	(*)	.00007	.00003
16	Broad and narrow fabrics, yarn and thread mills	.00241	.00244	.00143	1.27721	.24693	.36494	.45425	.00250	.06701	.00745	.00400
17	Miscellaneous textile goods and floor coverings	.00080	.00181	.00070	.00433	.97617	.00470	.06276	.00402	.02728	.00993	.00458
18	Apparel	.00093	.00034	.00014	.01310	.00508	1.24581	.04894	.00045	.00115	.00048	.00038
19	Miscellaneous fabricated textile products	.00033	.00078	.00033	.00330	.00383	.03781	.91556	.00052	.00194	.00067	.00043
20+21	Lumber and wood products	.00654	.00900	.00396	.00521	.00724	.00435	.00704	1.41773	.11913	.11404	.05208
22+23	Furniture and fixtures	.00065	.00020	.00005	.00013	.00011	.00015	.00110	.00347	.99593	.00051	.00028
24	Paper and allied products, except containers	.00665	.04032	.02146	.01216	.03267	.01120	.01437	.01107	.01999	1.15789	.49161
25	Paperboard containers and boxes	.00436	.02853	.01425	.00591	.00776	.00536	.00619	.00680	.01960	.01966	1.00112
26A	Newspapers and periodicals	.00379	.01149	.02453	.00365	.00595	.00660	.00443	.00418	.00586	.00491	.00468
26B	Other printing and publishing	.00581	.02003	.03477	.00666	.01117	.01059	.00935	.00742	.00943	.01739	.01266
27A	Industrial and other chemicals	.02191	.02628	.01122	.13773	.17442	.05284	.07809	.02184	.03351	.09023	.06856
27B	Agricultural fertilizers and chemicals	.00160	.01680	.00794	.01295	.00898	.00456	.00580	.00712	.00230	.00372	.00252
28	Plastics and synthetic materials	.01033	.00948	.00992	.18630	.26319	.07016	.09825	.01181	.03113	.04118	.02612
29A	Drugs	.00027	.00587	.00023	.00112	.00132	.00056	.00068	.00030	.00031	.00083	.00058
29B	Cleaning and toilet preparations	.00068	.00319	.00248	.00531	.00910	.00705	.00369	.00127	.00212	.00708	.00369
30	Paints and allied products	.00120	.00144	.00035	.00175	.00222	.00095	.00114	.00314	.01026	.00166	.00447
31	Petroleum refining and related products	.00994	.02232	.00829	.02570	.02799	.01560	.01818	.02441	.01716	.02642	.02763
32	Rubber and miscellaneous plastics products	.02443	.03308	.01088	.02365	.03620	.01873	.03447	.02384	.05757	.05497	.03687
33+34	Footwear, leather, and leather products	.00007	.00024	.00006	.00050	.00022	.00738	.02772	.00031	.00158	.00011	.00013
35	Glass and glass products	.00161	.01397	.00040	.01094	.00356	.00362	.00489	.00573	.00667	.00165	.00223
36	Stone and clay products	.00439	.00252	.00096	.00236	.00669	.00162	.00237	.00831	.00689	.00570	.00360
37	Primary iron and steel manufacturing	.03532	.01312	.00222	.00532	.00725	.00417	.00491	.01334	.06432	.00827	.01739
38	Primary nonferrous metals manufacturing	.04417	.01825	.00160	.00399	.00516	.00393	.00358	.00810	.02600	.00701	.01040
39	Metal containers	.00036	.03128	.00028	.00139	.00166	.00074	.00095	.00069	.00097	.00124	.00206
40	Heating, plumbing, and fabricated structural metal products	.00284	.00203	.00073	.00176	.00219	.00142	.00160	.01104	.00459	.00296	.00228
41	Screw machine products and stampings	.01105	.00314	.00050	.00099	.00125	.00087	.00108	.00761	.01402	.00200	.00239
42	Other fabricated metal products	.01853	.00830	.00282	.00363	.00486	.00283	.00370	.01908	.05197	.01206	.01789
43	Engines and turbines	.00185	.00070	.00023	.00068	.00071	.00049	.00053	.00080	.00068	.00079	.00074
44+45	Farm, construction, and mining machinery	.00103	.00246	.00080	.00137	.00098	.00070	.00076	.00129	.00123	.00108	.00085
46	Materials handling machinery and equipment	.00022	.00024	.00008	.00024	.00027	.00020	.00020	.00069	.00109	.00034	.00029
47	Metalworking machinery and equipment	.00447	.00133	.00059	.00135	.00150	.00091	.00125	.00234	.00309	.00170	.00211
48	Special industry machinery and equipment	.00342	.00121	.00044	.00325	.01347	.00472	.00421	.00112	.00173	.00454	.00682
49	General industrial machinery and equipment	.01494	.00219	.00049	.00124	.00180	.00108	.00127	.00402	.00437	.00211	.00191
50	Miscellaneous machinery, except electrical	.01134	.00300	.00103	.00451	.00472	.00280	.00373	.00470	.00577	.00506	.00536
51	Computer and office equipment	.00774	.00143	.00099	.00151	.00171	.00149	.00133	.00136	.00140	.00186	.00169
52	Service industry machinery	.00053	.00078	.00044	.00066	.00080	.00058	.00081	.00197	.00180	.00098	.00079
53	Electrical industrial equipment and apparatus	.00904	.00173	.00097	.00139	.00190	.00122	.00132	.00184	.00241	.00190	.00187
54	Household appliances	.00018	.00015	.00006	.00019	.00020	.00014	.00043	.00316	.00050	.00040	.00025
55	Electric lighting and wiring equipment	.00196	.00125	.00081	.00094	.00098	.00069	.00073	.00294	.00125	.00148	.00108
56	Audio, video, and communication equipment	.01324	.00043	.00026	.00038	.00044	.00039	.00036	.00044	.00048	.00043	.00044
57	Electronic components and accessories	.06715	.00295	.00165	.00275	.00308	.00307	.00255	.00292	.00307	.00311	.00313
58	Miscellaneous electrical machinery and supplies	.00157	.00203	.00082	.00104	.00088	.00079	.00078	.00121	.00084	.00098	.00090
59A	Motor vehicles (passenger cars and trucks)	.00020	.00018	.00006	.00012	.00014	.00010	.00010	.00045	.00028	.00018	.00018
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00461	.00377	.00143	.00279	.00306	.00232	.00280	.00719	.00327	.00372	.00372
60	Aircraft and parts	.10843	.00041	.00022	.00042	.00046	.00044	.00045	.00046	.00054	.00046	.00052
61	Other transportation equipment	.00105	.00049	.00012	.00037	.00046	.00032	.00116	.00113	.00040	.00059	.00058
62	Scientific and controlling instruments	.05752	.00088	.00045	.00076	.00244	.00058	.00082	.00102	.00291	.00512	.00271
63	Ophthalmic and photographic equipment	.00111	.00096	.00084	.00099	.00128	.00094	.00091	.00089	.00111	.00290	.00174
64	Miscellaneous manufacturing	.00113	.00172	.00226	.00106	.00138	.01520	.00430	.00219	.00224	.00136	.00129
65A	Railroads and related services; passenger ground transportation	.00431	.01489	.00295	.01135	.01382	.00623	.00735	.01294	.00906	.01801	.02060
65B	Motor freight transportation and warehousing	.01994	.04518	.01357	.03452	.04469	.02838	.03464	.05135	.03606	.05766	.07533
65C	Water transportation	.00100	.00490	.00093	.00294	.00429	.00157	.00213	.00523	.00236	.00443	.00305
65D	Air transportation	.00802	.00802	.00489	.00788	.00854	.00959	.00937	.00799	.00774	.00801	.00978
65E	Pipelines, freight forwarders, and related services	.00241	.00456	.00168	.00405	.00480	.00332	.00369	.00458	.00345	.00515	.00601
66	Communications, except radio and TV	.00938	.01162	.00807	.01008	.01259	.01097	.01061	.01020	.01146	.01082	.01248
67	Radio and TV broadcasting	.00262	.00829	.01818	.00254	.00421	.00475	.00311	.00277	.00415	.00334	.00275
68A	Electric services (utilities)	.01708	.02403	.00702	.04453	.03517	.02813	.02865	.02290	.02252	.03835	.03008
68B	Gas production and distribution (utilities)	.00769	.01463	.00397	.02171	.02402	.01476	.01642	.01082	.01199	.02740	.01922
68C	Water and sanitary services	.00124	.00218	.00072	.00236	.00291	.00152	.00201	.00183	.00169	.00385	.00271
69A	Wholesale trade	.05904	.12083	.03700	.09991	.09606	.09692	.09955	.11097	.11358	.09526	.11634
69B	Retail trade	.00156	.00462	.00406	.00314	.00303	.00240	.00249	.00346	.00378	.00439	.00346
70A	Finance	.01774	.02467	.01509	.02254	.02502	.02309	.02272	.02386	.02256	.02372	.02498
70B	Insurance	.00401	.00776	.00394	.00579	.00598	.00554	.00554	.00682	.00561	.00598	.00625
71A	Owner-occupied dwellings	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties	.02457	.05339	.02454	.03595	.03358	.03817	.03966	.03115	.03217	.02893	.03033
72A	Hotels and lodging places	.00559	.00615	.00476	.00646	.00731	.00729	.00688	.00687	.00641	.00664	.00727
72B	Personal and repair services (except auto)	.00260	.00368	.00214	.01024	.00850	.00597	.00550	.00396	.00353	.00568	.00524
73A	Computer and data processing services	.01477	.00966	.00596	.01103	.01267	.00981	.00962	.00967	.00968	.01214	.01198
73B	Legal, engineering, accounting, and related services	.01710	.01790	.01843	.02406	.02948	.01944	.02053	.01989	.02185	.01949	.01799
73C	Other business and professional services, except medical	.03560	.04202	.03043	.04064	.04277	.08289	.03848	.03927	.04235	.04140	.04280
73D	Advertising	.00285	.00899	.01969	.00277	.00457	.00519	.00338	.00302	.00451	.00363	.00300
74	Eating and drinking places	.00743	.00759	.00578	.00860	.00940	.00991	.00942	.00909	.00874	.00843	.00918
75	Automotive repair and services	.00609	.01161	.00595	.01135	.01237	.00886	.00904	.01249	.00904	.01397	.01437
76	Amusements	.00212	.00569	.01063	.00223	.00321	.00370	.00247	.00266	.00303	.00284	.00258
77A	Health services	.00006	.00411	.00005	.00031	.00019	.00020	.00018	.00015	.00010	.00012	.00011
77B	Educational and social services, and membership organizations	.00224	.00276	.00228	.00257	.00287	.00285	.00737	.00580	.00350	.00317	.00280
78	Federal Government enterprises	.00292	.00442	.00359	.00508	.00547	.00522	.00539	.00442	.00491	.00489	.00477
79	State and local government enterprises	.00580	.01027	.00368	.01184	.01285	.01049	.01123	.01015	.00922	.01486	.01207
82	General government industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Household industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Inventory valuation adjustment	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total industry output multiplier	**1.83140**	**2.59361**	**1.64851**	**2.42996**	**2.49453**	**2.47170**	**2.37268**	**2.31541**	**2.13163**	**2.23533**	**2.42815**

*Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agri-cultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet prepar-ations	Paints and allied products	Petroleum refining and related products	Rubber and miscel-laneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manu-facturing	Primary nonferrous metals manu-facturing	Metal containers	Heating, plumbing, and fabri-cated structural metal products	Screw machine products and stampings	Industry number
26A	26B	27A	27B	28	29A	29B	30	31	32	33+34	35	36	37	38	39	40	41	
0.00083	0.00106	0.00210	0.00505	0.00218	0.00232	0.00484	0.00353	0.00092	0.00178	0.04878	0.00083	0.00095	0.00075	0.00090	0.00101	0.00078	0.00075	1
.00135	.00193	.01136	.00553	.01163	.00516	.00516	.00610	.00161	.00647	.02940	.00192	.00196	.00128	.00189	.00174	.00131	.00121	2
.00105	.00168	.00098	.00119	.00106	.00093	.00111	.00104	.00057	.00728	.00176	.00189	.00098	.00071	.00119	.00083	.00070	.00062	3
.00131	.00139	.00224	.00196	.00223	.00162	.00171	.00172	.00163	.00290	.00521	.00154	.00149	.00134	.00169	.00143	.00121	.00109	4
.00050	.00088	.01452	.00474	.00678	.00098	.00289	.00701	.00168	.00293	.00148	.00268	.00252	.04731	.06971	.03346	.01616	.01449	5+6
.00204	.00317	.00790	.00683	.00756	.00240	.00329	.00443	.00398	.00533	.00354	.01177	.01384	.03182	.00867	.01117	.00869	.00963	7
.01080	.01613	.13701	.10982	.07855	.01389	.03607	.05437	.78847	.03479	.02639	.03289	.04336	.03354	.03102	.02933	.02098	.01986	8
.00129	.00203	.03045	.05925	.01185	.00177	.00508	.00991	.00557	.00489	.00281	.01500	.08471	.00680	.00275	.00313	.00261	.00258	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.01630	.01882	.03370	.03112	.03345	.01757	.01979	.02268	.05249	.02460	.02513	.02360	.02627	.02827	.02759	.02721	.01925	.02611	12
.00005	.00006	.00050	.00011	.00020	.00006	.00030	.00016	.00006	.00010	.00007	.00007	.00007	.00030	.00038	.00022	.00036	.00071	13
.00346	.00453	.01794	.02417	.01010	.01229	.02016	.01820	.00410	.00622	.16608	.00363	.00400	.00318	.00373	.00469	.00338	.00319	14
.00001	.00001	.00016	.00002	.00005	.00001	.00002	.00004	.00001	.00002	.00001	.00001	.00001	(*)	.00001	.00001	(*)	(*)	15
.00123	.00329	.00182	.00119	.05498	.00133	.00286	.00773	.00070	.02619	.05394	.00161	.00574	.00106	.00252	.00168	.00133	.00141	16
.00129	.00249	.00072	.00066	.00383	.00092	.00196	.00083	.00061	.01330	.03153	.00092	.00067	.00058	.00074	.00063	.00064	.00069	17
.00018	.00027	.00029	.00029	.00050	.00024	.00043	.00028	.00022	.00102	.00858	.00024	.00031	.00033	.00036	.00037	.00030	.00030	18
.00023	.00052	.00031	.00029	.00034	.00025	.00077	.00026	.00031	.00101	.00246	.00029	.00039	.00028	.00029	.00031	.00028	.00059	19
.01371	.02055	.00659	.00621	.00733	.00461	.00687	.00455	.00637	.00971	.00602	.02758	.01170	.00815	.01128	.00826	.00857	.00661	20+21
.00010	.00018	.00012	.00011	.00013	.00010	.00016	.00018	.00010	.00078	.00027	.00607	.00036	.00044	.00036	.00087	.00108	.00077	22+23
.12015	.19351	.01617	.01555	.02928	.02100	.04697	.01249	.00611	.03863	.02458	.03047	.02161	.00660	.00796	.01468	.00930	.01084	24
.00380	.01059	.00870	.00885	.00960	.01484	.04214	.00492	.00275	.01987	.01081	.04791	.00611	.00254	.00428	.00892	.00729	.00809	25
.98826	.04055	.00511	.00753	.00519	.02051	.02078	.00671	.00377	.00462	.01117	.00345	.00434	.00420	.00368	.00467	.00442	.00492	26A
.16827	1.09321	.00899	.01734	.00911	.03163	.02933	.01149	.00667	.00831	.02130	.00613	.00718	.00900	.00724	.02968	.00778	.00848	26B
.02241	.03897	1.10983	.20679	.48463	.05255	.17304	.31034	.05100	.15897	.07405	.06025	.04820	.02776	.06434	.04822	.03136	.02273	27A
.00088	.00139	.02583	1.01398	.02169	.00352	.00527	.00852	.00141	.00614	.00504	.00181	.00153	.00098	.00176	.00149	.00109	.00087	27B
.00597	.01175	.06909	.02857	.89041	.01103	.02394	.12808	.00429	.17987	.02895	.01111	.01248	.00503	.02472	.01480	.00947	.00878	28
.00020	.00034	.00787	.01384	.00308	1.12308	.02378	.00212	.00035	.00112	.00140	.00050	.00041	.00023	.00030	.00031	.00024	.00019	29A
.00111	.00171	.01433	.02991	.01348	.00841	.97670	.00808	.00426	.00476	.00710	.00340	.00390	.00091	.00115	.00120	.00094	.00092	29B
.00050	.00077	.00744	.00214	.00582	.00072	.00227	.98671	.00104	.00271	.00114	.00187	.00292	.00126	.00116	.02425	.00620	.00351	30
.00929	.01296	.09777	.04541	.04795	.01027	.03258	.04434	1.02816	.02500	.02194	.02204	.03475	.02228	.02292	.02148	.01586	.01457	31
.00975	.02550	.02513	.02339	.05988	.03036	.07277	.01942	.00899	1.03603	.05491	.03537	.01799	.01190	.02611	.01784	.02400	.01907	32
.00012	.00035	.00009	.00009	.00011	.00008	.00014	.00007	.00009	.00050	1.24098	.00008	.00008	.00009	.00008	.00009	.00015	.00012	33+34
.00052	.00079	.00219	.00227	.00188	.00585	.00726	.00155	.00316	.00781	.00293	1.07235	.00387	.00098	.00662	.00288	.00756	.00325	35
.00133	.00186	.00578	.00678	.00397	.00230	.00310	.01819	.00709	.00535	.00302	.02182	1.09453	.02442	.00776	.00923	.00908	.01018	36
.00273	.00475	.01606	.01086	.00995	.00404	.00931	.01619	.01661	.01573	.00767	.00895	.02163	1.22139	.04461	.24830	.24289	.27531	37
.00236	.00464	.01192	.00765	.00692	.00350	.00985	.02293	.00463	.00878	.00614	.01045	.00830	.04993	1.43023	.50527	.13982	.08939	38
.00035	.00068	.00815	.00767	.00394	.00242	.01319	.04024	.00161	.00164	.00441	.00074	.00070	.00050	.00073	1.07774	.00077	.00064	39
.00110	.00147	.00295	.00246	.00251	.00129	.00176	.00183	.00316	.00625	.00187	.00345	.00393	.00417	.00504	.00597	1.00446	.00859	40
.00070	.00108	.00158	.00150	.00141	.00194	.00236	.00151	.00105	.00455	.00210	.00280	.00323	.00740	.00378	.00524	.01747	.97677	41
.00303	.00570	.01101	.00733	.00719	.00319	.00699	.00602	.00705	.01317	.01323	.00476	.01189	.02555	.01581	.02775	.04750	.03764	42
.00032	.00049	.00101	.00107	.00085	.00032	.00050	.00071	.00085	.00090	.00048	.00084	.00132	.02232	.00140	.00125	.00316	.00313	43
.00034	.00081	.00243	.00326	.00140	.00041	.00072	.00110	.00289	.00092	.00090	.00139	.00425	.00464	.00302	.00226	.00331	.01189	44+45
.00012	.00016	.00062	.00107	.00038	.00016	.00023	.00031	.00058	.00038	.00020	.00042	.00139	.00111	.00098	.00067	.00124	.00053	46
.00055	.00101	.00215	.00111	.00177	.00065	.00126	.00140	.00103	.00366	.00118	.00605	.00475	.01171	.01428	.00895	.01163	.02609	47
.00149	.00543	.00702	.00172	.00397	.00082	.00188	.00216	.00055	.00499	.00162	.00224	.00079	.00137	.00235	.00148	.00134	.00109	48
.00064	.00100	.00237	.00255	.00212	.00138	.00124	.00164	.00218	.00211	.00109	.00155	.00367	.02450	.01186	.00932	.01149	.01028	49
.00157	.00277	.00640	.00337	.00540	.00183	.00343	.00332	.00348	.00898	.00416	.00697	.00520	.01100	.00910	.01003	.01471	.02699	50
.00221	.00196	.00201	.00190	.00200	.00153	.00150	.00152	.00175	.00178	.00177	.00142	.00185	.00214	.00207	.00204	.00171	.00210	51
.00045	.00053	.00124	.00085	.00099	.00048	.00145	.00068	.00094	.00091	.00066	.00072	.00083	.00143	.00081	.00089	.00537	.00208	52
.00084	.00121	.00274	.00203	.00215	.00102	.00184	.00174	.00193	.00213	.00118	.00377	.00251	.01220	.00693	.00547	.00661	.00621	53
.00011	.00014	.00028	.00018	.00021	.00010	.00016	.00015	.00022	.00020	.00014	.00099	.00017	.00027	.00024	.00021	.00084	.00174	54
.00060	.00106	.00121	.00105	.00133	.00078	.00121	.00477	.00126	.00159	.00111	.00253	.00133	.00239	.00265	.00188	.00136	.00174	55
.00045	.00069	.00046	.00046	.00050	.00040	.00042	.00041	.00047	.00043	.00043	.00036	.00066	.00049	.00055	.00052	.00096	.00096	56
.00292	.00307	.00332	.00319	.00331	.00299	.00281	.00294	.00251	.00406	.00299	.00267	.00287	.00413	.00684	.00490	.00411	.00541	57
.00093	.00086	.00092	.00096	.00090	.00061	.00080	.00082	.00084	.00113	.00087	.00066	.00147	.00118	.00797	.00336	.00153	.00189	58
.00010	.00011	.00015	.00018	.00015	.00010	.00012	.00014	.00012	.00016	.00012	.00015	.00023	.00025	.00019	.00020	.00035	.01142	59A
.00234	.00251	.00320	.00396	.00325	.00190	.00224	.00290	.00265	.00296	.00273	.00292	.00555	.00403	.00487	.00415	.00420	.00815	59B
.00031	.00039	.00074	.00046	.00055	.00035	.00041	.00045	.00033	.00084	.00046	.00038	.00043	.00068	.00074	.00067	.00097	.00082	60
.00022	.00029	.00057	.00069	.00059	.00020	.00037	.00070	.00041	.00064	.00026	.00060	.00077	.00082	.00057	.00056	.00282	.00062	61
.00129	.00232	.00244	.00151	.00153	.00513	.00146	.00129	.00084	.00196	.00106	.00196	.00116	.00238	.00131	.00131	.00411	.00213	62
.00390	.00988	.00258	.00174	.00157	.00185	.00141	.00626	.00083	.00191	.00091	.00082	.00086	.00093	.00090	.00129	.00099	.00106	63
.00193	.00363	.00145	.00134	.00132	.00264	.00287	.00124	.00106	.00249	.00435	.00093	.00186	.00113	.00114	.00118	.00134	.00134	64
.00633	.00908	.01635	.02127	.01739	.00500	.01043	.02444	.00644	.01351	.00691	.01929	.01891	.02370	.01736	.01712	.01171	.01226	65A
.02213	.03525	.04773	.08871	.04918	.01561	.03312	.05467	.01792	.05678	.03777	.03412	.10023	.05180	.06482	.06121	.04239	.04273	65B
.00091	.00146	.00660	.00783	.00665	.00112	.00333	.00647	.00872	.00435	.00188	.00541	.01307	.00922	.00413	.00452	.00318	.00352	65C
.00667	.00747	.00788	.00763	.00854	.00653	.00735	.00738	.00562	.00805	.00894	.00634	.00663	.00844	.00930	.00976	.00788	.00806	65D
.00237	.00321	.00895	.00745	.00661	.00218	.00410	.00616	.03521	.00504	.00385	.00379	.00721	.00505	.00536	.00530	.00378	.00380	65E
.01365	.01160	.01131	.01216	.01402	.01221	.01260	.01159	.01081	.01152	.01260	.00957	.01185	.01080	.01209	.01269	.01155	.01048	66
.00784	.00414	.00354	.00521	.00361	.01499	.01530	.00480	.00262	.00319	.00819	.00239	.00291	.00287	.00251	.00304	.00306	.00345	67
.01188	.01803	.03899	.03192	.04022	.01398	.01799	.02379	.02848	.03361	.02170	.03730	.03898	.05257	.06023	.04703	.02834	.03105	68A
.00644	.01043	.04695	.04484	.03751	.00859	.01474	.02120	.12721	.01889	.01491	.03036	.03676	.03231	.02280	.02330	.01638	.01660	68B
.00104	.00152	.00469	.00417	.00447	.00160	.00210	.00350	.00248	.00242	.00599	.00192	.00230	.00444	.00295	.00300	.00214	.00603	68C
.04965	.06879	.09240	.09377	.09934	.09166	.08892	.09203	.06641	.08616	.09713	.07586	.06838	.11937	.15520	.16158	.11541	.10966	69A
.00216	.00232	.00360	.00383	.00363	.00248	.00527	.00260	.00430	.00366	.00292	.00507	.00400	.00294	.00288	.00319	.00269	.00290	69B
.01819	.01956	.02486	.02912	.02660	.01928	.02182	.02438	.02686	.02363	.02242	.01990	.02306	.02482	.02574	.02878	.02222	.02344	70A
.00447	.00486	.00609	.00666	.00609	.00415	.00497	.00560	.00548	.00556	.00658	.00497	.00684	.00598	.00624	.00671	.00517	.00541	70B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71A
.05561	.04643	.05151	.04591	.04087	.02871	.03452	.03287	.15870	.03387	.03464	.02688	.03343	.02893	.03164	.03364	.03173	.02943	71B
.00550	.00590	.00674	.00700	.00727	.00580	.00639	.00695	.00556	.00661	.00662	.00573	.00609	.00661	.00748	.00861	.00669	.00645	72A
.00240	.00324	.00487	.00534	.00608	.00264	.00318	.00347	.00381	.00467	.00372	.00460	.00506	.00716	.00524	.00627	.00390	.00519	72B
.01409	.01058	.01273	.01393	.01436	.00962	.00998	.01042	.01201	.01169	.01431	.01071	.01159	.01556	.01312	.01432	.01136	.01252	73A
.02513	.01590	.04849	.03743	.05514	.04510	.03381	.03574	.04106	.02799	.01887	.01665	.02110	.02061	.02060	.02228	.01863	.02286	73B
.05776	.03956	.04518	.05241	.04724	.05540	.04828	.03797	.03593	.04069	.03951	.03508	.04092	.04751	.04427	.04814	.04941	.04580	73C
.00852	.00450	.00386	.00567	.00393	.01625	.01658	.00522	.00285	.00347	.00888	.00261	.00317	.00313	.00274	.00331	.00334	.00376	73D
.00671	.00741	.00838	.00856	.00907	.00704	.00789	.00852	.00725	.00854	.00964	.00766	.00802	.00856	.00973	.01100	.00900	.00871	74
.00750	.00986	.01184	.01478	.01346	.00657	.00856	.01021	.00840	.01177	.00929	.01061	.01448	.01530	.01351	.01524	.01033	.01205	75
.00526	.00317	.00297	.00373	.00318	.00914	.00933	.00379	.00243	.00276	.00500	.00203	.00238	.00251	.00244	.00306	.00252	.00286	76
.00009	.00007	.00010	.00017	.00011	.00010	.00014	.00012	.00006	.00010	.00083	.00007	.00010	.00009	.00009	.00009	.00008	.00008	77A
.00241	.00284	.00282	.00322	.00397	.00586	.00384	.00264	.00285	.00562	.00240	.00209	.00229	.00254	.00299	.00358	.00277	.00456	77B
.01179	.00611	.00526	.00477	.00530	.00372	.00467	.00429	.00457	.00469	.00587	.00455	.00473	.00587	.00619	.00566	.00469	.00486	78
.00684	.00848	.01556	.01567	.01547	.00565	.00783	.01178	.01480	.01093	.01499	.01128	.01566	.01697	.01606	.01411	.01034	.01413	79
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
1.78556	**1.93363**	**2.31027**	**2.33626**	**2.43631**	**1.84559**	**2.08237**	**2.29400**	**2.70922**	**2.19401**	**2.41323**	**1.91941**	**2.06300**	**2.22002**	**2.49382**	**2.83547**	**2.20014**	**2.17582**	

Table 5.—Industry-by-Commodity

[Total requirements, direct and indirect, per dollar

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus
	Commodity number	42	43	44+45	46	47	48	49	50	51	52	53
1	Livestock and livestock products	0.00081	0.00076	0.00081	0.00073	0.00071	0.00077	0.00079	0.00063	0.00077	0.00081	0.00077
2	Other agricultural products	.00150	.00118	.00136	.00115	.00120	.00124	.00135	.00097	.00117	.00144	.00130
3	Forestry and fishery products	.00085	.00057	.00089	.00071	.00076	.00088	.00072	.00045	.00056	.00096	.00075
4	Agricultural, forestry, and fishery services	.00126	.00135	.00133	.00113	.00113	.00123	.00134	.00118	.00131	.00124	.00145
5+6	Metallic ores mining	.01137	.01102	.00905	.00946	.00738	.00799	.00760	.00897	.00261	.00946	.00908
7	Coal mining	.00748	.00730	.00669	.00632	.00543	.00500	.00565	.00537	.00265	.00527	.00499
8	Crude petroleum and natural gas	.02135	.01630	.01682	.01678	.01526	.01459	.01562	.01371	.01003	.01597	.01852
9+10	Nonmetallic minerals mining	.00245	.00224	.00197	.00178	.00319	.00171	.00175	.00157	.00101	.00216	.00393
11	New construction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction	.02077	.02145	.01905	.01786	.01830	.01843	.01790	.01853	.02135	.02065	.01847
13	Ordnance and accessories	.00021	.00062	.00020	.00151	.00077	.00033	.00034	.00038	.00015	.00127	.00017
14	Food and kindred products	.00343	.00314	.00333	.00301	.00297	.00319	.00307	.00254	.00316	.00352	.00312
15	Tobacco products	.00001	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00263	.00151	.00202	.00159	.00156	.00170	.00333	.00121	.00137	.00212	.00190
17	Miscellaneous textile goods and floor coverings	.00117	.00081	.00124	.00123	.00065	.00104	.00793	.00183	.00065	.00122	.00090
18	Apparel	.00060	.00078	.00036	.00032	.00036	.00117	.00035	.00022	.00034	.00038	.00030
19	Miscellaneous fabricated textile products	.00077	.00034	.00031	.00027	.00023	.00027	.00026	.00021	.00030	.00027	.00025
20+21	Lumber and wood products	.00819	.00492	.00698	.00653	.00844	.00888	.00610	.00440	.00467	.00914	.00625
22+23	Furniture and fixtures	.00222	.00034	.00069	.00312	.00026	.00023	.00023	.00026	.00075	.00119	.00029
24	Paper and allied products, except containers	.01999	.00793	.00874	.00812	.00856	.01527	.01401	.00668	.01174	.01584	.01524
25	Paperboard containers and boxes	.00874	.00417	.00467	.00345	.00643	.00418	.00721	.00453	.00712	.00759	.00676
26A	Newspapers and periodicals	.00509	.00397	.00529	.00499	.00431	.00505	.00530	.00471	.00704	.00555	.00601
26B	Other printing and publishing	.00958	.00721	.00872	.00838	.00707	.00886	.00849	.00719	.01099	.00877	.00903
27A	Industrial and other chemicals	.03521	.01566	.02080	.01538	.02196	.01701	.01669	.01237	.01501	.02359	.02101
27B	Agricultural fertilizers and chemicals	.00127	.00072	.00089	.00073	.00085	.00076	.00113	.00057	.00075	.00104	.00091
28	Plastics and synthetic materials	.01639	.00763	.01217	.00820	.01004	.00870	.01182	.00583	.00830	.01524	.01329
29A	Drugs	.00027	.00014	.00017	.00014	.00018	.00020	.00014	.00010	.00015	.00024	.00019
29B	Cleaning and toilet preparations	.00127	.00070	.00080	.00069	.00074	.00075	.00081	.00052	.00082	.00165	.00151
30	Paints and allied products	.00751	.00262	.00501	.00253	.00291	.00145	.00159	.00119	.00143	.00458	.00350
31	Petroleum refining and related products	.01550	.01272	.01325	.01374	.01192	.01179	.01227	.01045	.00845	.01252	.01590
32	Rubber and miscellaneous plastics products	.04169	.02576	.05539	.03201	.04032	.03339	.04044	.01428	.02861	.04197	.04073
33+34	Footwear, leather, and leather products	.00023	.00008	.00009	.00008	.00006	.00014	.00007	.00006	.00007	.00008	.00007
35	Glass and glass products	.00252	.00130	.00193	.00131	.00133	.00198	.00120	.00120	.00390	.00197	.00179
36	Stone and clay products	.00872	.01212	.00768	.00754	.01740	.00784	.00853	.00826	.00323	.01179	.03693
37	Primary iron and steel manufacturing	.21255	.19707	.17579	.17412	.12499	.10756	.12457	.11330	.01905	.10468	.08375
38	Primary nonferrous metals manufacturing	.10019	.07085	.04035	.06045	.05962	.08150	.05924	.10010	.03490	.11125	.09053
39	Metal containers	.00128	.00045	.00059	.00045	.00045	.00041	.00040	.00030	.00042	.00061	.00051
40	Heating, plumbing, and fabricated structural metal products	.01229	.01927	.05167	.02536	.01669	.02061	.01895	.01244	.01106	.01498	.00818
41	Screw machine products and stampings	.02623	.04286	.02150	.03483	.03748	.01454	.01627	.01721	.01470	.03846	.02224
42	Other fabricated metal products	.96838	.04392	.02990	.03614	.02504	.03898	.02645	.03446	.01933	.02835	.01959
43	Engines and turbines	.00206	.95753	.05151	.01023	.00251	.00537	.01047	.00500	.00102	.00369	.02693
44+45	Farm, construction, and mining machinery	.00539	.00861	1.01091	.01920	.00626	.00264	.00649	.00548	.00069	.00223	.00238
46	Materials handling machinery and equipment	.00078	.00051	.00307	.95524	.00147	.00206	.00330	.00090	.00028	.00076	.00134
47	Metalworking machinery and equipment	.01159	.01179	.01801	.01344	.93813	.02058	.01207	.02775	.00268	.00962	.00762
48	Special industry machinery and equipment	.00166	.00104	.00293	.01251	.00630	.98760	.00872	.00327	.00106	.00466	.00123
49	General industrial machinery and equipment	.00948	.03794	.04009	.07149	.01833	.04080	1.02921	.02360	.00214	.03163	.01286
50	Miscellaneous machinery, except electrical	.01950	.05389	.03752	.03857	.04326	.04644	.04069	1.00258	.00567	.02961	.01863
51	Computer and office equipment	.00207	.00288	.00204	.00185	.00180	.00314	.00211	.00227	1.15103	.00236	.00544
52	Service industry machinery	.00196	.00125	.00127	.00221	.00087	.00434	.00533	.00126	.00074	1.04822	.00103
53	Electrical industrial equipment and apparatus	.00955	.04653	.01483	.03680	.02553	.04295	.04725	.00738	.02444	.06216	1.00746
54	Household appliances	.00024	.00051	.00042	.00043	.00118	.00049	.00085	.00022	.00029	.00822	.00670
55	Electric lighting and wiring equipment	.00265	.00189	.00161	.00204	.00281	.00192	.00181	.00728	.00428	.00882	.01098
56	Audio, video, and communication equipment	.00054	.00112	.00062	.00122	.00057	.00070	.00057	.00045	.01250	.00099	.00251
57	Electronic components and accessories	.00630	.00979	.00505	.00566	.00479	.01451	.00744	.00731	.34505	.00817	.03915
58	Miscellaneous electrical machinery and supplies	.00150	.01230	.00706	.00492	.00270	.00208	.00213	.00220	.00193	.00183	.00338
59A	Motor vehicles (passenger cars and trucks)	.00038	.00208	.00147	.00067	.00102	.00027	.00028	.00050	.00025	.00056	.00038
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00369	.04281	.01152	.00873	.00506	.00273	.00529	.00520	.00331	.00938	.00500
60	Aircraft and parts	.00307	.06132	.00395	.00130	.00156	.00128	.00207	.00504	.00066	.00131	.00127
61	Other transportation equipment	.00043	.00305	.00264	.00175	.00072	.00070	.00050	.00189	.00033	.00052	.00311
62	Scientific and controlling instruments	.00496	.01255	.00227	.00426	.00378	.00632	.00584	.00330	.00529	.01857	.00826
63	Ophthalmic and photographic equipment	.00092	.00093	.00094	.00091	.00084	.00139	.00129	.00092	.01532	.00109	.00100
64	Miscellaneous manufacturing	.00264	.00100	.00203	.00156	.00124	.00118	.00173	.00095	.00168	.00176	.00123
65A	Railroads and related services; passenger ground transportation	.00979	.00798	.00832	.00746	.00662	.00650	.00642	.00664	.00429	.00760	.00801
65B	Motor freight transportation and warehousing	.03660	.04118	.03928	.03190	.02898	.02871	.02746	.02602	.01458	.03224	.02900
65C	Water transportation	.00309	.00237	.00275	.00209	.00205	.00184	.00186	.00186	.00105	.00211	.00269
65D	Air transportation	.00736	.01101	.00942	.00872	.00698	.00899	.00825	.00762	.01110	.00851	.00816
65E	Pipelines, freight forwarders, and related services	.00344	.00389	.00366	.00321	.00280	.00301	.00289	.00271	.00258	.00322	.00314
66	Communications, except radio and TV	.01127	.01081	.01166	.01219	.01118	.01281	.01230	.00950	.01445	.01170	.01212
67	Radio and TV broadcasting	.00360	.00277	.00374	.00354	.00304	.00357	.00380	.00329	.00493	.00394	.00427
68A	Electric services (utilities)	.03017	.02502	.02349	.02162	.02285	.02142	.02374	.02370	.01753	.02321	.02340
68B	Gas production and distribution (utilities)	.01720	.01282	.01299	.01241	.01144	.01068	.01198	.01115	.00654	.01182	.01243
68C	Water and sanitary services	.00237	.00219	.00184	.00168	.00162	.00148	.00167	.00145	.00120	.00254	.00159
69A	Wholesale trade	.10186	.11066	.12456	.13427	.08347	.11323	.10472	.07528	.16481	.12158	.11325
69B	Retail trade	.00264	.00236	.00232	.00204	.00190	.00203	.00207	.00186	.00235	.00279	.00257
70A	Finance	.02171	.02252	.02247	.02080	.01893	.01982	.02029	.01877	.02376	.02256	.02226
70B	Insurance	.00498	.00510	.00530	.00516	.00448	.00442	.00465	.00425	.00484	.00510	.00457
71A	Owner-occupied dwellings	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties	.02918	.02662	.02605	.02812	.02784	.03016	.02594	.03006	.03737	.02600	.02757
72A	Hotels and lodging places	.00638	.00682	.00676	.00616	.00577	.00622	.00614	.00569	.00717	.00662	.00615
72B	Personal and repair services (except auto)	.00429	.00431	.00390	.00335	.00311	.00306	.00371	.00305	.00295	.00353	.00345
73A	Computer and data processing services	.01183	.01448	.01261	.01024	.00962	.00974	.01086	.00868	.01960	.01245	.01007
73B	Legal, engineering, accounting, and related services	.02047	.01698	.02109	.02196	.01939	.02228	.01988	.01873	.02816	.02012	.01727
73C	Other business and professional services, except medical	.04175	.04083	.04051	.03911	.03538	.03715	.03889	.04003	.04384	.03782	.03927
73D	Advertising	.00392	.00302	.00407	.00385	.00331	.00388	.00413	.00359	.00536	.00428	.00464
74	Eating and drinking places	.00855	.00906	.00901	.00849	.00828	.00870	.00855	.00752	.00874	.00885	.00836
75	Automotive repair and services	.01056	.01030	.00991	.00862	.00839	.00797	.00888	.00772	.00759	.00904	.00849
76	Amusements	.00273	.00254	.00306	.00269	.00231	.00280	.00281	.00262	.00389	.00315	.00310
77A	Health services	.00007	.00007	.00007	.00007	.00006	.00006	.00007	.00007	.00007	.00007	.00007
77B	Educational and social services, and membership organizations	.00268	.00269	.00253	.00222	.00229	.00214	.00229	.00207	.00336	.00333	.00246
78	Federal Government enterprises	.00460	.00446	.00488	.00453	.00390	.00466	.00430	.00356	.00411	.00394	.00434
79	State and local government enterprises	.01041	.00937	.00870	.00992	.00893	.00811	.00909	.00938	.00640	.00915	.00811
82	General government industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Household industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Inventory valuation adjustment	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total industry output multiplier	**2.08685**	**2.23536**	**2.18521**	**2.12357**	**1.88261**	**2.02455**	**2.02296**	**1.86974**	**2.29318**	**2.19123**	**2.02880**

*Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV	Industry number
54	55	56	57	58	59A	59B	60	61	62	63	64	65A	65B	65C	65D	65E	66	
0.00103	0.00082	0.00069	0.00072	0.00091	0.00131	0.00090	0.00081	0.00086	0.00089	0.00077	0.00200	0.00063	0.00065	0.00127	0.00214	0.00057	0.00063	1
.00215	.00154	.00116	.00128	.00178	.00304	.00163	.00140	.00179	.00160	.00149	.00491	.00122	.00098	.00162	.00196	.00093	.00101	2
.00131	.00078	.00064	.00057	.00098	.00123	.00096	.00055	.00188	.00061	.00083	.00236	.00078	.00044	.00054	.00049	.00072	.00050	3
.00160	.00126	.00116	.00162	.00176	.00153	.00140	.00156	.00159	.00128	.00109	.00171	.00105	.00077	.00113	.00097	.00076	.00096	4
.00868	.00723	.00353	.00369	.00710	.00743	.01684	.00443	.00626	.00298	.00159	.00632	.00143	.00063	.00084	.00052	.00037	.00049	5+6
.00581	.00482	.00251	.00344	.00418	.00508	.00712	.00305	.00487	.00302	.00330	.00381	.00262	.00191	.00215	.00156	.00216	.00113	7
.02213	.01821	.00930	.01204	.01694	.01983	.01941	.01120	.01536	.00965	.01413	.02058	.08055	.05140	.02680	.08540	.01272	.00542	8
.00442	.00284	.00098	.00156	.00191	.00228	.00238	.00120	.00162	.00113	.00181	.00238	.00188	.00083	.00091	.00100	.00061	.00085	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.02126	.01852	.01865	.02578	.02043	.02237	.02416	.02016	.01646	.01665	.01655	.01917	.08236	.01988	.02675	.02230	.02928	.05161	12
.00061	.00012	.00259	.00038	.00250	.00038	.00035	.04021	.00019	.01235	.00014	.00009	.00006	.00006	.00008	.00122	.00018	.00009	13
.00422	.00344	.00283	.00295	.00377	.00456	.00369	.00316	.00315	.00340	.00339	.00724	.00256	.00274	.00539	.00981	.00220	.00215	14
.00001	(*)	(*)	(*)	.00001	.00001	(*)	(*)	(*)	(*)	.00001	.00001	(*)	(*)	(*)	(*)	(*)	(*)	15
.00530	.00311	.00215	.00136	.00339	.01990	.00298	.00431	.00488	.00692	.00228	.02269	.00121	.00094	.00342	.00070	.00173	.00074	16
.00209	.00100	.00097	.00062	.00163	.01122	.00189	.00120	.00454	.00590	.00118	.00278	.00071	.00054	.00218	.00031	.00053	.00039	17
.00041	.00032	.00026	.00028	.00034	.00188	.00041	.00047	.00054	.00106	.00024	.00669	.00067	.00025	.00301	.00030	.00028	.00080	18
.00066	.00027	.00024	.00024	.00030	.02529	.00133	.00188	.00469	.00033	.00021	.00311	.00039	.00041	.00356	.00050	.00262	.00023	19
.00855	.00667	.00557	.00511	.00583	.00864	.00867	.00417	.02351	.00511	.00796	.02376	.00944	.00376	.00487	.00407	.00916	.00594	20+21
.00257	.00210	.01161	.00128	.00043	.01753	.00130	.00103	.00210	.00098	.00019	.00193	.00017	.00016	.00014	.00009	.00010	.00031	22+23
.03308	.02318	.01295	.01039	.03884	.01353	.01301	.00657	.00755	.01529	.05565	.03374	.00604	.00568	.00820	.00596	.00830	.00674	24
.01545	.01814	.00545	.00485	.01578	.00735	.00840	.00273	.00365	.00730	.01388	.02320	.00188	.00234	.00172	.00168	.00293	.00160	25
.01039	.00830	.00503	.00619	.00592	.00715	.00906	.00403	.00447	.00674	.00643	.01463	.00372	.00367	.01488	.00709	.00921	.00708	26A
.01462	.01155	.00800	.00908	.00938	.01166	.01320	.00692	.00728	.00994	.00934	.02978	.01109	.00892	.01902	.01224	.01903	.01351	26B
.04964	.03271	.01613	.02706	.04035	.03859	.03074	.01524	.01909	.01743	.04318	.04783	.01242	.00956	.00890	.00890	.00482	.00443	27A
.00198	.00137	.00074	.00101	.00161	.00162	.00121	.00081	.00097	.00084	.00146	.00213	.00057	.00048	.00064	.00055	.00033	.00035	27B
.04510	.03093	.01088	.01031	.02852	.02647	.01785	.01165	.01447	.01328	.02136	.03990	.00395	.00442	.00392	.00196	.00247	.00217	28
.00049	.00028	.00016	.00022	.00031	.00033	.00024	.00030	.00017	.00279	.00126	.00061	.00011	.00010	.00011	.00012	.00006	.00009	29A
.00284	.00236	.00103	.00092	.00159	.00154	.00109	.00066	.00080	.00120	.00182	.00367	.00097	.00068	.00060	.00077	.00038	.00055	29B
.00924	.00154	.00104	.00104	.00123	.01456	.00695	.00313	.00699	.00110	.00077	.00719	.00132	.00103	.00157	.00052	.00049	.00099	30
.01760	.01417	.00763	.00942	.01326	.01656	.01527	.00969	.01294	.00799	.01088	.01739	.10150	.06397	.03121	.10906	.00979	.00536	31
.10791	.04995	.03195	.02689	.07896	.08718	.04410	.03070	.03537	.03106	.03653	.05535	.01395	.02002	.00957	.00557	.00844	.00708	32
.00012	.00008	.00008	.00008	.00010	.00092	.00015	.00015	.00021	.00024	.00006	.00174	.00009	.00009	.00020	.00010	.00020	.00012	33+34
.00459	.02848	.00397	.01242	.00294	.01401	.00357	.00190	.00825	.00614	.00881	.00249	.00201	.00109	.00104	.00087	.00088	.00082	35
.01209	.01621	.00274	.00429	.00537	.00760	.01021	.00566	.00641	.00403	.00252	.00763	.00454	.00170	.00246	.00195	.00157	.00219	36
.10945	.07918	.02253	.02590	.04540	.08198	.15008	.03111	.10217	.02797	.01106	.03703	.02095	.00618	.01075	.00480	.00388	.00500	37
.08455	.08974	.03989	.05248	.09483	.05704	.13549	.05590	.04453	.03307	.01378	.08523	.00864	.00441	.00694	.00399	.00315	.00478	38
.00101	.00055	.00035	.00044	.00060	.00116	.00075	.00042	.00062	.00061	.00054	.00099	.00037	.00031	.00035	.00048	.00016	.00017	39
.00975	.00308	.00864	.00772	.00750	.01022	.02624	.00430	.02670	.00965	.00210	.00483	.00509	.00159	.00281	.00141	.00176	.00282	40
.03716	.03098	.01532	.01477	.01549	.10031	.05288	.01490	.01691	.01536	.01037	.00663	.00274	.00205	.00202	.00154	.00103	.00330	41
.02588	.02932	.02030	.04252	.02851	.03568	.02776	.02693	.02828	.02465	.00793	.01854	.00945	.00633	.01056	.00381	.00407	.00450	42
.00215	.00154	.00053	.00061	.00130	.01574	.00645	.00262	.04541	.00077	.00054	.00080	.00698	.00146	.00854	.00050	.00157	.00218	43
.00178	.00458	.00070	.00086	.00110	.00278	.00411	.00105	.01248	.00086	.00056	.00094	.00110	.00049	.00102	.00058	.00034	.00035	44+45
.00043	.00038	.00021	.00023	.00032	.00050	.00071	.00024	.00085	.00019	.00018	.00029	.00023	.00017	.00020	.00013	.00010	.00009	46
.01057	.00676	.00280	.00398	.00528	.00738	.00851	.01445	.00567	.00382	.00241	.00461	.00239	.00073	.00572	.00112	.00049	.00058	47
.00297	.00137	.00093	.00226	.00153	.00147	.00140	.00089	.00093	.00112	.00141	.00128	.00042	.00034	.00057	.00028	.00033	.00029	48
.00915	.00446	.00210	.00237	.00695	.01060	.02570	.00600	.02843	.00307	.00131	.00360	.00840	.00152	.01476	.00125	.00442	.00311	49
.00858	.00885	.00592	.00837	.02076	.02517	.04977	.02126	.01689	.00791	.00617	.01117	.00499	.00246	.00651	.00334	.00238	.00129	50
.00407	.00313	.03000	.09216	.03254	.00535	.00515	.00813	.00205	.02432	.01033	.00579	.00254	.00177	.00262	.00435	.00824	.00635	51
.02754	.00089	.00090	.00091	.00097	.02022	.01391	.00058	.00491	.00072	.00049	.00079	.00181	.00109	.00103	.00063	.00068	.00084	52
.05145	.04008	.00645	.00687	.02036	.00605	.00707	.00519	.03429	.01367	.00699	.00521	.01426	.00256	.00329	.00123	.00225	.00323	53
.95433	.00124	.00035	.00019	.00054	.00057	.00060	.00018	.00600	.00029	.00044	.00025	.00047	.00012	.00033	.00013	.00015	.00025	54
.01561	.96479	.01005	.00611	.00508	.00823	.00491	.00147	.00480	.00498	.00148	.00165	.00224	.00113	.00123	.00069	.00076	.00167	55
.01831	.00441	.99632	.01868	.01179	.01334	.00240	.01228	.00161	.02197	.00121	.00118	.00072	.00070	.00051	.00107	.00122	.01992	56
.02702	.02226	.27490	1.12852	.11543	.03900	.03895	.04063	.00731	.11361	.04625	.01850	.00461	.00351	.00391	.00696	.00800	.02635	57
.00247	.00794	.01156	.00271	.92071	.02267	.02233	.00238	.00618	.00913	.01476	.00187	.00283	.00250	.00207	.00134	.00296	.00224	58
.00049	.00044	.00025	.00026	.00035	1.00449	.03658	.00026	.02417	.00024	.00019	.00017	.00097	.00058	.00068	.00008	.00012	.00011	59A
.00306	.00312	.00574	.00644	.02753	.29877	1.03862	.00278	.03497	.00241	.00202	.00268	.01483	.01448	.00266	.00169	.00277	.00203	59B
.00147	.00068	.00219	.00065	.00168	.00237	.00266	1.27362	.00534	.02340	.00049	.00080	.00081	.00044	.00090	.03732	.00048	.00042	60
.00050	.00037	.00021	.00025	.00133	.00083	.00144	.00027	1.00985	.00025	.00026	.00235	.01872	.00029	.02513	.00021	.00021	.00014	61
.03846	.01279	.02460	.01199	.01888	.00910	.00508	.06946	.00544	.96109	.01132	.00226	.00104	.00086	.00086	.00260	.00062	.00131	62
.00141	.00113	.00155	.00137	.00408	.00146	.00127	.00149	.00082	.00860	1.02536	.00139	.00087	.00113	.00132	.00103	.00173	.00122	63
.00225	.00537	.00137	.00116	.00154	.00178	.00158	.00110	.00225	.00175	.00128	1.04501	.00132	.00113	.00438	.00148	.00216	.00201	64
.00966	.00768	.00423	.00558	.00725	.01079	.01080	.00460	.00725	.00428	.00669	.00785	.93497	.00632	.00276	.00328	.00269	.00220	65A
.03807	.03087	.01548	.01756	.03311	.04750	.04297	.01927	.03355	.01617	.02053	.03355	.01870	1.20510	.01323	.01082	.01205	.00745	65B
.00267	.00201	.00101	.00137	.00196	.00254	.00285	.00123	.00184	.00109	.00167	.00225	.00351	.00271	1.08001	.00344	.00203	.00051	65C
.00861	.00730	.00821	.00840	.00852	.01400	.01104	.01330	.00900	.00727	.00651	.00775	.00661	.00736	.00588	1.01843	.00865	.00577	65D
.00373	.00305	.00219	.00242	.00326	.00488	.00418	.00308	.00325	.00211	.00242	.00336	.02259	.05047	.05685	.12019	1.02074	.00140	65E
.01336	.01139	.01211	.01179	.01145	.01292	.01185	.00996	.00982	.01214	.01167	.01331	.01458	.02523	.01107	.02527	.03895	1.15840	66
.00757	.00597	.00352	.00436	.00410	.00504	.00652	.00279	.00316	.00470	.00430	.01057	.00232	.00228	.00998	.00492	.00623	.00519	67
.02585	.02395	.01583	.02251	.02464	.02368	.02936	.01727	.01949	.01619	.01443	.02173	.01760	.01446	.01271	.01166	.01710	.00811	68A
.01444	.01300	.00614	.00815	.01114	.01247	.01403	.00705	.01039	.00621	.00895	.01223	.01702	.01154	.00836	.01593	.00378	.00280	68B
.00189	.00177	.00104	.00133	.00225	.00253	.00301	.00156	.00182	.00110	.00129	.00163	.00163	.00665	.00141	.00137	.00090	.00096	68C
.12499	.11564	.10045	.09909	.12717	.16334	.13530	.07089	.09986	.07466	.08836	.13056	.05677	.05496	.03688	.03582	.02301	.02495	69A
.00399	.00362	.00227	.00237	.00297	.00344	.00297	.00189	.00208	.00206	.00244	.00339	.00765	.00742	.00248	.00221	.00260	.00318	69B
.02398	.02099	.02039	.02111	.02304	.04079	.02617	.02405	.02037	.01886	.01947	.02241	.03267	.03515	.05155	.03248	.03700	.02166	70A
.00549	.00471	.00425	.00453	.00497	.00688	.00586	.00457	.00503	.00406	.00411	.00565	.00892	.01580	.00483	.00513	.00868	.00406	70B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71A
.02799	.03087	.02837	.03034	.02926	.03485	.02892	.02357	.03290	.02687	.02167	.03608	.04071	.05227	.05553	.04897	.04060	.03333	71B
.00706	.00622	.00610	.00616	.00646	.00848	.00739	.00682	.00616	.00563	.00536	.00637	.00472	.00677	.00412	.00568	.00512	.00512	72A
.00363	.00315	.00277	.00388	.00391	.00526	.00535	.00377	.00296	.00251	.00233	.00334	.00308	.00297	.00235	.00484	.00356	.00936	72B
.01074	.01129	.01309	.01347	.01116	.01264	.01296	.01841	.01129	.01161	.00952	.01017	.02190	.01308	.02169	.04015	.08130	.02148	73A
.02039	.01912	.02307	.02923	.01918	.02884	.02322	.02468	.01830	.02377	.01382	.02201	.02324	.02155	.04358	.03268	.06693	.04630	73B
.04235	.03869	.03759	.04362	.04557	.04694	.04623	.04199	.03573	.04444	.04022	.04591	.04252	.04500	.10727	.04064	.05226	.04096	73C
.00821	.00648	.00383	.00474	.00446	.00548	.00708	.00304	.00343	.00511	.00468	.01146	.00253	.00248	.01086	.00534	.00676	.00514	73D
.00954	.00869	.00777	.00782	.00902	.01085	.00959	.00869	.00845	.00750	.00705	.00901	.00711	.00820	.00519	.02293	.00632	.00613	74
.00968	.00870	.00683	.00839	.00974	.06492	.01382	.00824	.00924	.00630	.00650	.00905	.01396	.06199	.00496	.00555	.00927	.00811	75
.00495	.00392	.00287	.00336	.00308	.00411	.00472	.00258	.00249	.00341	.00322	.00649	.00213	.00259	.00613	.00417	.00464	.02011	76
.00008	.00007	.00006	.00007	.00008	.00009	.00008	.00007	.00007	.00007	.00007	.00009	.00007	.00051	.00015	.00008	.00007	.00006	77A
.00443	.00249	.00305	.00334	.00309	.00604	.00427	.00437	.00249	.00359	.00538	.00631	.00396	.00215	.00617	.00314	.00833	.00284	77B
.00624	.00435	.00432	.00394	.00440	.00627	.00611	.00427	.00372	.00405	.00346	.00694	.00448	.00546	.00469	.00457	.00717	.00621	78
.00936	.00899	.00524	.00676	.00928	.01003	.01069	.00612	.00874	.00622	.00557	.00952	.10729	.01350	.06292	.02772	.00486	.00357	79
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
2.31873	**2.04670**	**2.00135**	**2.00356**	**2.13526**	**2.78244**	**2.43026**	**2.13896**	**2.07564**	**1.83668**	**1.77404**	**2.14364**	**1.91496**	**1.95438**	**1.94399**	**1.91215**	**1.67145**	**1.67824**	

Table 5.—Industry-by-Commodity

[Total requirements, direct and indirect, per dollar

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Radio and TV broad-casting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places
	Commodity number	67	68A	68B	68C	69A	69B	70A	70B	71A	71B	72A
1	Livestock and livestock products	0.00384	0.00044	0.00057	0.00074	0.00086	0.00068	0.00050	0.00076	0.00050	0.00066	0.00148
2	Other agricultural products	.00475	.00103	.00141	.00209	.00122	.00100	.00066	.00091	.00169	.00169	.00247
3	Forestry and fishery products	.00039	.00071	.00093	.00151	.00063	.00038	.00024	.00030	.00036	.00053	.00058
4	Agricultural, forestry, and fishery services	.00229	.00101	.00173	.00318	.00115	.00184	.00088	.00113	.00821	.00596	.00560
5+6	Metallic ores mining	.00031	.00070	.00099	.00149	.00039	.00030	.00019	.00025	.00016	.00028	.00036
7	Coal mining	.00202	.10260	.00257	.00483	.00155	.00301	.00109	.00087	.00025	.00183	.00465
8	Crude petroleum and natural gas	.00707	.04353	.63537	.05643	.01047	.00991	.00551	.00495	.00200	.00674	.01381
9+10	Nonmetallic minerals mining	.00060	.00156	.00220	.00357	.00051	.00055	.00031	.00036	.00077	.00109	.00107
11	New construction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction	.02399	.08975	.12522	.15139	.01254	.02202	.01121	.01347	.05094	.06652	.04241
13	Ordnance and accessories	.00009	.00005	.00005	.00025	.00004	.00004	.00004	.00005	.00001	.00003	.00006
14	Food and kindred products	.00612	.00171	.00216	.00264	.00357	.00251	.00198	.00313	.00042	.00159	.00530
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00109	.00091	.00055	.00116	.00134	.00070	.00059	.00050	.00019	.00039	.00497
17	Miscellaneous textile goods and floor coverings	.00034	.00052	.00057	.00096	.00046	.00043	.00024	.00026	.00023	.00035	.00117
18	Apparel	.00067	.00016	.00016	.00048	.00149	.00021	.00014	.00015	.00003	.00011	.00163
19	Miscellaneous fabricated textile products	.00038	.00020	.00025	.00038	.00064	.00022	.00063	.00033	.00009	.00019	.00805
20+21	Lumber and wood products	.00394	.00936	.01242	.01999	.00763	.00421	.00257	.00285	.00489	.00689	.00590
22+23	Furniture and fixtures	.00010	.00008	.00010	.00022	.00009	.00012	.00007	.00007	.00003	.00008	.00012
24	Paper and allied products, except containers	.00892	.00339	.00390	.00616	.01404	.01625	.00998	.00924	.00108	.00429	.01102
25	Paperboard containers and boxes	.00172	.00109	.00117	.00225	.00675	.00275	.00132	.00137	.00034	.00085	.00367
26A	Newspapers and periodicals	.01467	.00162	.00207	.00319	.00919	.01514	.00786	.00694	.00056	.00359	.00788
26B	Other printing and publishing	.01887	.00394	.00442	.00683	.02168	.01886	.02045	.01977	.00126	.00664	.01376
27A	Industrial and other chemicals	.00522	.00814	.01318	.02902	.00592	.00483	.00323	.00374	.00158	.00352	.00693
27B	Agricultural fertilizers and chemicals	.00127	.00042	.00073	.00205	.00101	.00047	.00026	.00032	.00160	.00102	.00281
28	Plastics and synthetic materials	.00176	.00216	.00236	.00554	.00257	.00215	.00124	.00166	.00064	.00130	.00340
29A	Drugs	.00015	.00010	.00012	.00029	.00017	.00007	.00005	.00006	.00004	.00006	.00015
29B	Cleaning and toilet preparations	.00055	.00057	.00059	.00098	.00124	.00070	.00037	.00041	.00015	.00041	.00183
30	Paints and allied products	.00055	.00107	.00146	.00222	.00039	.00046	.00024	.00060	.00054	.00081	.00065
31	Petroleum refining and related products	.00672	.02591	.01665	.04852	.01027	.00949	.00485	.00491	.00205	.00558	.00975
32	Rubber and miscellaneous plastics products	.00453	.00642	.00558	.01576	.00854	.00692	.00321	.00551	.00184	.00389	.00892
33+34	Footwear, leather, and leather products	.00043	.00006	.00008	.00009	.00011	.00037	.00014	.00013	.00002	.00008	.00045
35	Glass and glass products	.00061	.00063	.00066	.00192	.00092	.00045	.00044	.00060	.00018	.00042	.00521
36	Stone and clay products	.00126	.00403	.00635	.00990	.00111	.00124	.00070	.00083	.00178	.00331	.00274
37	Primary iron and steel manufacturing	.00267	.00762	.01543	.01311	.00323	.00287	.00167	.00228	.00180	.00294	.00330
38	Primary nonferrous metals manufacturing	.00286	.00542	.00502	.01061	.00372	.00238	.00161	.00216	.00144	.00241	.00274
39	Metal containers	.00026	.00021	.00026	.00047	.00110	.00016	.00012	.00016	.00006	.00013	.00028
40	Heating, plumbing, and fabricated structural metal products	.00140	.00476	.00610	.00797	.00115	.00132	.00071	.00088	.00258	.00321	.00217
41	Screw machine products and stampings	.00094	.00187	.00110	.00327	.00088	.00081	.00054	.00086	.00027	.00061	.00093
42	Other fabricated metal products	.00239	.00390	.00654	.00873	.00272	.00272	.00192	.00279	.00130	.00239	.00286
43	Engines and turbines	.00035	.00597	.00062	.00110	.00035	.00049	.00023	.00033	.00009	.00026	.00052
44+45	Farm, construction, and mining machinery	.00032	.00396	.00244	.00205	.00042	.00031	.00018	.00020	.00055	.00039	.00049
46	Materials handling machinery and equipment	.00008	.00076	.00043	.00024	.00083	.00009	.00006	.00007	.00004	.00008	.00013
47	Metalworking machinery and equipment	.00045	.00110	.00101	.00131	.00075	.00044	.00029	.00035	.00016	.00033	.00053
48	Special industry machinery and equipment	.00029	.00023	.00027	.00050	.00048	.00037	.00025	.00029	.00006	.00017	.00038
49	General industrial machinery and equipment	.00058	.00267	.00199	.00250	.00071	.00064	.00045	.00053	.00033	.00061	.00081
50	Miscellaneous machinery, except electrical	.00120	.00299	.00280	.00863	.00219	.00146	.00072	.00086	.00026	.00086	.00129
51	Computer and office equipment	.00479	.00182	.00358	.00214	.00317	.00170	.00491	.00392	.00028	.00085	.00213
52	Service industry machinery	.00090	.00122	.00190	.00502	.00070	.00077	.00030	.00046	.00063	.00104	.00090
53	Electrical industrial equipment and apparatus	.00197	.00303	.00198	.00279	.00097	.00083	.00074	.00085	.00045	.00084	.00132
54	Household appliances	.00015	.00029	.00039	.00058	.00010	.00013	.00007	.00008	.00015	.00032	.00035
55	Electric lighting and wiring equipment	.00100	.00291	.00232	.00352	.00077	.00100	.00042	.00059	.00087	.00130	.00124
56	Audio, video, and communication equipment	.00252	.00050	.00066	.00164	.00090	.00053	.00061	.00083	.00021	.00048	.00072
57	Electronic components and accessories	.01287	.00262	.00275	.00579	.00945	.00294	.00500	.00426	.00049	.00153	.00333
58	Miscellaneous electrical machinery and supplies	.00316	.00137	.00122	.00315	.00119	.00114	.00145	.00218	.00024	.00062	.00099
59A	Motor vehicles (passenger cars and trucks)	.00010	.00012	.00009	.00112	.00015	.00021	.00007	.00015	.00002	.00008	.00012
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00238	.00210	.00203	.03063	.00375	.00551	.00180	.00354	.00042	.00175	.00291
60	Aircraft and parts	.00028	.00060	.00037	.00078	.00031	.00025	.00027	.00038	.00005	.00019	.00032
61	Other transportation equipment	.00030	.00082	.00025	.00041	.00015	.00015	.00013	.00017	.00005	.00012	.00022
62	Scientific and controlling instruments	.00079	.00126	.00101	.01507	.00058	.00056	.00042	.00075	.00023	.00056	.00097
63	Ophthalmic and photographic equipment	.00252	.00049	.00077	.00115	.00187	.00111	.00258	.00294	.00018	.00072	.00142
64	Miscellaneous manufacturing	.00298	.00101	.00118	.00171	.00208	.00250	.00279	.00221	.00035	.00112	.00284
65A	Railroads and related services; passenger ground transportation	.00255	.02944	.00356	.00549	.00247	.00269	.00219	.00288	.00054	.00198	.00375
65B	Motor freight transportation and warehousing	.00901	.01278	.01105	.30245	.01039	.00943	.01954	.01213	.00286	.00779	.01776
65C	Water transportation	.00059	.00613	.00365	.00336	.00075	.00069	.00048	.00043	.00021	.00053	.00109
65D	Air transportation	.00594	.00431	.00731	.00634	.00679	.00487	.00639	.00875	.00074	.00385	.00662
65E	Pipelines, freight forwarders, and related services	.00155	.00321	.00844	.01324	.00228	.00155	.00191	.00201	.00031	.00116	.01581
66	Communications, except radio and TV	.02913	.00642	.00850	.02470	.02287	.01673	.02248	.03557	.00197	.01188	.02276
67	Radio and TV broadcasting	1.03157	.00103	.00139	.00207	.00616	.01109	.00486	.00462	.00037	.00253	.00499
68A	Electric services (utilities)	.01613	.87766	.01813	.03821	.01161	.02429	.00843	.00645	.00154	.01443	.03770
68B	Gas production and distribution (utilities)	.00392	.04068	1.20954	.04054	.00564	.00569	.00373	.00256	.00083	.00501	.01233
68C	Water and sanitary services	.00163	.00174	.00130	.38823	.00115	.00187	.00171	.00095	.00024	.00297	.00611
69A	Wholesale trade	.02281	.02554	.03039	.05274	1.03790	.01538	.01495	.01511	.00558	.01121	.02254
69B	Retail trade	.00235	.00493	.00731	.01262	.00375	.99817	.00137	.00196	.00285	.00388	.00461
70A	Finance	.02351	.02648	.02580	.02859	.02090	.02713	1.16750	.08827	.02437	.01756	.06988
70B	Insurance	.01066	.00499	.00553	.01409	.00370	.00587	.00624	1.38420	.00995	.00564	.00497
71A	Owner-occupied dwellings	.....	.....	.....	.....	.....	.....	.....	.....	1.00000	.....	.....
71B	Real estate and royalties	.07037	.03106	.12728	.04596	.04371	.08757	.05257	.07687	.04198	1.06025	.09357
72A	Hotels and lodging places	.00565	.00387	.00531	.00489	.00506	.00468	.00492	.00855	.00063	.00503	1.00594
72B	Personal and repair services (except auto)	.00617	.00149	.00192	.00446	.00349	.00457	.00237	.00268	.00043	.00465	.00873
73A	Computer and data processing services	.02335	.01571	.01001	.01150	.01924	.01161	.04283	.02224	.00184	.00475	.01544
73B	Legal, engineering, accounting, and related services	.03801	.02515	.05955	.05491	.02182	.02084	.04230	.06132	.01073	.02792	.02474
73C	Other business and professional services, except medical	.06516	.02668	.03157	.04435	.06003	.05519	.06163	.07590	.01057	.04021	.09426
73D	Advertising	.01138	.00113	.00152	.00226	.00670	.01203	.00529	.00503	.00041	.00276	.00545
74	Eating and drinking places	.00706	.00481	.00613	.00645	.00601	.00624	.00587	.01019	.00070	.00451	.00836
75	Automotive repair and services	.00952	.00441	.00656	.02349	.00995	.00805	.00549	.02054	.00136	.00809	.00957
76	Amusements	.46014	.00128	.00183	.00222	.00505	.00693	.00373	.00427	.00039	.00209	.00397
77A	Health services	.00026	.00004	.00005	.00018	.00009	.00007	.00009	.00010	.00002	.00006	.00014
77B	Educational and social services, and membership organizations	.00761	.00389	.00217	.00220	.00316	.00223	.00359	.00340	.00029	.00160	.00344
78	Federal Government enterprises	.00671	.03802	.00488	.00672	.00840	.01312	.02630	.01395	.00117	.00595	.01024
79	State and local government enterprises	.00750	.10441	.04841	.41848	.00482	.01080	.00504	.00455	.00135	.02340	.01536
82	General government industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Household industry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Inventory valuation adjustment	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total industry output multiplier	**2.05599**	**1.68276**	**2.56016**	**2.08278**	**1.50700**	**1.53105**	**1.63531**	**1.99695**	**1.22217**	**1.43827**	**1.74514**

*Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Personal and repair services (exc. auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Non-comparable imports	Scrap, used and second-hand goods	General government industry	Rest-of-the-world adjustment to final uses	Household industry	Inventory valuation adjustment	Industry number
72B	73A	73B	73C	73D	74	75	76	77A	77B	78	79	80	81	82	83	84	85	
0.00091	0.00056	0.00048	0.00084	0.00143	0.05882	0.00067	0.00895	0.00300	0.00415	0.00074	0.00083	.....	.....	.....	.....	.....	.....	1
.00145	.00076	.00066	.00088	.00204	.04675	.00109	.01100	.00315	.00412	.00082	.00302	.....	.....	.....	.....	.....	.....	2
.00045	.00028	.00023	.00029	.00091	.00741	.00051	.00053	.00054	.00083	.00024	.00194	.....	.....	.....	.....	.....	.....	3
.00137	.00114	.00110	.00087	.00143	.00857	.00130	.00445	.00237	.00322	.00039	.00625	.....	.....	.....	.....	.....	.....	4
.00068	.00050	.00019	.00041	.00053	.00065	.00235	.00036	.00053	.00045	.00042	.00136	.....	.....	.....	.....	.....	.....	5+6
.00248	.00113	.00087	.00105	.00214	.00390	.00262	.00254	.00162	.00197	.00110	.00657	.....	.....	.....	.....	.....	.....	7
.01252	.00493	.00422	.00811	.01036	.01540	.01861	.00920	.00899	.01123	.00908	.04524	.....	.....	.....	.....	.....	.....	8
.00075	.00040	.00030	.00050	.00114	.00131	.00097	.00074	.00099	.00115	.00032	.00591	.....	.....	.....	.....	.....	.....	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
.01845	.01208	.00969	.00984	.01763	.02403	.01839	.02327	.01567	.05566	.01067	.27640	.....	.....	.....	.....	.....	.....	12
.00007	.00007	.00005	.00031	.00006	.00004	.00010	.00015	.00026	.00006	.00006	.00008	.....	.....	.....	.....	.....	.....	13
.00321	.00223	.00184	.00292	.00391	.27560	.00265	.01193	.01325	.01723	.00331	.00229	.....	.....	.....	.....	.....	.....	14
(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....	.....	.....	.....	.....	.....	15
.00623	.00048	.00035	.00060	.00140	.00149	.00184	.00221	.00191	.00132	.00157	.00121	.....	.....	.....	.....	.....	.....	16
.00116	.00026	.00020	.00030	.00107	.00097	.00107	.00050	.00068	.00066	.00043	.00119	.....	.....	.....	.....	.....	.....	17
.00579	.00016	.00012	.00047	.00036	.00033	.00064	.00150	.00161	.00065	.00021	.00079	.....	.....	.....	.....	.....	.....	18
.00311	.00016	.00015	.00019	.00038	.00087	.00110	.00071	.00136	.00059	.00209	.00040	.....	.....	.....	.....	.....	.....	19
.00440	.00272	.00239	.00266	.01117	.00547	.00408	.00477	.00334	.00893	.00202	.02674	.....	.....	.....	.....	.....	.....	20+21
.00015	.00017	.00008	.00009	.00011	.00020	.00129	.00011	.00011	.00013	.00104	.00020	.....	.....	.....	.....	.....	.....	22+23
.01287	.00925	.00825	.01035	.08711	.01944	.00931	.01057	.01108	.02166	.00626	.00627	.....	.....	.....	.....	.....	.....	24
.00311	.00180	.00132	.00283	.00464	.01121	.00333	.00243	.00334	.00339	.00290	.00193	.....	.....	.....	.....	.....	.....	25
.00996	.00537	.00325	.00438	.27007	.01016	.00832	.01461	.00407	.01449	.00161	.00300	.....	.....	.....	.....	.....	.....	26A
.02401	.01763	.01374	.01365	.28886	.01651	.01269	.01981	.01171	.05695	.01677	.00641	.....	.....	.....	.....	.....	.....	26B
.01148	.00489	.00315	.00829	.01965	.01182	.01274	.00649	.02289	.00831	.00330	.02953	.....	.....	.....	.....	.....	.....	27A
.00061	.00035	.00028	.00041	.00097	.00490	.00064	.00280	.00114	.00112	.00022	.00361	.....	.....	.....	.....	.....	.....	27B
.00504	.00223	.00123	.00221	.00592	.00491	.00712	.00236	.00523	.00319	.00142	.00497	.....	.....	.....	.....	.....	.....	28
.00042	.00006	.00005	.00014	.00020	.00139	.00014	.00028	.01569	.00050	.00006	.00027	.....	.....	.....	.....	.....	.....	29A
.01304	.00041	.00047	.00172	.00103	.00132	.00146	.00081	.00193	.00132	.00095	.00104	.....	.....	.....	.....	.....	.....	29B
.00071	.00034	.00024	.00048	.00074	.00070	.00324	.00078	.00046	.00104	.00032	.00313	.....	.....	.....	.....	.....	.....	30
.00993	.00466	.00397	.00829	.00896	.01264	.01911	.00836	.00736	.01034	.00970	.03417	.....	.....	.....	.....	.....	.....	31
.01167	.00730	.00370	.00668	.01322	.01858	.02706	.00572	.01671	.00924	.00328	.01112	.....	.....	.....	.....	.....	.....	32
.00516	.00011	.00027	.00026	.00021	.00015	.00019	.00096	.00021	.00093	.00053	.00009	.....	.....	.....	.....	.....	.....	33+34
.00094	.00114	.00095	.00150	.00069	.00510	.00621	.00064	.00261	.00217	.00039	.00200	.....	.....	.....	.....	.....	.....	35
.00154	.00100	.00075	.00117	.00143	.00315	.00292	.00132	.00150	.00246	.00076	.01844	.....	.....	.....	.....	.....	.....	36
.00560	.00388	.00170	.00379	.00356	.00527	.02353	.00303	.00304	.00416	.00396	.01289	.....	.....	.....	.....	.....	.....	37
.00674	.00612	.00164	.00318	.00315	.00597	.01868	.00320	.00273	.00371	.00332	.01027	.....	.....	.....	.....	.....	.....	38
.00039	.00017	.00011	.00032	.00036	.00711	.00039	.00044	.00059	.00060	.00016	.00048	.....	.....	.....	.....	.....	.....	39
.00152	.00173	.00066	.00092	.00160	.00156	.00396	.00139	.00116	.00281	.00100	.01277	.....	.....	.....	.....	.....	.....	40
.00254	.00213	.00058	.00131	.00096	.00150	.01543	.00102	.00154	.00129	.00151	.00215	.....	.....	.....	.....	.....	.....	41
.00548	.00451	.00186	.00279	.00320	.00369	.01530	.00269	.00282	.00382	.00165	.00821	.....	.....	.....	.....	.....	.....	42
.00043	.00032	.00023	.00080	.00041	.00050	.00490	.00036	.00029	.00036	.00035	.00096	.....	.....	.....	.....	.....	.....	43
.00036	.00023	.00018	.00077	.00035	.00092	.00090	.00045	.00030	.00044	.00023	.00379	.....	.....	.....	.....	.....	.....	44+45
.00011	.00009	.00008	.00051	.00011	.00016	.00019	.00009	.00009	.00011	.00015	.00029	.....	.....	.....	.....	.....	.....	46
.00083	.00064	.00040	.00208	.00071	.00064	.00194	.00048	.00049	.00060	.00045	.00144	.....	.....	.....	.....	.....	.....	47
.00093	.00040	.00030	.00149	.00171	.00106	.00074	.00031	.00044	.00056	.00021	.00052	.....	.....	.....	.....	.....	.....	48
.00129	.00061	.00044	.00203	.00077	.00158	.00376	.00064	.00058	.00079	.00087	.00252	.....	.....	.....	.....	.....	.....	49
.00254	.00151	.00099	.00242	.00200	.00168	.00862	.00134	.00127	.00157	.00300	.01459	.....	.....	.....	.....	.....	.....	50
.00861	.09210	.00569	.00467	.00343	.00138	.00280	.00191	.00398	.00328	.00074	.00176	.....	.....	.....	.....	.....	.....	51
.00454	.00036	.00030	.00077	.00060	.00078	.00776	.00155	.00059	.00108	.00077	.00927	.....	.....	.....	.....	.....	.....	52
.00237	.00362	.00083	.00360	.00171	.00106	.00480	.00099	.00116	.00125	.00063	.00315	.....	.....	.....	.....	.....	.....	53
.00754	.00010	.00007	.00013	.00012	.00016	.00030	.00014	.00013	.00028	.00006	.00100	.....	.....	.....	.....	.....	.....	54
.00105	.00089	.00040	.00078	.00081	.00106	.00404	.00145	.00096	.00163	.00090	.00514	.....	.....	.....	.....	.....	.....	55
.00110	.00232	.00057	.00083	.00111	.00047	.00091	.00112	.00084	.00095	.00024	.00187	.....	.....	.....	.....	.....	.....	56
.01732	.07340	.00502	.01217	.00613	.00259	.00920	.00332	.00561	.00503	.00168	.00339	.....	.....	.....	.....	.....	.....	57
.00141	.00344	.00206	.00168	.00156	.00114	.00684	.00632	.00116	.00156	.00091	.00268	.....	.....	.....	.....	.....	.....	58
.00013	.00009	.00008	.00015	.00012	.00016	.00437	.00013	.00010	.00014	.00060	.00016	.....	.....	.....	.....	.....	.....	59A
.00289	.00207	.00185	.00316	.00280	.00370	.10208	.00302	.00228	.00326	.01655	.00345	.....	.....	.....	.....	.....	.....	59B
.00033	.00035	.00025	.00040	.00031	.00033	.00088	.00027	.00066	.00032	.00126	.00038	.....	.....	.....	.....	.....	.....	60
.00019	.00013	.00016	.00102	.00025	.00027	.00033	.00055	.00016	.00022	.00040	.00053	.....	.....	.....	.....	.....	.....	61
.00195	.00178	.00046	.00104	.00130	.00064	.00183	.00071	.01719	.00169	.00045	.00174	.....	.....	.....	.....	.....	.....	62
.01206	.00225	.00335	.00388	.00524	.00087	.00131	.00140	.00326	.00322	.00058	.00096	.....	.....	.....	.....	.....	.....	63
.01704	.00137	.00201	.00265	.02012	.00278	.00197	.00465	.00154	.00566	.00104	.00234	.....	.....	.....	.....	.....	.....	64
.00299	.00218	.00183	.00281	.00523	.00682	.00475	.00276	.00316	.00323	.00940	.00493	.....	.....	.....	.....	.....	.....	65A
.01510	.00704	.00765	.01043	.01961	.02609	.02003	.00977	.01085	.01345	.02734	.02396	.....	.....	.....	.....	.....	.....	65B
.00102	.00049	.00047	.00078	.00098	.00202	.00140	.00089	.00079	.00086	.00290	.00432	.....	.....	.....	.....	.....	.....	65C
.00589	.00731	.00567	.00729	.00635	.00684	.00786	.00534	.00551	.00630	.03237	.00482	.....	.....	.....	.....	.....	.....	65D
.00200	.00157	.00139	.00190	.00220	.00281	.00427	.00159	.00166	.00199	.00547	.00332	.....	.....	.....	.....	.....	.....	65E
.02130	.03062	.01950	.01964	.03681	.01224	.01800	.01673	.01550	.01792	.00643	.01594	.....	.....	.....	.....	.....	.....	66
.00677	.00338	.00170	.00264	.20324	.00730	.00575	.01034	.00225	.00662	.00073	.00200	.....	.....	.....	.....	.....	.....	67
.01870	.00831	.00655	.00743	.01375	.02923	.01654	.02030	.01176	.01447	.00818	.05151	.....	.....	.....	.....	.....	.....	68A
.00971	.00274	.00247	.00372	.00622	.01107	.00889	.00555	.00549	.00686	.00405	.03839	.....	.....	.....	.....	.....	.....	68B
.00279	.00068	.00069	.00080	.00119	.00329	.00206	.00186	.00178	.00201	.00278	.01933	.....	.....	.....	.....	.....	.....	68C
.03744	.04878	.01406	.02279	.03991	.08506	.06473	.03120	.03036	.03170	.01550	.03766	.....	.....	.....	.....	.....	.....	69A
.00247	.00137	.00121	.00297	.00235	.00386	.00817	.00275	.00208	.00467	.00115	.01354	.....	.....	.....	.....	.....	.....	69B
.02110	.01911	.01967	.01770	.01917	.02382	.22149	.02087	.01600	.02382	.01292	.02918	.....	.....	.....	.....	.....	.....	70A
.00537	.00280	.00300	.00390	.00564	.00531	.00853	.00433	.00577	.00560	.00322	.00723	.....	.....	.....	.....	.....	.....	70B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71A
.07788	.04982	.07116	.04307	.05268	.07696	.06990	.09306	.07832	.13562	.02232	.05570	.....	.....	.....	.....	.....	.....	71B
.00495	.00501	.00733	.00631	.00532	.00580	.00608	.00486	.00493	.00553	.00143	.00314	.....	.....	.....	.....	.....	.....	72A
1.04749	.00300	.00205	.00361	.00366	.00526	.01222	.00458	.00376	.00401	.00099	.00338	.....	.....	.....	.....	.....	.....	72B
.01243	1.07042	.03113	.02178	.01447	.00938	.01516	.01083	.01663	.02562	.00481	.01141	.....	.....	.....	.....	.....	.....	73A
.04851	.03167	1.08605	.04214	.03212	.02224	.02419	.03857	.02845	.02879	.00648	.07301	.....	.....	.....	.....	.....	.....	73B
.05637	.05550	.10692	1.05246	.14817	.04707	.05174	.06276	.06140	.07345	.02284	.05155	.....	.....	.....	.....	.....	.....	73C
.00735	.00368	.00190	.00353	.21999	.00793	.00625	.01122	.00247	.00721	.00080	.00219	.....	.....	.....	.....	.....	.....	73D
.00639	.00647	.00543	.00831	.00662	1.01412	.00735	.00652	.01024	.01013	.00316	.00490	.....	.....	.....	.....	.....	.....	74
.00900	.00797	.00667	.00870	.01006	.00931	.85550	.00989	.00832	.00925	.00614	.01207	.....	.....	.....	.....	.....	.....	75
.00462	.00306	.00240	.00376	.09900	.01477	.00424	1.17992	.00229	.00872	.00067	.00183	.....	.....	.....	.....	.....	.....	76
.00008	.00007	.00013	.00124	.00013	.00099	.00008	.00053	1.02179	.00016	.00005	.00008	.....	.....	.....	.....	.....	.....	77A
.00520	.00809	.00429	.00432	.00913	.00323	.00270	.00319	.00382	1.00682	.00092	.00214	.....	.....	.....	.....	.....	.....	77B
.00923	.00901	.01253	.00848	.00799	.01225	.01260	.00915	.01236	.01314	1.00160	.00897	.....	.....	.....	.....	.....	.....	78
.00839	.00351	.00364	.00360	.00617	.01081	.01401	.01097	.00590	.00770	.00694	1.01522	.....	.....	.....	.....	.....	.....	79
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.00000	.....	.....	.....	82
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.00000	.....	84
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.00000	85
1.73151	**1.68485**	**1.52430**	**1.46813**	**1.80247**	**2.08868**	**1.89597**	**1.78416**	**1.59392**	**1.77551**	**1.33821**	**2.11687**	.....	.....	**1.00000**	.....	**1.00000**	**1.00000**	

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* *These are target dates and are subject to revision.*

† *Joint release by Bureau of the Census and BEA.*

For further information, call (202) 606–9900, or write to Public Information Office (BE–53), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

BEA CURRENT AND HISTORICAL DATA

National, International, and Regional Estimates

This section presents an extensive selection of economic statistics prepared by the Bureau of Economic Analysis (BEA) and a much briefer selection of collateral statistics prepared by other Government agencies and private organizations. Series originating in Government agencies are not copyrighted and may be reprinted freely. Series from private sources are provided through the courtesy of the compilers and are subject to their copyrights.

BEA makes its economic information available on three World Wide Web sites. The BEA Web site <http://www.bea.doc.gov> contains data, articles, and news releases from BEA's national, international, and regional programs. The Federal Statistical Briefing Room (FSBR) on the White House Web site <http://www.whitehouse.gov/fsbr> provides summary statistics for GDP and a handful of other NIPA aggregates. The Commerce Department's STAT-USA Web site <http://www.stat-usa.gov> provides detailed databases and news releases from BEA and from other Federal Government agencies by subscription; information about STAT-USA's Economic Bulletin Board (EBB) and Internet services may be obtained at the Web site or by calling 202–482–1986.

The tables listed below present annual, quarterly, and monthly estimates, indicated as follows: [A] Annual estimates only; [Q] quarterly estimates only; [QA] quarterly and annual estimates; [MA] monthly and annual estimates.

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National Data

A. Selected NIPA Tables

The tables in this section include the most recent estimates of gross domestic product and its components; these estimates were released on November 26, 1997 and include the "preliminary" estimates for the third quarter of 1997.

The selected set of NIPA tables shown in this section presents quarterly estimates, which are updated monthly. In most tables, the annual estimates are also shown. Most of the "annual only" NIPA tables were presented in the August 1997 SURVEY OF CURRENT BUSINESS; tables 8.20–8.26 were presented in the September 1997 SURVEY, and the remaining "annual only" tables—tables 3.15–3.20 and 9.1–9.6—were presented in the October 1997 SURVEY.

The selected NIPA tables are available on printouts or diskettes from BEA. To order NIPA subscription products using Visa or MasterCard, call the BEA Order Desk at 1–800–704–0415 (outside the United States, 202–606–9666).

The news release on gross domestic product (GDP) is available at the time of release, and the selected NIPA tables are available later that day, on STAT-USA's Economic Bulletin Board and Internet services; for information, call STAT-USA on 202–482–1986. In addition, the GDP news release is available the afternoon of the day of the release, and the selected NIPA tables are available about two weeks later (when the SURVEY is sent to the printer), on BEA's Internet site <http://www.bea.doc.gov>.

1. National Product and Income

Table 1.1.—Gross Domestic Product

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product	**7,265.4**	**7,636.0**	**7,607.7**	**7,676.0**	**7,792.9**	**7,933.6**	**8,034.3**	**8,128.8**
Personal consumption expenditures	**4,957.7**	**5,207.6**	**5,189.1**	**5,227.4**	**5,308.1**	**5,405.7**	**5,432.1**	**5,530.7**
Durable goods	608.5	634.5	638.6	634.5	638.2	658.4	644.5	667.1
Nondurable goods	1,475.8	1,534.7	1,532.3	1,538.3	1,560.1	1,587.4	1,578.9	1,601.2
Services	2,873.4	3,038.4	3,018.2	3,054.6	3,109.8	3,159.9	3,208.7	3,262.3
Gross private domestic investment	**1,038.2**	**1,116.5**	**1,105.4**	**1,149.2**	**1,151.1**	**1,193.6**	**1,242.0**	**1,249.8**
Fixed investment	1,008.1	1,090.7	1,082.0	1,112.0	1,119.2	1,127.5	1,160.8	1,198.9
Nonresidential	723.0	781.4	769.3	798.6	807.2	811.3	836.3	869.6
Structures	200.6	215.2	210.6	217.7	227.0	227.4	226.8	230.6
Producers' durable equipment	522.4	566.2	558.7	580.9	580.2	583.9	609.5	639.0
Residential	285.1	309.2	312.7	313.5	312.0	316.2	324.6	329.3
Change in business inventories	30.1	25.9	23.4	37.1	31.9	66.1	81.1	50.9
Net exports of goods and services	**–86.0**	**–94.8**	**–93.8**	**–114.0**	**–88.6**	**–98.8**	**–88.7**	**–110.2**
Exports	818.4	870.9	865.0	863.7	904.6	922.2	960.3	965.9
Goods	583.9	617.5	613.9	609.7	640.5	656.2	690.0	691.6
Services	234.6	253.3	251.1	254.0	264.2	266.0	270.3	274.3
Imports	904.5	965.7	958.7	977.6	993.2	1,021.0	1,049.0	1,076.1
Goods	757.5	809.0	802.9	820.2	834.6	855.8	880.1	904.5
Services	146.9	156.7	155.8	157.5	158.6	165.2	168.9	171.6
Government consumption expenditures and gross investment	**1,355.5**	**1,406.7**	**1,407.0**	**1,413.5**	**1,422.3**	**1,433.1**	**1,449.0**	**1,458.6**
Federal	509.6	520.0	524.6	521.6	517.6	516.1	526.1	525.8
National defense	344.6	352.8	357.3	354.8	350.6	343.3	350.6	352.2
Nondefense	165.0	167.3	167.3	166.8	167.0	172.8	175.5	173.6
State and local	846.0	886.7	882.4	891.9	904.7	917.0	923.0	932.7

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.2.—Real Gross Domestic Product

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product	**6,742.1**	**6,928.4**	**6,926.0**	**6,943.8**	**7,017.4**	**7,101.6**	**7,159.6**	**7,217.6**
Personal consumption expenditures	**4,595.3**	**4,714.1**	**4,712.2**	**4,718.2**	**4,756.4**	**4,818.1**	**4,829.4**	**4,897.9**
Durable goods	583.6	611.1	614.8	611.9	617.1	637.8	629.0	655.9
Nondurable goods	1,412.6	1,432.3	1,431.6	1,433.9	1,441.2	1,457.8	1,450.0	1,465.9
Services	2,599.6	2,671.0	2,666.5	2,672.8	2,698.2	2,723.9	2,749.8	2,777.5
Gross private domestic investment	**991.5**	**1,069.1**	**1,059.2**	**1,100.3**	**1,104.8**	**1,149.2**	**1,197.1**	**1,205.5**
Fixed investment	962.1	1,041.7	1,035.7	1,060.9	1,068.7	1,079.0	1,111.4	1,148.2
Nonresidential	706.5	771.7	759.7	789.3	800.8	808.9	837.0	872.5
Structures	179.9	188.7	185.6	190.0	196.9	195.9	193.5	195.1
Producers' durable equipment	528.3	586.0	577.1	602.9	606.7	616.6	649.3	685.3
Residential	257.0	272.1	277.2	274.1	271.1	273.3	278.2	280.8
Change in business inventories	27.3	25.0	21.3	37.9	32.9	63.7	77.6	49.5
Net exports of goods and services	**–98.8**	**–114.4**	**–112.6**	**–138.9**	**–105.6**	**–126.3**	**–136.6**	**–162.9**
Exports	791.2	857.0	847.4	851.4	901.1	922.7	962.5	972.7
Goods	573.9	628.4	619.2	623.0	666.2	686.2	725.8	732.5
Services	218.0	229.9	229.3	229.4	236.8	238.9	240.8	244.2
Imports	890.1	971.5	960.0	990.2	1,006.6	1,048.9	1,099.1	1,135.7
Goods	749.2	823.1	811.7	841.7	857.5	891.3	938.4	971.5
Services	141.2	149.0	148.8	149.3	150.0	158.4	161.8	165.6
Government consumption expenditures and gross investment	**1,251.9**	**1,257.9**	**1,265.1**	**1,261.5**	**1,261.8**	**1,260.5**	**1,270.1**	**1,273.6**
Federal	470.3	464.2	470.7	465.7	459.6	452.8	460.1	458.9
National defense	322.6	317.8	323.2	319.4	313.6	303.9	309.4	310.4
Nondefense	147.5	146.1	147.2	146.0	145.7	148.5	150.2	148.2
State and local	781.6	793.7	794.4	795.9	802.3	807.7	810.1	814.7
Residual	.6	–1.6	–.9	–2.4	–3.8	–2.9	–3.9	–5.3

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines.

Percent changes from preceding period for selected items in this table are shown in table 8.1; contributions to the percent change in real gross domestic product are shown in table 8.2.

Table 1.3.—Gross Domestic Product by Major Type of Product

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product	**7,265.4**	**7,636.0**	**7,607.7**	**7,676.0**	**7,792.9**	**7,933.6**	**8,034.3**	**8,128.8**
Final sales of domestic product	7,235.3	7,610.2	7,584.3	7,638.9	7,761.0	7,867.4	7,953.2	8,078.0
Change in business inventories	30.1	25.9	23.4	37.1	31.9	66.1	81.1	50.9
Goods	**2,667.9**	**2,785.2**	**2,782.7**	**2,797.8**	**2,826.9**	**2,904.6**	**2,936.0**	**2,956.4**
Final sales	2,637.8	2,759.3	2,759.3	2,760.7	2,795.0	2,838.4	2,854.9	2,905.6
Change in business inventories	30.1	25.9	23.4	37.1	31.9	66.1	81.1	50.9
Durable goods	1,163.0	1,228.9	1,232.9	1,249.5	1,232.4	1,279.8	1,322.1	1,327.4
Final sales	1,133.9	1,212.0	1,214.8	1,216.3	1,233.5	1,248.0	1,275.3	1,306.5
Change in business inventories	29.1	16.9	18.1	33.3	–1.1	31.8	46.8	20.9
Nondurable goods	1,504.9	1,556.3	1,549.9	1,548.3	1,594.5	1,624.7	1,613.9	1,629.0
Final sales	1,503.9	1,547.3	1,544.5	1,544.4	1,561.5	1,590.4	1,579.6	1,599.0
Change in business inventories	1.0	9.0	5.3	3.9	33.0	34.3	34.4	30.0
Services	**3,980.7**	**4,187.3**	**4,162.2**	**4,208.1**	**4,282.7**	**4,338.2**	**4,400.1**	**4,465.1**
Structures	**616.8**	**663.6**	**662.8**	**670.1**	**683.3**	**690.8**	**698.2**	**707.4**
Addenda:								
Motor vehicle output	273.5	271.4	283.5	278.7	267.2	281.4	270.4	286.2
Gross domestic product less motor vehicle output	6,991.9	7,364.7	7,324.2	7,397.3	7,525.8	7,652.2	7,764.0	7,842.6

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.4.—Real Gross Domestic Product by Major Type of Product

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product	**6,742.1**	**6,928.4**	**6,926.0**	**6,943.8**	**7,017.4**	**7,101.6**	**7,159.6**	**7,217.6**
Final sales of domestic product	6,712.7	6,901.0	6,902.3	6,905.0	6,981.7	7,034.1	7,077.7	7,162.1
Change in business inventories	27.3	25.0	21.3	37.9	32.9	63.7	77.6	49.5
Residual	2.1	2.4	2.4	.9	2.8	3.8	4.3	6.0
Goods	**2,574.2**	**2,662.6**	**2,658.8**	**2,673.1**	**2,704.1**	**2,769.3**	**2,796.7**	**2,819.6**
Final sales	2,545.0	2,635.5	2,635.5	2,634.0	2,668.4	2,699.6	2,711.8	2,763.0
Change in business inventories	27.3	25.0	21.3	37.9	32.9	63.7	77.6	49.5
Durable goods	1,152.3	1,222.1	1,227.3	1,244.0	1,228.5	1,277.0	1,327.5	1,342.0
Final sales	1,124.3	1,205.8	1,210.0	1,211.4	1,230.1	1,245.8	1,281.4	1,321.7
Change in business inventories	27.3	15.9	17.0	31.3	–.9	29.9	43.8	19.6
Nondurable goods	1,423.4	1,443.7	1,435.1	1,433.5	1,477.9	1,496.1	1,476.2	1,485.1
Final sales	1,421.9	1,433.2	1,429.3	1,426.5	1,442.6	1,458.3	1,437.5	1,450.1
Change in business inventories	–.2	9.1	4.3	6.6	33.8	33.8	33.8	29.9
Services	**3,614.7**	**3,686.6**	**3,684.9**	**3,689.0**	**3,723.9**	**3,743.9**	**3,774.4**	**3,805.4**
Structures	**555.0**	**582.2**	**584.9**	**585.0**	**592.9**	**595.1**	**595.7**	**599.8**
Residual	–.9	–4.4	–4.4	–6.0	–5.0	–5.2	–7.0	–8.9
Addenda:								
Motor vehicle output	247.5	241.3	252.8	246.8	236.5	247.5	240.6	253.0
Gross domestic product less motor vehicle output	6,494.3	6,687.1	6,672.9	6,696.8	6,781.0	6,854.1	6,919.1	6,964.7

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line following change in business inventories is the difference between gross domestic product and the sum of final sales of domestic product and of change in business inventories; the residual line following structures is the difference between gross domestic product and the sum of the detailed lines of goods, of services, and of structures.

Percent changes from preceding period for selected items in this table are shown in table 8.1

Table 1.5.—Relation of Gross Domestic Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers

[Billions of dollars]

Gross domestic product	**7,265.4**	**7,636.0**	**7,607.7**	**7,676.0**	**7,792.9**	**7,933.6**	**8,034.3**	**8,128.8**
Less: Exports of goods and services	818.4	870.9	865.0	863.7	904.6	922.2	960.3	965.9
Plus: Imports of goods and services	904.5	965.7	958.7	977.6	993.2	1,021.0	1,049.0	1,076.1
Equals: Gross domestic purchases	**7,351.4**	**7,730.9**	**7,701.5**	**7,790.0**	**7,881.5**	**8,032.4**	**8,123.1**	**8,239.1**
Less: Change in business inventories	30.1	25.9	23.4	37.1	31.9	66.1	81.1	50.9
Equals: Final sales to domestic purchasers	**7,321.3**	**7,705.0**	**7,678.1**	**7,752.8**	**7,849.6**	**7,966.3**	**8,042.0**	**8,188.2**

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.6.—Relation of Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers

[Billions of chained (1992) dollars]

Gross domestic product	**6,742.1**	**6,928.4**	**6,926.0**	**6,943.8**	**7,017.4**	**7,101.6**	**7,159.6**	**7,217.6**
Less: Exports of goods and services	791.2	857.0	847.4	851.4	901.1	922.7	962.5	972.7
Plus: Imports of goods and services	890.1	971.5	960.0	990.2	1,006.6	1,048.9	1,099.1	1,135.7
Equals: Gross domestic purchases	**6,837.5**	**7,037.7**	**7,033.6**	**7,075.3**	**7,118.4**	**7,220.9**	**7,286.9**	**7,367.2**
Less: Change in business inventories	27.3	25.0	21.3	37.9	32.9	63.7	77.6	49.5
Equals: Final sales to domestic purchasers	**6,808.1**	**7,010.2**	**7,009.9**	**7,036.4**	**7,082.7**	**7,153.1**	**7,204.7**	**7,311.7**

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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.

Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.7.—Gross Domestic Product by Sector

[Billions of dollars]

Gross domestic product	**7,265.4**	**7,636.0**	**7,607.7**	**7,676.0**	**7,792.9**	**7,933.6**	**8,034.3**	**8,128.8**
Business [1]	**6,074.7**	**6,401.0**	**6,377.7**	**6,434.2**	**6,543.1**	**6,666.5**	**6,755.0**	**6,836.2**
Nonfarm [1]	6,001.3	6,311.6	6,289.2	6,341.7	6,450.0	6,573.1	6,657.9	6,741.6
Nonfarm less housing	5,372.0	5,652.8	5,636.3	5,677.3	5,777.1	5,892.5	5,971.0	6,048.9
Housing	629.2	658.8	652.8	664.4	673.0	680.6	686.8	692.7
Farm	73.5	89.4	88.6	92.5	93.0	93.4	97.1	94.6
Households and institutions	**331.8**	**346.0**	**343.9**	**347.9**	**352.0**	**357.7**	**363.6**	**369.3**
Private households	11.8	11.5	11.6	11.4	11.1	11.1	11.3	11.4
Nonprofit institutions	319.9	334.6	332.3	336.6	341.0	346.6	352.3	357.9
General government [2]	**858.9**	**889.0**	**886.1**	**893.9**	**897.8**	**909.4**	**915.8**	**923.4**
Federal	275.5	281.4	281.9	282.1	281.1	286.2	286.2	286.3
State and local	583.4	607.6	604.2	611.8	616.7	623.3	629.6	637.0

1. Gross domestic business product equals gross domestic product less gross product of households and institutions and of general government. Nonfarm product equals gross domestic business product less gross farm product.

2. Equals compensation of general government employees plus general government consumption of fixed capital as shown in table 3.7.

Table 1.8.—Real Gross Domestic Product by Sector

[Billions of chained (1992) dollars]

Gross domestic product	**6,742.1**	**6,928.4**	**6,926.0**	**6,943.8**	**7,017.4**	**7,101.6**	**7,159.6**	**7,217.6**
Business [1]	**5,657.4**	**5,842.9**	**5,838.1**	**5,854.9**	**5,928.5**	**6,009.6**	**6,064.4**	**6,117.8**
Nonfarm [1]	5,582.7	5,766.8	5,761.3	5,779.8	5,853.3	5,929.7	5,983.2	6,037.8
Nonfarm less housing	5,005.7	5,181.4	5,179.0	5,191.3	5,261.3	5,335.3	5,388.2	5,443.0
Housing	577.0	585.7	582.6	588.7	592.3	594.9	595.6	595.7
Farm	74.2	75.5	76.2	74.6	74.7	79.0	80.4	79.3
Households and institutions	**305.1**	**311.2**	**310.4**	**312.5**	**314.4**	**316.9**	**319.2**	**321.7**
Private households	10.8	10.1	10.3	10.0	9.6	9.6	9.6	9.7
Nonprofit institutions	294.3	301.1	300.1	302.5	304.8	307.4	309.6	312.0
General government [2]	**780.3**	**775.9**	**778.9**	**778.1**	**776.6**	**777.7**	**778.8**	**781.2**
Federal	248.1	240.9	242.8	241.3	238.9	238.2	237.1	236.5
State and local	532.2	535.2	536.3	537.0	537.9	539.9	542.1	545.1
Residual	–.2	–1.5	–1.3	–1.6	–2.1	–2.7	–3.0	–3.7

1. Gross domestic business product equals gross domestic product less gross product of households and institutions and of general government. Nonfarm product equals gross domestic business product less gross farm product.

2. Equals compensation of general government employees plus general government consumption of fixed capital as shown in table 3.8.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines.

Table 1.9.—Relation of Gross Domestic Product, Gross National Product, Net National Product, National Income, and Personal Income

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product	**7,265.4**	**7,636.0**	**7,607.7**	**7,676.0**	**7,792.9**	**7,933.6**	**8,034.3**	**8,128.8**
Plus: Receipts of factor income from the rest of the world	222.8	234.3	227.1	235.4	248.8	248.2	261.6	257.1
Less: Payments of factor income to the rest of the world	217.5	232.6	224.3	242.3	245.6	262.5	282.3	291.7
Equals: Gross national product	**7,270.6**	**7,637.7**	**7,610.5**	**7,669.1**	**7,796.1**	**7,919.2**	**8,013.6**	**8,094.3**
Less: Consumption of fixed capital	796.8	830.1	824.1	835.4	845.6	855.0	863.0	871.1
Private	653.0	682.7	676.8	687.7	697.2	705.4	712.3	719.7
Capital consumption allowances	669.1	709.9	704.9	715.4	725.3	736.6	745.9	754.3
Less: Capital consumption adjustment	16.1	27.1	28.0	27.8	28.1	31.2	33.6	34.6
Government	143.8	147.4	147.2	147.8	148.4	149.6	150.6	151.4
General government	122.4	125.1	125.1	125.4	125.8	126.8	127.4	128.0
Government enterprises	21.4	22.3	22.1	22.4	22.6	22.9	23.3	23.4
Equals: Net national product	**6,473.9**	**6,807.6**	**6,786.4**	**6,833.6**	**6,950.4**	**7,064.2**	**7,150.7**	**7,223.2**
Less: Indirect business tax and nontax liability	582.8	604.8	599.0	600.9	625.3	610.2	616.2	625.8
Business transfer payments	32.2	33.6	33.5	33.8	34.2	34.4	35.0	35.1
Statistical discrepancy	–28.2	–59.9	–50.2	–79.5	–59.5	–64.3	–73.5	–101.9
Plus: Subsidies less current surplus of government enterprises	25.2	25.4	25.2	24.9	26.0	26.1	26.0	25.8
Equals: National income	**5,912.3**	**6,254.5**	**6,229.4**	**6,303.3**	**6,376.5**	**6,510.0**	**6,599.0**	**6,690.0**
Less: Corporate profits with inventory valuation and capital consumption adjustments	650.0	735.9	738.5	739.6	747.8	779.6	795.1	816.2
Net interest	425.1	425.1	422.5	430.9	430.6	440.5	448.1	455.1
Contributions for social insurance	659.1	692.0	688.7	696.8	705.1	719.5	726.9	734.9
Wage accruals less disbursements	13.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
Plus: Personal interest income	718.9	735.7	727.8	742.7	749.8	757.2	766.1	775.6
Personal dividend income	251.9	291.2	290.0	292.0	295.2	312.5	318.3	324.5
Government transfer payments to persons	990.0	1,042.0	1,039.0	1,046.3	1,055.1	1,080.5	1,090.0	1,098.7
Business transfer payments to persons	25.0	26.0	25.9	26.1	26.4	26.7	26.9	27.2
Equals: Personal income	**6,150.8**	**6,495.2**	**6,461.3**	**6,541.9**	**6,618.4**	**6,746.2**	**6,829.1**	**6,908.7**
Addenda:								
Gross domestic income	7,293.6	7,695.9	7,657.9	7,755.5	7,852.4	7,997.9	8,107.9	8,230.8
Gross national income	7,298.9	7,697.6	7,660.7	7,748.5	7,855.5	7,983.6	8,087.2	8,196.2
Net domestic product	6,468.6	6,805.9	6,783.6	6,840.6	6,947.3	7,078.5	7,171.4	7,257.7

Table 1.10.—Relation of Real Gross Domestic Product, Real Gross National Product, and Real Net National Product

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product	**6,742.1**	**6,928.4**	**6,926.0**	**6,943.8**	**7,017.4**	**7,101.6**	**7,159.6**	**7,217.6**
Plus: Receipts of factor income from the rest of the world	207.7	214.2	208.1	214.8	226.0	224.6	236.3	231.5
Less: Payments of factor income to the rest of the world	200.7	210.2	203.7	218.1	219.8	234.0	250.8	258.0
Equals: Gross national product	6,748.7	6,932.0	6,930.1	6,940.2	7,023.1	7,091.8	7,144.4	7,190.5
Less: Consumption of fixed capital	752.5	776.4	773.0	779.8	786.7	797.3	806.5	816.0
Private	619.6	642.4	639.1	645.7	652.2	662.6	671.5	680.8
Government	132.9	134.2	134.0	134.3	134.6	135.0	135.3	135.6
General government	113.4	114.1	114.0	114.2	114.4	114.6	114.8	115.0
Government enterprises	19.5	20.0	20.0	20.1	20.2	20.3	20.4	20.6
Equals: Net national product	5,996.1	6,155.6	6,156.9	6,160.4	6,236.4	6,294.5	6,338.2	6,375.0
Addenda:								
Gross domestic income [1]	6,768.2	6,982.7	6,971.8	7,015.7	7,070.9	7,159.2	7,225.2	7,308.1
Gross national income [2]	6,774.8	6,986.3	6,975.9	7,012.1	7,076.7	7,149.4	7,210.0	7,281.0
Net domestic product	5,989.4	6,151.9	6,152.8	6,164.0	6,230.7	6,304.4	6,353.3	6,401.9

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.
2. Gross national income deflated by the implicit price deflator for gross national product.

NOTE.—Except as noted in footnotes 1 and 2, chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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.

Table 1.11.—Command-Basis Real Gross National Product

[Billions of chained (1992) dollars]

Gross national product	**6,748.7**	**6,932.0**	**6,930.1**	**6,940.2**	**7,023.1**	**7,091.8**	**7,144.4**	**7,190.5**
Less: Exports of goods and services and receipts of factor income from the rest of the world	999.7	1,071.7	1,055.8	1,066.8	1,127.6	1,147.3	1,198.9	1,203.8
Plus: Command-basis exports of goods and services and receipts of factor income [1]	1,014.0	1,091.1	1,075.2	1,090.2	1,143.4	1,171.9	1,241.7	1,248.9
Equals: Command-basis gross national product	**6,763.0**	**6,951.4**	**6,949.5**	**6,963.6**	**7,038.9**	**7,116.4**	**7,187.2**	**7,235.6**
Addendum:								
Terms of trade [2]	101.4	101.8	101.8	102.2	101.4	102.1	103.6	103.7

1. Exports of goods and services and receipts of factor income deflated by the implicit price deflator for imports of goods and services and payments of factor income.
2. Ratio of the implicit price deflator for exports of goods and services and receipts of factor income to the corresponding implicit price deflator for imports with the decimal point shifted two places to the right.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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.

Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 1.14.—National Income by Type of Income

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
National income	**5,912.3**	**6,254.5**	**6,229.4**	**6,303.3**	**6,376.5**	**6,510.0**	**6,599.0**	**6,690.0**
Compensation of employees	**4,215.4**	**4,426.9**	**4,403.9**	**4,461.0**	**4,520.7**	**4,606.3**	**4,663.4**	**4,723.8**
Wage and salary accruals	3,442.6	3,633.6	3,612.3	3,664.0	3,718.0	3,792.7	3,842.7	3,896.0
Government	623.0	642.6	640.3	645.5	648.9	657.8	662.0	667.8
Other	2,819.6	2,991.0	2,972.0	3,018.4	3,069.0	3,134.9	3,180.8	3,228.2
Supplements to wages and salaries	772.9	793.3	791.5	797.0	802.7	813.6	820.7	827.8
Employer contributions for social insurance	366.0	385.7	383.6	388.6	393.6	401.3	405.6	410.2
Other labor income	406.8	407.6	407.9	408.4	409.1	412.3	415.1	417.7
Proprietors' income with inventory valuation and capital consumption adjustments	**489.0**	**520.3**	**520.0**	**523.8**	**528.3**	**534.6**	**543.6**	**546.7**
Farm	23.4	37.2	36.5	40.1	40.4	40.2	43.6	40.5
Proprietors' income with inventory valuation adjustment	31.4	45.0	44.3	47.9	48.1	47.9	51.2	48.0
Capital consumption adjustment	–7.9	–7.8	–7.8	–7.8	–7.8	–7.7	–7.6	–7.5
Nonfarm	465.5	483.1	483.5	483.7	487.9	494.4	500.0	506.2
Proprietors' income	438.8	455.3	456.4	456.1	460.0	466.3	470.8	476.8
Inventory valuation adjustment	–.5	–.2	–1.2	–.1	.3	–.1	.6	.2
Capital consumption adjustment	27.2	28.0	28.3	27.8	27.5	28.1	28.7	29.2
Rental income of persons with capital consumption adjustment	**132.8**	**146.3**	**144.6**	**148.0**	**149.2**	**149.0**	**148.7**	**148.2**
Rental income of persons	179.8	193.3	191.0	195.5	197.3	197.9	197.6	197.6
Capital consumption adjustment	–47.0	–47.0	–46.4	–47.5	–48.1	–48.9	–48.9	–49.4
Corporate profits with inventory valuation and capital consumption adjustments	**650.0**	**735.9**	**738.5**	**739.6**	**747.8**	**779.6**	**795.1**	**816.2**
Corporate profits with inventory valuation adjustment	598.4	674.1	676.8	676.4	683.4	711.9	725.7	745.8
Profits before tax	622.6	676.6	682.2	679.1	680.0	708.4	719.8	740.8
Profits tax liability	213.2	229.0	232.2	231.6	226.0	241.2	244.5	257.4
Profits after tax	409.4	447.6	450.0	447.5	454.0	467.2	475.3	483.4
Dividends	264.4	304.8	303.7	305.7	309.1	326.8	333.0	339.1
Undistributed profits	145.0	142.8	146.4	141.8	144.9	140.3	142.3	144.3
Inventory valuation adjustment	–24.3	–2.5	–5.4	–2.7	3.3	3.5	5.9	4.9
Capital consumption adjustment	51.6	61.8	61.6	63.2	64.4	67.7	69.4	70.4
Net interest	**425.1**	**425.1**	**422.5**	**430.9**	**430.6**	**440.5**	**448.1**	**455.1**
Addenda:								
Corporate profits after tax with inventory valuation and capital consumption adjustments	436.7	506.9	506.3	508.0	521.8	538.4	550.6	558.8
Net cash flow with inventory valuation and capital consumption adjustments	601.3	654.3	651.1	657.8	674.6	678.9	690.2	697.4
Undistributed profits with inventory valuation and capital consumption adjustments	172.4	202.1	202.6	202.3	212.6	211.5	217.6	219.6
Consumption of fixed capital	428.9	452.3	448.5	455.5	462.0	467.4	472.6	477.8
Less: Inventory valuation adjustment	–24.3	–2.5	–5.4	–2.7	3.3	3.5	5.9	4.9
Equals: Net cash flow	625.5	656.8	656.5	660.5	671.3	675.5	684.4	692.5

Table 1.16.—Gross Domestic Product of Corporate Business in Current Dollars and Gross Domestic Product of Nonfinancial Corporate Business in Current and Chained Dollars

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
	Billions of dollars							
Gross domestic product of corporate business	**4,348.5**	**4,624.9**	**4,601.8**	**4,661.0**	**4,733.2**	**4,824.8**	**4,897.2**	**4,988.6**
Consumption of fixed capital	428.9	452.3	448.5	455.5	462.0	467.4	472.6	477.8
Net domestic product	3,919.6	4,172.6	4,153.3	4,205.5	4,271.2	4,357.4	4,424.6	4,510.8
Indirect business tax and nontax liability plus business transfer payments less subsidies	439.6	463.9	458.0	460.9	485.0	465.9	474.4	482.5
Domestic income	3,480.0	3,708.7	3,695.3	3,744.6	3,786.2	3,891.5	3,950.2	4,028.3
Compensation of employees	2,781.1	2,926.7	2,910.4	2,951.4	2,997.9	3,056.5	3,098.2	3,141.2
Wage and salary accruals	2,296.4	2,433.5	2,417.2	2,456.3	2,500.7	2,550.7	2,588.0	2,626.5
Supplements to wages and salaries	484.7	493.2	493.2	495.1	497.3	505.8	510.2	514.7
Corporate profits with inventory valuation and capital consumption adjustments	563.2	640.0	645.2	647.8	640.3	682.2	694.4	726.8
Profits before tax	535.9	580.7	589.0	587.4	572.5	611.0	619.1	651.5
Profits tax liability	213.2	229.0	232.2	231.6	226.0	241.2	244.5	257.4
Profits after tax	322.7	351.6	356.8	355.7	346.5	369.8	374.5	394.0
Dividends	236.9	270.8	265.8	265.6	281.6	292.7	293.6	301.0
Undistributed profits	85.8	80.8	91.0	90.1	64.9	77.1	80.9	93.1
Inventory valuation adjustment	–24.3	–2.5	–5.4	–2.7	3.3	3.5	5.9	4.9
Capital consumption adjustment	51.6	61.8	61.6	63.2	64.4	67.7	69.4	70.4
Net interest	135.6	142.1	139.7	145.4	148.0	152.8	157.6	160.3
Gross domestic product of financial corporate business	**443.2**	**492.5**	**488.9**	**495.2**	**513.2**	**525.1**	**536.1**	**543.1**
Gross domestic product of nonfinancial corporate business	**3,905.3**	**4,132.4**	**4,112.9**	**4,165.8**	**4,220.1**	**4,299.7**	**4,361.1**	**4,445.5**
Consumption of fixed capital	373.4	393.4	390.2	396.2	401.8	406.3	410.7	415.1
Net domestic product	3,531.9	3,739.0	3,722.7	3,769.7	3,818.3	3,893.4	3,950.4	4,030.4
Indirect business tax and nontax liability plus business transfer payments less subsidies	399.8	421.8	420.2	423.7	430.0	432.2	437.0	444.9
Domestic income	3,132.1	3,317.2	3,302.5	3,345.9	3,388.3	3,461.2	3,513.3	3,585.5
Compensation of employees	2,555.5	2,682.9	2,668.6	2,704.7	2,745.3	2,801.9	2,840.1	2,879.5
Wage and salary accruals	2,107.9	2,228.6	2,214.2	2,248.7	2,287.5	2,335.8	2,370.0	2,405.3
Supplements to wages and salaries	447.5	454.4	454.4	456.0	457.8	466.0	470.1	474.2
Corporate profits with inventory valuation and capital consumption adjustments	474.6	545.8	542.8	553.3	561.7	575.4	586.7	617.9
Profits before tax	438.3	477.2	477.4	483.4	484.4	494.5	501.5	532.5
Profits tax liability	139.4	154.8	154.1	156.8	159.0	159.4	161.8	173.4
Profits after tax	298.9	322.4	323.3	326.6	325.5	335.1	339.8	359.0
Dividends	188.3	196.4	194.3	191.8	199.4	207.0	208.1	213.1
Undistributed profits	110.6	126.0	129.1	134.8	126.1	128.2	131.7	146.0
Inventory valuation adjustment	–24.3	–2.5	–5.4	–2.7	3.3	3.5	5.9	4.9
Capital consumption adjustment	60.5	71.1	70.8	72.6	74.0	77.4	79.3	80.5
Net interest	102.0	88.5	91.2	88.0	81.3	83.9	86.6	88.0
	Billions of chained (1992) dollars							
Gross domestic product of nonfinancial corporate business [1]	**3,719.7**	**3,887.8**	**3,872.4**	**3,913.7**	**3,963.5**	**4,022.2**	**4,068.9**	**4,146.9**
Consumption of fixed capital [2]	357.8	374.4	371.8	376.6	381.7	396.0	402.2	408.2
Net domestic product [3]	3,361.9	3,513.5	3,500.6	3,537.1	3,581.8	3,626.2	3,666.7	3,738.7

1. Chained-dollar gross domestic product of nonfinancial corporate business equals the current-dollar product deflated by the implicit price deflator for goods and structures in gross domestic product.
2. Chained-dollar consumption of fixed capital of nonfinancial corporate business is calculated as the product of the chain-type quantity index and the 1992 current-dollar value of the corresponding series, divided by 100.
3. Chained-dollar net domestic product of nonfinancial corporate business is the difference between the gross product and the consumption of fixed capital.

2. Personal Income and Outlays

Table 2.1.—Personal Income and Its Disposition

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Personal income	**6,150.8**	**6,495.2**	**6,461.3**	**6,541.9**	**6,618.4**	**6,746.2**	**6,829.1**	**6,908.7**
Wage and salary disbursements	**3,429.5**	**3,632.5**	**3,611.2**	**3,662.8**	**3,716.9**	**3,791.5**	**3,841.6**	**3,894.8**
Private industries	2,806.5	2,989.9	2,970.9	3,017.3	3,067.9	3,133.7	3,179.6	3,227.1
Goods-producing industries	864.4	909.1	906.3	917.2	927.8	942.9	952.8	961.2
Manufacturing	648.4	674.7	674.1	680.1	685.6	694.1	700.3	705.7
Distributive industries	783.1	823.3	819.2	829.0	840.6	856.8	867.0	879.5
Service industries	1,159.0	1,257.5	1,245.3	1,271.1	1,299.5	1,334.1	1,359.8	1,386.4
Government	623.0	642.6	640.3	645.5	648.9	657.8	662.0	667.8
Other labor income	**406.8**	**407.6**	**407.9**	**408.4**	**409.1**	**412.3**	**415.1**	**417.7**
Proprietors' income with inventory valuation and capital consumption adjustments	**489.0**	**520.3**	**520.0**	**523.8**	**528.3**	**534.6**	**543.6**	**546.7**
Farm	23.4	37.2	36.5	40.1	40.4	40.2	43.6	40.5
Nonfarm	465.5	483.1	483.5	483.7	487.9	494.4	500.0	506.2
Rental income of persons with capital consumption adjustment	**132.8**	**146.3**	**144.6**	**148.0**	**149.2**	**149.0**	**148.7**	**148.2**
Personal dividend income	**251.9**	**291.2**	**290.0**	**292.0**	**295.2**	**312.5**	**318.3**	**324.5**
Personal interest income	**718.9**	**735.7**	**727.8**	**742.7**	**749.8**	**757.2**	**766.1**	**775.6**
Transfer payments to persons	**1,015.0**	**1,068.0**	**1,064.8**	**1,072.4**	**1,081.5**	**1,107.2**	**1,117.0**	**1,125.9**
Old-age, survivors, disability, and health insurance benefits	507.8	537.6	535.4	540.0	545.6	558.9	564.4	569.4
Government unemployment insurance benefits	21.4	22.0	22.1	21.3	21.6	22.1	21.9	21.7
Veterans benefits	20.8	21.6	21.9	21.7	21.4	22.4	22.4	22.5
Government employees retirement benefits	133.6	142.5	142.2	143.7	145.9	150.4	152.7	154.2
Other transfer payments	331.4	344.2	343.3	345.7	347.0	353.5	355.6	358.1
Family assistance [1]	23.3	21.7	22.0	21.6	20.7	19.7	19.0	18.2
Other	308.0	322.5	321.3	324.2	326.2	333.8	336.6	339.9
Less: Personal contributions for social insurance	**293.1**	**306.3**	**305.0**	**308.2**	**311.5**	**318.2**	**321.3**	**324.7**
Less: Personal tax and nontax payments	**795.1**	**886.9**	**887.8**	**897.3**	**922.6**	**955.7**	**979.2**	**997.0**
Equals: Disposable personal income	**5,355.7**	**5,608.3**	**5,573.5**	**5,644.6**	**5,695.8**	**5,790.5**	**5,849.9**	**5,911.7**
Less: Personal outlays	**5,101.1**	**5,368.8**	**5,347.8**	**5,390.6**	**5,475.4**	**5,574.6**	**5,602.8**	**5,703.8**
Personal consumption expenditures	4,957.7	5,207.6	5,189.1	5,227.4	5,308.1	5,405.7	5,432.1	5,530.7
Interest paid by persons	128.5	145.2	143.0	147.4	150.5	151.9	153.1	155.5
Personal transfer payments to the rest of the world (net)	14.8	15.9	15.8	15.9	16.7	17.0	17.6	17.6
Equals: Personal saving	**254.6**	**239.6**	**225.7**	**254.0**	**220.4**	**215.9**	**247.0**	**207.9**
Addenda:								
Disposable personal income:								
Total, billions of chained (1992) dollars [2]	4,964.2	5,076.9	5,061.3	5,094.8	5,103.8	5,161.1	5,200.9	5,235.3
Per capita:								
Current dollars	20,349	21,117	21,012	21,229	21,373	21,689	21,865	22,045
Chained (1992) dollars	18,861	19,116	19,081	19,161	19,152	19,331	19,439	19,522
Population (mid-period, millions)	263.2	265.6	265.3	265.9	266.5	267.0	267.5	268.2
Personal saving as a percentage of disposable personal income	**4.8**	**4.3**	**4.1**	**4.5**	**3.9**	**3.7**	**4.2**	**3.5**

1. Consists of aid to families with dependent children and, beginning with 1996, assistance programs operating under the Personal Responsibility and Work Opportunity Reconciliation Act of 1996.
2. Equals disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 2.2.—Personal Consumption Expenditures by Major Type of Product

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Personal consumption expenditures	**4,957.7**	**5,207.6**	**5,189.1**	**5,227.4**	**5,308.1**	**5,405.7**	**5,432.1**	**5,530.7**
Durable goods	**608.5**	**634.5**	**638.6**	**634.5**	**638.2**	**658.4**	**644.5**	**667.1**
Motor vehicles and parts	254.8	261.3	264.0	260.0	258.9	265.7	252.7	267.9
Furniture and household equipment	240.2	252.6	253.8	254.2	255.9	263.8	265.4	270.2
Other	113.6	120.6	120.8	120.3	123.4	128.9	126.5	129.0
Nondurable goods	**1,475.8**	**1,534.7**	**1,532.3**	**1,538.3**	**1,560.1**	**1,587.4**	**1,578.9**	**1,601.2**
Food	735.1	756.1	752.2	757.4	766.6	775.5	771.4	779.4
Clothing and shoes	254.7	264.3	265.7	265.7	266.2	275.2	274.8	280.6
Gasoline and oil	114.4	122.6	125.7	121.4	126.0	128.5	121.6	123.9
Fuel oil and coal	10.2	11.6	11.3	11.2	12.0	11.0	11.0	10.9
Other	361.3	380.1	377.3	382.7	389.3	397.1	400.0	406.4
Services	**2,873.4**	**3,038.4**	**3,018.2**	**3,054.6**	**3,109.8**	**3,159.9**	**3,208.7**	**3,262.3**
Housing	750.3	787.2	782.5	791.8	800.7	810.5	821.2	831.9
Household operation	300.7	315.9	317.5	313.4	321.8	320.8	326.7	329.1
Electricity and gas	119.5	125.3	126.7	122.8	126.8	124.9	127.2	125.5
Other household operation	181.2	190.6	190.8	190.6	195.0	195.9	199.5	203.6
Transportation	203.1	218.4	216.6	219.7	224.8	228.9	233.4	237.7
Medical care	772.8	808.1	803.3	811.9	826.9	841.0	849.6	863.3
Other	846.5	908.9	898.3	917.8	935.6	958.8	977.9	1,000.4

Table 2.3.—Real Personal Consumption Expenditures by Major Type of Product

[Billions of chained (1992) dollars]

Personal consumption expenditures	**4,595.3**	**4,714.1**	**4,712.2**	**4,718.2**	**4,756.4**	**4,818.1**	**4,829.4**	**4,897.9**
Durable goods	**583.6**	**611.1**	**614.8**	**611.9**	**617.1**	**637.8**	**629.0**	**655.9**
Motor vehicles and parts	229.5	231.3	234.2	229.7	228.0	233.4	223.1	238.0
Furniture and household equipment	248.4	269.5	269.9	272.3	276.8	287.4	292.3	301.5
Other	107.2	113.3	113.4	113.2	116.3	121.4	119.7	121.8
Nondurable goods	**1,412.6**	**1,432.3**	**1,431.6**	**1,433.9**	**1,441.2**	**1,457.8**	**1,450.0**	**1,465.9**
Food	690.5	689.7	690.3	687.3	689.0	694.6	688.2	689.6
Clothing and shoes	257.5	267.7	268.4	270.8	270.0	277.1	273.8	281.5
Gasoline and oil	113.1	114.1	114.5	114.1	114.8	114.7	116.1	116.6
Fuel oil and coal	10.5	10.6	10.4	10.6	10.3	9.4	10.1	10.4
Other	341.3	351.2	349.1	352.5	358.3	363.7	363.4	369.9
Services	**2,599.6**	**2,671.0**	**2,666.5**	**2,672.8**	**2,698.2**	**2,723.9**	**2,749.8**	**2,777.5**
Housing	688.2	700.2	698.7	701.7	704.8	708.3	712.0	715.6
Household operation	282.9	289.6	292.0	285.8	291.7	288.0	294.2	296.0
Electricity and gas	115.0	117.8	119.7	114.8	117.7	113.8	117.8	116.0
Other household operation	167.8	171.7	172.3	170.9	173.9	174.0	176.2	179.7
Transportation	185.2	194.6	193.8	195.4	197.0	199.3	200.9	203.8
Medical care	674.9	688.1	686.2	689.8	697.1	704.4	708.8	716.4
Other	769.1	799.4	796.8	800.8	808.4	824.3	834.5	846.1
Residual	–2.9	–5.1	–5.5	–5.7	–6.0	–7.7	–7.5	–9.0

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines.

3. Government Receipts, Current Expenditures, and Gross Investment

Table 3.1.—Government Receipts and Current Expenditures

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Receipts	**2,250.2**	**2,412.7**	**2,407.6**	**2,426.7**	**2,479.0**	**2,526.6**	**2,566.8**	**2,615.1**
Personal tax and nontax receipts	795.1	886.9	887.8	897.3	922.6	955.7	979.2	997.0
Corporate profits tax accruals	213.2	229.0	232.2	231.6	226.0	241.2	244.5	257.4
Indirect business tax and nontax accruals	582.8	604.8	599.0	600.9	625.3	610.2	616.2	625.8
Contributions for social insurance	659.1	692.0	688.7	696.8	705.1	719.5	726.9	734.9
Current expenditures	**2,321.6**	**2,417.8**	**2,404.8**	**2,423.6**	**2,455.8**	**2,477.4**	**2,498.7**	**2,516.3**
Consumption expenditures	1,142.1	1,182.4	1,180.7	1,189.8	1,197.0	1,209.7	1,221.6	1,231.6
Transfer payments (net)	1,001.5	1,058.3	1,050.2	1,058.2	1,078.0	1,091.0	1,100.8	1,108.6
To persons	990.0	1,042.0	1,039.0	1,046.3	1,055.1	1,080.5	1,090.0	1,098.7
To the rest of the world (net)	11.5	16.3	11.2	11.9	22.9	10.5	10.8	9.9
Net interest paid	165.2	165.4	162.3	164.4	168.8	164.9	164.9	165.0
Interest paid	314.1	317.7	314.6	318.1	320.7	317.9	319.1	319.7
To persons and business	252.8	246.4	247.3	244.1	241.3	233.3	227.9	226.9
To the rest of the world	61.3	71.3	67.3	74.0	79.4	84.6	91.2	92.8
Less: Interest received by government	148.9	152.3	152.3	153.7	152.0	153.0	154.1	154.7
Less: Dividends received by government	12.5	13.6	13.6	13.7	14.0	14.3	14.7	14.7
Subsidies less current surplus of government enterprises	25.2	25.4	25.2	24.9	26.0	26.1	26.0	25.8
Subsidies	34.0	33.5	33.3	33.5	33.7	34.1	34.6	34.7
Less: Current surplus of government enterprises	8.8	8.1	8.1	8.5	7.7	8.0	8.6	8.8
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Current surplus or deficit (–), national income and product accounts	**–71.4**	**–5.1**	**2.8**	**3.1**	**23.2**	**49.2**	**68.1**	**98.8**
Social insurance funds	124.7	126.6	124.7	129.7	132.0	129.9	132.0	135.5
Other	–196.0	–131.7	–121.9	–126.6	–108.8	–80.7	–63.9	–36.7

Table 3.2.—Federal Government Receipts and Current Expenditures

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Receipts	**1,463.2**	**1,587.6**	**1,583.8**	**1,598.6**	**1,641.6**	**1,675.3**	**1,709.3**	**1,740.2**
Personal tax and nontax receipts	605.8	686.7	688.8	695.7	717.5	746.9	767.9	781.1
Income taxes	588.7	666.8	668.6	674.8	697.2	725.0	744.1	757.7
Estate and gift taxes	14.9	17.5	17.8	18.4	17.7	19.3	21.1	20.7
Nontaxes	2.2	2.5	2.4	2.5	2.6	2.6	2.6	2.7
Corporate profits tax accruals	182.1	194.5	197.2	196.7	192.0	204.9	207.7	218.6
Federal Reserve banks	23.4	20.1	20.0	20.1	20.4	20.9	21.2	21.7
Other	158.7	174.4	177.2	176.6	171.7	184.0	186.5	197.0
Indirect business tax and nontax accruals	93.5	95.8	90.0	91.5	110.2	88.2	92.2	92.4
Excise taxes	58.1	56.4	54.9	55.7	59.6	56.5	59.0	59.0
Customs duties	19.4	19.2	19.5	20.2	16.8	18.6	20.5	20.9
Nontaxes	16.1	20.2	15.6	15.5	33.7	13.2	12.7	12.6
Contributions for social insurance	581.8	610.5	607.8	614.8	622.0	635.3	641.5	648.1
Current expenditures	**1,637.6**	**1,698.1**	**1,695.4**	**1,698.2**	**1,718.8**	**1,730.8**	**1,746.0**	**1,752.7**
Consumption expenditures	443.5	451.5	453.7	454.0	453.6	458.0	464.2	465.0
Transfer payments (net)	720.9	763.5	757.5	761.5	777.3	785.9	791.4	794.6
To persons	709.4	747.2	746.3	749.7	754.4	775.5	780.5	784.7
To the rest of the world (net)	11.5	16.3	11.2	11.9	22.9	10.5	10.8	9.9
Grants-in-aid to State and local governments	211.9	218.3	223.2	218.7	217.5	219.6	222.5	224.2
Net interest paid	224.8	227.1	223.5	226.6	231.8	228.9	229.8	230.9
Interest paid	250.0	253.1	250.1	253.4	256.1	253.2	254.4	255.1
To persons and business	188.7	181.8	182.7	179.5	176.7	168.7	163.3	162.3
To the rest of the world	61.3	71.3	67.3	74.0	79.4	84.6	91.2	92.8
Less: Interest received by government	25.2	26.0	26.6	26.9	24.3	24.4	24.6	24.2
Subsidies less current surplus of government enterprises	36.4	37.7	37.5	37.4	38.5	38.4	38.1	38.0
Subsidies	33.7	33.1	33.0	33.1	33.4	33.8	34.3	34.3
Less: Current surplus of government enterprises	–2.7	–4.6	–4.5	–4.2	–5.1	–4.7	–3.9	–3.6
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Current surplus or deficit (–), national income and product accounts	**–174.4**	**–110.5**	**–111.6**	**–99.5**	**–77.1**	**–55.5**	**–36.8**	**–12.5**
Social insurance funds	54.1	55.3	53.3	58.2	60.6	58.7	60.4	64.1
Other	–228.6	–165.8	–165.0	–157.8	–137.7	–114.2	–97.2	–76.6

Table 3.3.—State and Local Government Receipts and Current Expenditures

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Receipts	**999.0**	**1,043.4**	**1,046.9**	**1,046.7**	**1,054.9**	**1,070.9**	**1,080.0**	**1,099.1**
Personal tax and nontax receipts	189.4	200.2	198.9	201.7	205.1	208.7	211.3	215.9
Income taxes	140.3	149.1	148.2	150.3	153.1	155.7	157.4	161.1
Nontaxes	26.7	28.8	28.5	29.1	29.6	30.1	30.7	31.3
Other	22.4	22.3	22.2	22.3	22.5	22.9	23.3	23.5
Corporate profits tax accruals	31.1	34.5	35.0	34.9	34.0	36.4	36.8	38.8
Indirect business tax and nontax accruals	489.3	508.9	508.9	509.4	515.1	522.0	524.0	533.4
Sales taxes	239.4	249.8	250.4	249.6	251.9	256.2	255.6	258.6
Property taxes	197.4	202.3	201.5	203.0	204.7	206.2	207.8	209.3
Other	52.5	56.8	57.1	56.8	58.5	59.6	60.6	65.4
Contributions for social insurance	77.3	81.4	80.9	82.0	83.1	84.2	85.4	86.8
Federal grants-in-aid	211.9	218.3	223.2	218.7	217.5	219.6	222.5	224.2
Current expenditures	**895.9**	**938.0**	**932.5**	**944.2**	**954.5**	**966.1**	**975.1**	**987.9**
Consumption expenditures	698.6	730.9	727.0	735.9	743.3	751.7	757.4	766.6
Transfer payments to persons	280.6	294.8	292.7	296.6	300.6	305.1	309.5	314.0
Net interest paid	–59.6	–61.7	–61.2	–62.2	–63.0	–64.0	–64.9	–65.9
Interest paid	64.1	64.6	64.6	64.6	64.7	64.6	64.6	64.6
Less: Interest received by government	123.7	126.3	125.7	126.8	127.7	128.6	129.5	130.5
Less: Dividends received by government	12.5	13.6	13.6	13.7	14.0	14.3	14.7	14.7
Subsidies less current surplus of government enterprises	–11.2	–12.3	–12.3	–12.4	–12.5	–12.3	–12.2	–12.1
Subsidies	.3	.3	.3	.3	.3	.3	.3	.3
Less: Current surplus of government enterprises	11.5	12.7	12.7	12.8	12.8	12.7	12.5	12.5
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Current surplus or deficit (–), national income and product accounts	**103.1**	**105.3**	**114.4**	**102.6**	**100.4**	**104.7**	**104.9**	**111.3**
Social insurance funds	70.5	71.3	71.3	71.5	71.4	71.3	71.6	71.4
Other	32.5	34.1	43.1	31.1	28.9	33.5	33.3	39.9

Table 3.7.—Government Consumption Expenditures and Gross Investment by Type

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Government consumption expenditures and gross investment [1]	**1,355.5**	**1,406.7**	**1,407.0**	**1,413.5**	**1,422.3**	**1,433.1**	**1,449.0**	**1,458.6**
Federal	**509.6**	**520.0**	**524.6**	**521.6**	**517.6**	**516.1**	**526.1**	**525.8**
National defense	**344.6**	**352.8**	**357.3**	**354.8**	**350.6**	**343.3**	**350.6**	**352.2**
Consumption expenditures	298.6	305.7	307.8	309.3	307.6	306.4	311.3	311.7
Durable goods [2]	21.1	22.3	23.7	24.7	20.6	20.6	21.9	20.8
Nondurable goods	6.3	7.9	8.3	8.5	7.2	7.6	6.8	7.2
Services	271.2	275.6	275.9	276.1	279.8	278.2	282.7	283.7
Compensation of general government employees, except force-account construction [3]	131.5	135.2	135.4	135.9	134.7	136.8	136.1	135.8
Consumption of general government fixed capital [4]	57.5	57.3	57.6	57.2	57.1	57.1	57.0	57.0
Other services	82.3	83.0	82.8	83.0	87.9	84.3	89.6	90.8
Gross investment	46.0	47.0	49.5	45.5	42.9	37.0	39.3	40.5
Structures	6.4	6.8	7.3	6.6	6.6	6.3	6.2	6.2
Equipment	39.6	40.2	42.2	38.8	36.3	30.7	33.1	34.3
Nondefense	**165.0**	**167.3**	**167.3**	**166.8**	**167.0**	**172.8**	**175.5**	**173.6**
Consumption expenditures	144.9	145.7	145.9	144.6	146.0	151.7	152.9	153.3
Durable goods [2]	.8	.9	1.0	.7	.5	.9	.8	.6
Nondurable goods	6.5	5.7	5.7	5.2	5.6	6.6	6.7	6.7
Commodity Credit Corporation inventory change	–.2	–.4	–.5	–.5	–.3	0	–.2	–.2
Other nondurables	6.7	6.1	6.2	5.8	5.9	6.6	6.8	6.8
Services	137.6	139.2	139.2	138.7	139.9	144.2	145.5	146.1
Compensation of general government employees, except force-account construction [3]	75.8	77.5	77.6	77.6	77.8	80.6	81.4	81.5
Consumption of general government fixed capital [4]	10.7	11.2	11.2	11.3	11.4	11.5	11.7	11.8
Other services	51.1	50.4	50.5	49.8	50.7	52.0	52.5	52.7
Gross investment	20.1	21.5	21.4	22.1	21.0	21.1	22.6	20.3
Structures	11.0	11.3	11.6	11.3	11.4	11.2	10.5	10.7
Equipment	9.1	10.2	9.9	10.9	9.6	9.9	12.0	9.6
State and local	**846.0**	**886.7**	**882.4**	**891.9**	**904.7**	**917.0**	**923.0**	**932.7**
Consumption expenditures	698.6	730.9	727.0	735.9	743.3	751.7	757.4	766.6
Durable goods [2]	14.7	15.3	15.2	15.4	15.5	15.6	15.7	15.9
Nondurable goods	73.0	78.2	78.2	78.3	80.3	81.0	79.9	80.4
Services	610.9	637.5	633.6	642.2	647.6	655.1	661.8	670.3
Compensation of general government employees, except force-account construction [3]	525.5	547.2	544.0	551.1	555.4	561.1	566.7	573.7
Consumption of general government fixed capital [4]	54.2	56.6	56.3	56.8	57.3	58.1	58.7	59.2
Other services	31.2	33.7	33.3	34.3	34.9	36.0	36.3	37.4
Gross investment	147.4	155.7	155.3	156.0	161.4	165.2	165.6	166.2
Structures	121.0	128.5	128.1	128.6	133.9	137.7	138.0	138.4
Equipment	26.4	27.3	27.2	27.4	27.4	27.5	27.6	27.7
Addenda:								
Compensation of general government employees [3]	736.5	763.9	761.0	768.5	772.0	782.7	788.4	795.4
Federal	207.3	212.8	213.1	213.5	212.6	217.5	217.5	217.5
State and local	529.2	551.0	547.9	555.0	559.4	565.2	570.9	577.9

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.
2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries by the Federal Government.
3. Compensation of government employees engaged in new force-account construction and related expenditures for goods and services are classified as investment in structures. The compensation of all general government employees is shown in the addenda.
4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

Table 3.8.—Real Government Consumption Expenditures and Real Gross Investment by Type

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Government consumption expenditures and gross investment [1]	**1,251.9**	**1,257.9**	**1,265.1**	**1,261.5**	**1,261.8**	**1,260.5**	**1,270.1**	**1,273.6**
Federal	**470.3**	**464.2**	**470.7**	**465.7**	**459.6**	**452.8**	**460.1**	**458.9**
National defense	**322.6**	**317.8**	**323.2**	**319.4**	**313.6**	**303.9**	**309.4**	**310.4**
Consumption expenditures	280.6	275.5	278.4	278.1	274.4	270.3	273.9	273.6
Durable goods [2]	20.8	21.8	23.0	24.1	20.2	20.0	21.2	20.2
Nondurable goods	6.3	7.2	7.6	7.8	6.2	6.6	6.3	6.9
Services	253.2	246.5	247.8	246.3	247.8	243.5	246.3	246.3
Compensation of general government employees, except force-account construction [3]	122.3	117.2	118.0	117.2	115.4	114.5	113.3	113.0
Consumption of general government fixed capital [4]	52.5	51.4	51.6	51.3	51.0	50.8	50.5	50.3
Other services	78.4	78.0	78.3	77.9	81.6	78.4	83.0	83.6
Gross investment	42.1	42.3	44.9	41.4	39.2	33.5	35.4	36.8
Structures	5.4	5.6	6.0	5.4	5.4	5.0	4.9	4.9
Equipment	36.5	36.5	38.7	35.8	33.7	28.2	30.3	31.7
Nondefense	**147.5**	**146.1**	**147.2**	**146.0**	**145.7**	**148.5**	**150.2**	**148.2**
Consumption expenditures	128.0	125.3	126.5	124.6	125.1	127.7	128.2	128.0
Durable goods [2]	1.0	1.1	1.2	1.1	.9	1.2	1.2	1.0
Nondurable goods	5.8	5.1	5.2	4.7	5.1	6.0	6.0	5.9
Commodity Credit Corporation inventory change	–.2	–.2	–.3	–.4	–.2	0	–.2	–.2
Other nondurables	6.0	5.4	5.4	5.1	5.3	6.0	6.1	6.1
Services	121.3	119.1	120.2	118.9	119.1	120.6	121.1	121.1
Compensation of general government employees, except force-account construction [3]	62.9	61.3	62.3	61.7	61.4	61.6	61.9	61.7
Consumption of general government fixed capital [4]	10.3	10.8	10.7	10.8	11.0	11.1	11.2	11.3
Other services	48.5	47.4	47.5	46.7	47.2	48.3	48.6	48.6
Gross investment	19.4	21.0	20.8	21.6	20.6	20.8	22.2	20.1
Structures	10.0	10.0	10.2	10.0	10.0	9.8	9.1	9.2
Equipment	9.4	11.1	10.6	11.9	10.7	11.3	13.8	11.2
State and local	**781.6**	**793.7**	**794.4**	**795.9**	**802.3**	**807.7**	**810.1**	**814.7**
Consumption expenditures	646.0	653.6	654.2	655.7	657.8	661.1	664.3	668.6
Durable goods [2]	13.9	14.4	14.3	14.5	14.6	14.7	14.8	14.9
Nondurable goods	69.2	71.5	71.1	71.8	72.5	73.2	73.8	74.4
Services	563.0	567.9	568.9	569.6	570.9	573.5	576.0	579.5
Compensation of general government employees, except force-account construction [3]	478.2	479.9	481.1	481.5	482.0	483.5	485.4	488.2
Consumption of general government fixed capital [4]	50.7	52.0	51.9	52.2	52.6	52.9	53.2	53.5
Other services	35.1	37.4	37.3	37.3	37.9	38.8	39.0	39.6
Gross investment	135.6	140.1	140.2	140.1	144.5	146.6	145.8	146.2
Structures	109.5	112.8	112.9	112.6	116.6	118.4	117.2	117.3
Equipment	26.1	27.4	27.3	27.6	28.0	28.3	28.6	29.1
Residual	–.9	–2.1	–1.6	–2.4	–2.2	–2.1	–3.1	–2.9
Addenda:								
Compensation of general government employees [3]	667.0	661.9	665.0	664.0	662.3	663.2	664.1	666.3
Federal	185.5	178.9	180.7	179.4	177.2	176.5	175.6	175.2
State and local	481.6	483.2	484.5	484.9	485.4	487.1	489.0	491.7

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines, excluding the lines in the addenda.

See footnotes to table 3.7.

Table 3.10.—National Defense Consumption Expenditures and Gross Investment

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
National defense consumption expenditures and gross investment [1]	**344.6**	**352.8**	**357.3**	**354.8**	**350.6**	**343.3**	**350.6**	**352.2**
Consumption expenditures	**298.6**	**305.7**	**307.8**	**309.3**	**307.6**	**306.4**	**311.3**	**311.7**
Durable goods [2]	**21.1**	**22.3**	**23.7**	**24.7**	**20.6**	**20.6**	**21.9**	**20.8**
Aircraft	8.7	9.7	10.2	10.6	9.2	9.2	10.1	9.4
Missiles	3.1	3.2	3.2	3.8	2.8	2.8	3.1	3.3
Ships	1.2	.9	.9	1.3	.6	.7	.7	.7
Vehicles	1.1	1.0	1.0	1.1	.9	1.2	.9	.8
Electronics	2.5	2.6	2.9	2.9	2.3	2.5	2.6	2.6
Other durable goods	4.5	5.0	5.5	5.0	4.8	4.1	4.4	4.0
Nondurable goods	**6.3**	**7.9**	**8.3**	**8.5**	**7.2**	**7.6**	**6.8**	**7.2**
Petroleum products	2.8	3.4	3.4	4.1	3.0	3.1	3.0	3.0
Ammunition	1.2	1.1	1.5	1.1	.7	1.5	1.1	1.1
Other nondurable goods	2.4	3.4	3.4	3.3	3.6	3.0	2.7	3.2
Services	**271.2**	**275.6**	**275.9**	**276.1**	**279.8**	**278.2**	**282.7**	**283.7**
Compensation of general government employees, except force-account construction [3]	131.5	135.2	135.4	135.9	134.7	136.8	136.1	135.8
Military	82.1	85.8	85.7	86.3	86.2	87.1	86.7	86.8
Civilian	49.4	49.4	49.7	49.5	48.5	49.7	49.4	49.0
Consumption of general government fixed capital [4]	57.5	57.3	57.6	57.2	57.1	57.1	57.0	57.0
Other services	82.3	83.0	82.8	83.0	87.9	84.3	89.6	90.8
Research and development	20.9	23.5	22.9	24.2	26.2	25.8	27.5	25.6
Installation support	27.7	27.4	28.2	28.3	26.4	25.9	26.7	28.0
Weapons support	8.3	6.3	5.9	5.4	8.0	5.9	6.9	7.7
Personnel support	18.3	19.0	18.5	18.8	20.5	20.2	22.4	23.3
Transportation of material	4.3	4.7	5.0	4.7	4.7	4.5	4.2	4.1
Travel of persons	4.5	4.3	4.3	4.2	4.1	3.9	3.9	3.7
Other	–1.7	–2.1	–2.0	–2.6	–1.9	–1.8	–2.0	–1.5
Gross investment	**46.0**	**47.0**	**49.5**	**45.5**	**42.9**	**37.0**	**39.3**	**40.5**
Structures	**6.4**	**6.8**	**7.3**	**6.6**	**6.6**	**6.3**	**6.2**	**6.2**
Equipment	**39.6**	**40.2**	**42.2**	**38.8**	**36.3**	**30.7**	**33.1**	**34.3**
Aircraft	9.0	9.3	10.0	7.6	5.9	4.7	4.0	6.8
Missiles	4.6	4.1	4.3	4.3	3.7	2.9	3.4	3.0
Ships	8.0	6.8	7.2	6.6	6.3	5.6	6.7	6.4
Vehicles	.9	.9	.9	.9	.8	1.0	1.3	1.3
Electronics	3.5	3.6	3.7	4.0	3.2	3.3	3.4	3.3
Other equipment	13.5	15.5	16.0	15.5	16.3	13.2	14.3	13.5
Addendum:								
Compensation of general government employees [3]	131.5	135.2	135.4	135.9	134.7	136.8	136.1	135.8

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.
2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries.
3. Compensation of government employees engaged in new force-account construction and related expenditures for goods and services are classified as investment in structures. The compensation of all general government employees is shown in the addendum.
4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

Table 3.11.—Real National Defense Consumption Expenditures and Real Gross Investment

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
National defense consumption expenditures and gross investment [1]	**322.6**	**317.8**	**323.2**	**319.4**	**313.6**	**303.9**	**309.4**	**310.4**
Consumption expenditures	**280.6**	**275.5**	**278.4**	**278.1**	**274.4**	**270.3**	**273.9**	**273.6**
Durable goods [2]	**20.8**	**21.8**	**23.0**	**24.1**	**20.2**	**20.0**	**21.2**	**20.2**
Aircraft	8.5	9.3	9.8	10.2	8.9	8.9	9.8	9.2
Missiles	3.4	3.4	3.5	4.0	3.1	2.9	3.1	3.3
Ships	1.2	.8	.8	1.2	.5	.7	.7	.7
Vehicles	1.0	.9	1.0	1.1	.9	1.2	.9	.7
Electronics	2.5	2.7	3.0	3.0	2.4	2.6	2.8	2.8
Other durable goods	4.3	4.6	5.0	4.6	4.4	3.8	4.0	3.7
Nondurable goods	**6.3**	**7.2**	**7.6**	**7.8**	**6.2**	**6.6**	**6.3**	**6.9**
Petroleum products	3.1	3.1	3.2	3.7	2.4	2.6	2.9	3.1
Ammunition	1.1	1.0	1.2	1.0	.6	1.3	.9	.9
Other nondurable goods	2.2	3.2	3.2	3.1	3.4	2.8	2.6	3.0
Services	**253.2**	**246.5**	**247.8**	**246.3**	**247.8**	**243.5**	**246.3**	**246.3**
Compensation of general government employees, except force-account construction [3]	122.3	117.2	118.0	117.2	115.4	114.5	113.3	113.0
Military	79.8	76.9	77.0	76.7	76.1	75.5	74.8	74.9
Civilian	42.6	40.4	41.1	40.6	39.4	39.0	38.6	38.2
Consumption of general government fixed capital [4]	52.5	51.4	51.6	51.3	51.0	50.8	50.5	50.3
Other services	78.4	78.0	78.3	77.9	81.6	78.4	83.0	83.6
Research and development	20.8	23.5	23.1	24.3	26.0	25.7	27.1	25.0
Installation support	25.5	24.9	25.8	25.6	23.8	23.5	24.2	25.2
Weapons support	7.8	5.7	5.3	4.9	7.1	5.2	6.1	6.7
Personnel support	17.4	17.2	16.9	17.0	18.1	17.7	19.8	20.5
Transportation of material	4.1	4.7	4.9	4.6	4.6	4.4	4.1	4.0
Travel of persons	4.2	4.1	4.2	4.0	3.8	3.6	3.6	3.4
Other	–1.6	–1.9	–1.8	–2.3	–1.6	–1.6	–1.7	–1.3
Gross investment	**42.1**	**42.3**	**44.9**	**41.4**	**39.2**	**33.5**	**35.4**	**36.8**
Structures	**5.4**	**5.6**	**6.0**	**5.4**	**5.4**	**5.0**	**4.9**	**4.9**
Equipment	**36.5**	**36.5**	**38.7**	**35.8**	**33.7**	**28.2**	**30.3**	**31.7**
Aircraft	7.2	7.1	8.1	6.4	5.0	4.0	3.3	5.9
Missiles	4.7	4.4	4.5	4.5	4.0	2.9	3.4	2.9
Ships	7.2	6.1	6.5	5.9	5.6	4.9	5.9	5.6
Vehicles	.8	.8	.8	.7	.7	.9	1.1	1.1
Electronics	3.9	4.4	4.6	5.0	4.2	4.3	4.6	4.5
Other equipment	12.8	14.1	14.5	13.9	14.7	11.8	12.7	12.0
Residual	.2	–.6	–.6	–1.0	–.9	–.5	–1.3	–.8
Addendum:								
Compensation of general government employees [3]	122.3	117.2	118.0	117.2	115.4	114.5	113.3	113.0

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines, excluding the line in the addendum.

See footnotes to table 3.10.

4. Foreign Transactions

Table 4.1.—Foreign Transactions in the National Income and Product Accounts

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Receipts from the rest of the world	**1,041.2**	**1,105.1**	**1,092.0**	**1,099.0**	**1,153.4**	**1,170.4**	**1,221.9**	**1,223.1**
Exports of goods and services	818.4	870.9	865.0	863.7	904.6	922.2	960.3	965.9
Goods [1]	583.9	617.5	613.9	609.7	640.5	656.2	690.0	691.6
Durable	394.3	421.2	420.4	415.8	438.8	455.9	486.3	485.9
Nondurable	189.6	196.3	193.5	193.9	201.6	200.3	203.7	205.7
Services [1]	234.6	253.3	251.1	254.0	264.2	266.0	270.3	274.3
Receipts of factor income	222.8	234.3	227.1	235.4	248.8	248.2	261.6	257.1
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Payments to the rest of the world	**1,041.2**	**1,105.1**	**1,092.0**	**1,099.0**	**1,153.4**	**1,170.4**	**1,221.9**	**1,223.1**
Imports of goods and services	904.5	965.7	958.7	977.6	993.2	1,021.0	1,049.0	1,076.1
Goods [1]	757.5	809.0	802.9	820.2	834.6	855.8	880.1	904.5
Durable	510.3	533.6	529.6	540.3	541.3	563.4	583.8	602.4
Nondurable	247.3	275.5	273.4	279.8	293.3	292.5	296.3	302.1
Services [1]	146.9	156.7	155.8	157.5	158.6	165.2	168.9	171.6
Payments of factor income	217.5	232.6	224.3	242.3	245.6	262.5	282.3	291.7
Transfer payments (net)	33.6	39.8	34.7	35.4	47.4	35.2	36.5	35.4
From persons (net)	14.8	15.9	15.8	15.9	16.7	17.0	17.6	17.6
From government (net)	11.5	16.3	11.2	11.9	22.9	10.5	10.8	9.9
From business	7.3	7.6	7.6	7.7	7.8	7.7	8.1	7.9
Net foreign investment	–114.4	–132.9	–125.6	–156.4	–132.9	–148.4	–146.0	–180.2

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment were reclassified from goods to services.

Table 4.2.—Real Exports and Imports of Goods and Services and Receipts and Payments of Factor Income

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Exports of goods and services	**791.2**	**857.0**	**847.4**	**851.4**	**901.1**	**922.7**	**962.5**	**972.7**
Goods [1]	573.9	628.4	619.2	623.0	666.2	686.2	725.8	732.5
Durable	411.2	463.3	459.1	460.8	494.0	517.0	555.8	560.2
Nondurable	164.1	169.1	164.5	166.4	177.0	176.0	179.2	181.4
Services [1]	218.0	229.9	229.3	229.4	236.8	238.9	240.8	244.2
Receipts of factor income	**207.7**	**214.2**	**208.1**	**214.8**	**226.0**	**224.6**	**236.3**	**231.5**
Imports of goods and services	**890.1**	**971.5**	**960.0**	**990.2**	**1,006.6**	**1,048.9**	**1,099.1**	**1,135.7**
Goods [1]	749.2	823.1	811.7	841.7	857.5	891.3	938.4	971.5
Durable	511.7	569.9	559.8	582.6	596.6	630.8	660.7	687.6
Nondurable	237.2	253.5	251.9	259.4	261.6	263.3	280.1	286.9
Services [1]	141.2	149.0	148.8	149.3	150.0	158.4	161.8	165.6
Payments of factor income	**200.7**	**210.2**	**203.7**	**218.1**	**219.8**	**234.0**	**250.8**	**258.0**

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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.

Table 4.3.—Exports and Imports of Goods and Services by Type of Product

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Exports of goods and services	**818.4**	**870.9**	**865.0**	**863.7**	**904.6**	**922.2**	**960.3**	**965.9**
Exports of goods [1]	**583.9**	**617.5**	**613.9**	**609.7**	**640.5**	**656.2**	**690.0**	**691.6**
Foods, feeds, and beverages	50.5	55.5	55.0	55.1	55.8	51.1	48.6	49.6
Industrial supplies and materials	141.3	141.0	138.5	139.5	145.9	147.4	154.0	155.6
Durable goods	49.8	51.0	51.2	51.0	51.9	53.2	55.7	55.5
Nondurable goods	91.4	90.1	87.3	88.5	94.0	94.3	98.3	100.1
Capital goods, except automotive	233.8	253.1	252.6	246.8	265.3	275.9	296.9	298.5
Civilian aircraft, engines, and parts	26.1	30.8	33.3	26.8	36.7	39.6	45.5	36.2
Computers, peripherals, and parts	39.7	43.7	43.4	43.5	43.3	46.3	50.1	52.5
Other	168.0	178.6	175.9	176.5	185.2	190.0	201.3	209.8
Automotive vehicles, engines, and parts	61.8	65.0	64.2	66.2	67.0	70.9	73.4	73.3
Consumer goods, except automotive	64.4	70.1	69.9	69.4	72.9	75.3	78.9	77.0
Durable goods	32.8	35.8	35.7	35.5	37.8	38.1	41.2	39.8
Nondurable goods	31.6	34.3	34.3	33.9	35.1	37.2	37.7	37.1
Other	32.1	32.7	33.6	32.7	33.5	35.6	38.2	37.7
Durable goods	16.1	16.3	16.8	16.3	16.8	17.8	19.1	18.8
Nondurable goods	16.1	16.3	16.8	16.3	16.8	17.8	19.1	18.8
Exports of services [1]	**234.6**	**253.3**	**251.1**	**254.0**	**264.2**	**266.0**	**270.3**	**274.3**
Transfers under U.S. military agency sales contracts	12.8	13.5	14.9	12.8	14.9	12.3	14.0	13.6
Travel	63.4	69.9	69.4	70.6	72.7	74.5	72.6	74.5
Passenger fares	19.1	20.6	19.8	20.9	21.1	21.3	21.2	21.6
Other transportation	27.4	27.2	27.2	26.9	28.6	28.2	28.8	29.1
Royalties and license fees	27.4	30.0	29.4	30.0	30.8	30.9	31.9	31.3
Other private services	65.5	72.2	71.2	72.4	75.2	77.7	80.2	82.1
Other	18.9	19.9	19.2	20.4	20.8	21.0	21.5	22.1
Imports of goods and services	**904.5**	**965.7**	**958.7**	**977.6**	**993.2**	**1,021.0**	**1,049.0**	**1,076.1**
Imports of goods [1]	**757.5**	**809.0**	**802.9**	**820.2**	**834.6**	**855.8**	**880.1**	**904.5**
Foods, feeds, and beverages	33.2	35.7	35.9	35.8	36.7	38.0	40.0	40.5
Industrial supplies and materials, except petroleum and products	119.9	125.2	123.5	127.1	128.7	130.7	134.3	137.6
Durable goods	59.8	63.1	63.0	64.7	64.9	65.7	69.4	70.2
Nondurable goods	60.1	62.1	60.4	62.4	63.8	65.0	64.9	67.4
Petroleum and products	56.2	72.7	74.1	76.2	82.2	76.7	71.0	70.1
Capital goods, except automotive	221.4	229.0	226.3	227.4	231.4	237.3	251.7	262.2
Civilian aircraft, engines, and parts	10.7	12.7	12.8	13.0	14.0	13.6	15.5	18.8
Computers, peripherals, and parts	56.3	61.5	60.8	61.7	62.8	65.5	70.5	73.6
Other	154.4	154.9	152.8	152.7	154.6	158.2	165.6	169.8
Automotive vehicles, engines, and parts	123.8	128.9	129.1	133.7	128.9	142.2	138.3	143.5
Consumer goods, except automotive	159.9	171.0	167.6	173.2	179.4	181.2	192.0	194.9
Durable goods	83.7	89.3	87.9	91.2	92.4	93.2	98.0	98.6
Nondurable goods	76.2	81.7	79.7	82.0	87.0	88.0	94.1	96.2
Other	43.2	46.4	46.5	46.7	47.2	49.6	52.8	55.7
Durable goods	21.6	23.2	23.2	23.4	23.6	24.8	26.4	27.9
Nondurable goods	21.6	23.2	23.2	23.4	23.6	24.8	26.4	27.9
Imports of services [1]	**146.9**	**156.7**	**155.8**	**157.5**	**158.6**	**165.2**	**168.9**	**171.6**
Direct defense expenditures	9.9	10.9	11.0	11.1	10.9	11.2	11.4	11.5
Travel	46.1	48.7	48.4	47.7	49.0	52.3	52.6	53.1
Passenger fares	14.4	15.8	15.8	15.7	16.2	17.1	17.2	17.6
Other transportation	28.3	28.5	29.0	28.9	28.7	29.3	30.0	30.2
Royalties and license fees	6.5	7.3	6.7	8.6	7.1	7.6	8.4	8.6
Other private services	35.4	38.9	38.4	38.9	40.0	40.9	42.4	43.8
Other	6.3	6.6	6.5	6.7	6.8	6.8	6.8	6.9
Addenda:								
Exports of agricultural goods [2]	57.2	61.5	60.3	60.4	61.8	57.3	56.4	58.1
Exports of nonagricultural goods	526.6	556.0	553.5	549.3	578.7	598.9	633.5	633.5
Imports of nonpetroleum goods	701.4	736.3	728.9	743.9	752.4	779.1	809.1	834.4

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes parts of foods, feeds, and beverages; of nondurable industrial supplies and materials; and of nondurable nonautomotive consumer goods.

Table 4.4.—Real Exports and Imports of Goods and Services by Type of Product

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Exports of goods and services	**791.2**	**857.0**	**847.4**	**851.4**	**901.1**	**922.7**	**962.5**	**972.7**
Exports of goods [1]	**573.9**	**628.4**	**619.2**	**623.0**	**666.2**	**686.2**	**725.8**	**732.5**
Foods, feeds, and beverages	44.5	44.0	41.2	42.8	47.2	43.2	40.9	42.7
Industrial supplies and materials	116.4	121.9	119.9	121.3	126.6	127.6	133.5	134.5
Durable goods	42.3	44.8	44.7	45.4	46.3	46.9	49.1	48.9
Nondurable goods	74.2	77.1	75.3	76.0	80.4	80.8	84.5	85.6
Capital goods, except automotive	263.5	310.4	306.6	305.8	337.2	356.1	388.7	396.2
Civilian aircraft, engines, and parts	23.8	27.0	29.4	23.3	31.8	33.7	38.7	30.6
Computers, peripherals, and parts	66.5	97.2	94.0	100.3	106.8	122.3	142.5	160.3
Other	180.7	203.3	198.4	202.4	217.2	224.7	238.7	249.7
Automotive vehicles, engines, and parts	60.0	62.4	61.6	63.5	64.1	67.6	69.8	69.6
Consumer goods, except automotive	62.6	67.3	67.1	66.5	69.8	71.8	75.2	73.3
Durable goods	32.3	34.9	34.7	34.5	36.8	36.8	39.7	38.4
Nondurable goods	30.3	32.4	32.4	32.0	33.0	35.0	35.5	34.9
Other	30.4	31.5	32.1	31.6	33.0	35.1	37.8	37.5
Durable goods	15.2	15.8	16.0	15.8	16.5	17.6	18.9	18.8
Nondurable goods	15.2	15.8	16.0	15.8	16.5	17.6	18.9	18.8
Exports of services [1]	**218.0**	**229.9**	**229.3**	**229.4**	**236.8**	**238.9**	**240.8**	**244.2**
Transfers under U.S. military agency sales contracts	11.6	12.2	13.4	11.6	13.5	11.1	12.6	12.3
Travel	59.1	62.6	62.5	62.9	64.4	65.3	63.4	64.9
Passenger fares	17.4	18.7	18.3	19.1	18.8	20.7	19.4	20.0
Other transportation	26.6	25.8	25.9	25.4	26.7	26.5	27.2	27.6
Royalties and license fees	25.5	27.4	26.9	27.3	28.0	28.0	28.8	28.2
Other private services	61.8	67.0	66.1	67.0	69.3	71.4	73.5	75.1
Other	16.1	16.3	16.2	16.2	16.2	16.3	16.3	16.4
Residual	–11.9	–27.7	–25.6	–29.9	–32.4	–42.8	–55.9	–70.1
Imports of goods and services	**890.1**	**971.5**	**960.0**	**990.2**	**1,006.6**	**1,048.9**	**1,099.1**	**1,135.7**
Imports of goods [1]	**749.2**	**823.1**	**811.7**	**841.7**	**857.5**	**891.3**	**938.4**	**971.5**
Foods, feeds, and beverages	29.3	32.3	31.8	32.5	33.2	34.2	35.3	36.2
Industrial supplies and materials, except petroleum and products	107.9	114.2	112.7	116.9	117.7	118.3	123.3	125.5
Durable goods	53.5	57.3	57.1	58.8	59.1	59.1	61.7	62.2
Nondurable goods	54.3	56.8	55.6	58.1	58.5	59.2	61.6	63.3
Petroleum and products	59.3	63.8	65.9	67.5	64.0	62.2	68.1	69.0
Capital goods, except automotive	246.5	294.5	284.2	298.6	319.6	340.3	369.4	393.0
Civilian aircraft, engines, and parts	9.8	11.2	11.3	11.4	12.2	11.7	13.2	15.9
Computers, peripherals, and parts	88.7	118.3	114.4	121.5	130.2	144.4	165.2	183.6
Other	154.4	177.6	170.5	179.1	191.8	202.8	214.5	221.1
Automotive vehicles, engines, and parts	114.8	118.8	119.0	123.1	118.7	131.0	127.6	131.8
Consumer goods, except automotive	155.1	165.3	161.9	167.6	173.9	176.5	187.6	190.7
Durable goods	81.2	86.6	85.2	88.6	90.0	91.5	97.0	98.1
Nondurable goods	73.9	78.7	76.7	78.9	83.9	84.9	90.5	92.6
Other	40.2	43.2	43.2	43.6	44.0	46.4	49.6	52.4
Durable goods	20.1	21.6	21.6	21.8	22.0	23.2	24.8	26.2
Nondurable goods	20.1	21.6	21.6	21.8	22.0	23.2	24.8	26.2
Imports of services [1]	**141.2**	**149.0**	**148.8**	**149.3**	**150.0**	**158.4**	**161.8**	**165.6**
Direct defense expenditures	9.1	10.1	10.3	10.3	10.0	11.0	11.2	11.7
Travel	43.0	44.6	44.7	43.0	44.7	49.1	49.9	50.7
Passenger fares	13.9	14.9	15.0	15.0	15.1	15.7	15.3	15.6
Other transportation	28.0	27.6	28.2	28.0	27.4	28.1	28.9	29.3
Royalties and license fees	6.1	6.7	6.2	7.8	6.4	6.9	7.6	7.7
Other private services	35.4	39.2	38.6	39.3	40.3	41.4	42.9	44.4
Other	5.9	6.0	6.0	6.1	6.2	6.3	6.3	6.4
Residual	–10.7	–22.2	–19.7	–22.4	–29.1	–37.0	–47.3	–56.3
Addenda:								
Exports of agricultural goods [2]	49.5	48.6	45.4	46.8	51.7	47.7	47.2	49.5
Exports of nonagricultural goods	524.6	581.3	576.0	578.1	616.0	641.6	682.8	686.8
Imports of nonpetroleum goods	688.6	757.8	744.1	772.3	792.7	829.7	870.3	902.7

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line following the detail for exports is the difference between the aggregate "exports of goods and services" and the sum of the detailed lines for exports of goods and export of services. The residual line following the detail for imports is the difference between the aggregate "imports of goods and services" and the detailed lines for imports of goods and imports of services.

See footnotes to table 4.3.

5. Saving and Investment

Table 5.1.—Gross Saving and Investment

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Gross saving	**1,165.5**	**1,267.8**	**1,256.3**	**1,295.9**	**1,303.0**	**1,332.9**	**1,396.9**	**1,398.6**
Gross private saving	**1,093.1**	**1,125.5**	**1,106.3**	**1,145.1**	**1,131.4**	**1,134.0**	**1,178.1**	**1,148.4**
Personal saving	254.6	239.6	225.7	254.0	220.4	215.9	247.0	207.9
Undistributed corporate profits with inventory valuation and capital consumption adjustments	172.4	202.1	202.6	202.3	212.6	211.5	217.6	219.6
Undistributed profits	145.0	142.8	146.4	141.8	144.9	140.3	142.3	144.3
Inventory valuation adjustment	–24.3	–2.5	–5.4	–2.7	3.3	3.5	5.9	4.9
Capital consumption adjustment	51.6	61.8	61.6	63.2	64.4	67.7	69.4	70.4
Corporate consumption of fixed capital	428.9	452.3	448.5	455.5	462.0	467.4	472.6	477.8
Noncorporate consumption of fixed capital	224.1	230.5	228.3	232.2	235.2	238.0	239.7	241.9
Wage accruals less disbursements	13.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
Gross government saving	**72.4**	**142.3**	**150.0**	**150.8**	**171.6**	**198.9**	**218.8**	**250.1**
Federal	–103.6	–39.2	–40.2	–28.3	–5.9	15.9	34.7	59.2
Consumption of fixed capital	70.9	71.2	71.4	71.2	71.3	71.4	71.5	71.7
Current surplus or deficit (–), national income and product accounts	–174.4	–110.5	–111.6	–99.5	–77.1	–55.5	–36.8	–12.5
State and local	176.0	181.5	190.2	179.1	177.5	182.9	184.1	191.0
Consumption of fixed capital	72.9	76.2	75.8	76.5	77.2	78.2	79.2	79.7
Current surplus or deficit (–), national income and product accounts	103.1	105.3	114.4	102.6	100.4	104.7	104.9	111.3
Capital grants received by the United States (net)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Gross investment	**1,137.2**	**1,207.9**	**1,206.0**	**1,216.4**	**1,243.5**	**1,268.6**	**1,323.4**	**1,296.6**
Gross private domestic investment	1,038.2	1,116.5	1,105.4	1,149.2	1,151.1	1,193.6	1,242.0	1,249.8
Gross government investment	213.4	224.3	226.3	223.6	225.3	223.3	227.4	227.0
Net foreign investment	–114.4	–132.9	–125.6	–156.4	–132.9	–148.4	–146.0	–180.2
Statistical discrepancy	**–28.2**	**–59.9**	**–50.2**	**–79.5**	**–59.5**	**–64.3**	**–73.5**	**–101.9**
Addendum:								
Gross saving as a percentage of gross national product	16.0	16.6	16.5	16.9	16.7	16.8	17.4	17.3

Table 5.4.—Private Fixed Investment by Type

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Private fixed investment	**1,008.1**	**1,090.7**	**1,082.0**	**1,112.0**	**1,119.2**	**1,127.5**	**1,160.8**	**1,198.9**
Nonresidential	**723.0**	**781.4**	**769.3**	**798.6**	**807.2**	**811.3**	**836.3**	**869.6**
Structures	**200.6**	**215.2**	**210.6**	**217.7**	**227.0**	**227.4**	**226.8**	**230.6**
Nonresidential buildings, including farm	143.8	159.8	155.5	162.5	171.2	174.0	172.1	175.4
Utilities	33.2	33.3	32.9	32.7	34.1	32.0	33.7	33.1
Mining exploration, shafts, and wells	16.3	16.1	16.0	16.5	16.0	16.1	15.6	16.2
Other structures	7.3	6.2	6.1	6.0	5.8	5.3	5.5	5.9
Producers' durable equipment	**522.4**	**566.2**	**558.7**	**580.9**	**580.2**	**583.9**	**609.5**	**639.0**
Information processing and related equipment	172.8	195.1	190.9	201.1	200.3	202.8	208.4	220.0
Computers and peripheral equipment [1]	65.6	78.7	76.8	80.9	81.0	81.8	84.5	88.3
Other	107.2	116.3	114.1	120.3	119.3	121.0	123.9	131.7
Industrial equipment	121.5	127.5	129.2	128.2	127.9	127.7	134.9	137.6
Transportation and related equipment	125.7	134.5	130.8	140.0	140.1	137.7	147.1	159.6
Other	102.4	109.1	107.9	111.5	111.9	115.7	119.1	121.8
Residential	**285.1**	**309.2**	**312.7**	**313.5**	**312.0**	**316.2**	**324.6**	**329.3**
Structures	**277.8**	**301.7**	**305.2**	**305.9**	**304.4**	**308.3**	**316.7**	**321.3**
Single family	145.2	159.1	160.2	162.2	160.6	161.0	162.5	163.7
Multifamily	17.9	20.3	21.7	19.2	20.1	21.9	23.0	22.0
Other structures	114.8	122.3	123.2	124.5	123.7	125.3	131.2	135.7
Producers' durable equipment	**7.2**	**7.5**	**7.5**	**7.5**	**7.6**	**7.9**	**7.9**	**8.0**

1. Includes new computers and peripheral equipment only.

Table 5.5.—Real Private Fixed Investment by Type

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Private fixed investment	**962.1**	**1,041.7**	**1,035.7**	**1,060.9**	**1,068.7**	**1,079.0**	**1,111.4**	**1,148.2**
Nonresidential	**706.5**	**771.7**	**759.7**	**789.3**	**800.8**	**808.9**	**837.0**	**872.5**
Structures	**179.9**	**188.7**	**185.6**	**190.0**	**196.9**	**195.9**	**193.5**	**195.1**
Nonresidential buildings, including farm	128.8	140.0	137.0	141.7	148.4	150.1	147.1	148.6
Utilities	30.0	29.3	29.1	28.7	29.5	27.5	28.7	28.0
Mining exploration, shafts, and wells	14.3	13.9	13.9	14.1	13.8	13.6	13.0	13.4
Other structures	6.7	5.5	5.4	5.4	5.1	4.6	4.7	5.0
Producers' durable equipment	**528.3**	**586.0**	**577.1**	**602.9**	**606.7**	**616.6**	**649.3**	**685.3**
Information processing and related equipment	201.8	253.1	244.8	264.3	270.4	281.4	296.9	321.2
Computers and peripheral equipment [1]	102.8	160.8	152.0	170.0	182.4	195.8	216.1	240.9
Other	107.0	116.3	114.0	120.3	119.3	121.5	124.4	131.8
Industrial equipment	113.4	117.0	118.8	117.6	116.9	116.8	123.5	125.7
Transportation and related equipment	118.9	125.0	121.8	129.5	129.7	127.5	136.0	146.5
Other	97.0	100.8	100.1	102.8	102.5	106.1	109.1	111.8
Residential	**257.0**	**272.1**	**277.2**	**274.1**	**271.1**	**273.3**	**278.2**	**280.8**
Structures	**250.0**	**265.0**	**270.0**	**266.9**	**263.9**	**265.9**	**270.8**	**273.2**
Single family	126.9	136.6	138.6	138.3	136.2	136.2	136.5	136.6
Multifamily	16.9	18.6	20.2	17.5	18.0	19.6	20.4	19.4
Other structures	106.7	110.2	111.7	111.5	110.0	110.5	114.4	117.8
Producers' durable equipment	**7.0**	**7.1**	**7.2**	**7.2**	**7.2**	**7.4**	**7.5**	**7.6**
Residual	–14.3	–39.4	–34.1	–43.7	–50.3	–58.2	–70.0	–84.9

1. Includes new computers and peripheral equipment only.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines.

Table 5.10.—Change in Business Inventories by Industry

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Change in business inventories	**30.1**	**25.9**	**23.4**	**37.1**	**31.9**	**66.1**	**81.1**	**50.9**
Farm	–7.9	2.9	6.2	5.8	3.2	3.9	6.2	7.7
Nonfarm	38.1	23.0	17.2	31.3	28.7	62.2	74.9	43.2
Change in book value	67.2	28.2	22.0	33.8	32.6	44.5	57.5	39.4
Inventory valuation adjustment	–29.2	–5.1	–4.8	–2.4	–3.9	17.7	17.4	3.8
Manufacturing	8.4	10.6	.5	15.3	13.3	22.3	30.9	17.9
Durable goods	5.8	10.2	4.7	14.4	6.8	12.9	19.1	12.7
Nondurable goods	2.6	.4	–4.2	.9	6.4	9.3	11.8	5.2
Wholesale trade	13.4	3.3	4.8	–7.7	10.1	24.3	26.0	15.5
Durable goods	11.7	2.5	4.1	4.7	–5.5	15.4	23.5	3.9
Nondurable goods	1.7	.8	.7	–12.4	15.6	8.9	2.4	11.7
Merchant wholesalers	11.3	2.4	3.6	–8.0	11.7	18.9	18.4	14.8
Durable goods	10.1	1.9	3.1	4.2	–3.2	12.3	18.6	4.2
Nondurable goods	1.2	.5	.5	–12.1	14.8	6.6	–.2	10.7
Nonmerchant wholesalers	2.1	.9	1.2	.3	–1.6	5.4	7.6	.7
Durable goods	1.7	.6	1.0	.6	–2.3	3.1	4.9	–.3
Nondurable goods	.5	.3	.2	–.3	.8	2.3	2.7	1.0
Retail trade	9.3	4.1	8.1	21.2	1.1	.6	8.3	3.3
Durable goods	6.9	1.9	9.1	14.6	–3.3	1.4	2.4	1.7
Motor vehicle dealers	4.6	–1.6	5.3	11.9	–5.3	–2.9	–4.0	–1.3
Other	2.3	3.5	3.9	2.7	2.0	4.2	6.4	2.9
Nondurable goods	2.4	2.3	–1.1	6.6	4.4	–.8	5.9	1.6
Other	7.0	5.0	3.8	2.5	4.3	15.2	9.8	6.4
Durable goods	4.6	2.3	.1	–.5	.8	2.1	1.8	2.6
Nondurable goods	2.3	2.6	3.7	2.9	3.4	13.0	8.0	3.7

NOTE.—Estimates for nonfarm industries other than manufacturing and trade for 1986 and earlier periods are based on the 1972 Standard Industrial Classification (SIC). Manufacturing estimates for 1981 and earlier periods and trade estimates for 1966 and and earlier periods are based on the 1972 SIC; later estimates for these industries are based on the 1987 SIC. The resulting discontinuities are small.

Table 5.11.—Real Change in Business Inventories by Industry

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Change in business inventories	**27.3**	**25.0**	**21.3**	**37.9**	**32.9**	**63.7**	**77.6**	**49.5**
Farm	–9.2	2.6	4.2	6.5	6.4	5.3	7.5	9.2
Nonfarm	35.7	22.5	17.3	31.6	26.5	58.3	70.1	40.6
Manufacturing	7.8	9.9	.6	14.3	12.3	20.9	29.0	16.9
Durable goods	5.5	9.7	4.6	13.8	6.6	12.3	18.2	12.1
Nondurable goods	2.3	.4	–3.7	.8	5.7	8.5	10.8	4.8
Wholesale trade	12.7	4.0	5.5	–5.0	9.4	22.9	24.6	14.7
Durable goods	11.3	2.4	3.9	4.5	–5.2	14.8	22.7	3.7
Nondurable goods	1.5	1.6	1.7	–9.0	13.9	8.1	2.3	10.7
Merchant wholesalers	10.6	3.2	4.4	–5.2	10.9	17.8	17.5	14.0
Durable goods	9.6	1.8	3.0	3.9	–3.0	11.8	17.9	4.0
Nondurable goods	1.1	1.3	1.5	–8.7	13.3	6.0	–.1	9.7
Nonmerchant wholesalers	2.1	.8	1.1	.3	–1.5	5.1	7.2	.7
Durable goods	1.6	.6	.9	.5	–2.3	3.0	4.8	–.3
Nondurable goods	.4	.3	.2	–.2	.6	2.1	2.5	1.0
Retail trade	8.8	4.0	7.8	20.0	.9	.6	7.7	3.1
Durable goods	6.3	1.7	8.3	13.3	–3.0	1.2	2.0	1.5
Motor vehicle dealers	4.1	–1.4	4.6	10.6	–4.7	–2.5	–3.7	–1.1
Other	2.2	3.3	3.6	2.5	1.8	3.9	5.9	2.7
Nondurable goods	2.3	2.3	–.8	6.5	4.1	–.7	5.8	1.6
Other	6.5	4.5	3.4	2.3	3.9	13.7	8.9	5.8
Durable goods	4.1	2.1	.1	–.4	.7	1.8	1.5	2.3
Nondurable goods	2.3	2.4	3.4	2.8	3.2	12.0	7.5	3.5
Residual	1.0	–.4	–.3	–.7	.5	.2	–1.0	0

NOTE.—Chained (1992) dollar series for real change in business inventories are calculated as the period-to-period change in chained-dollar end-of-period inventories. Quarterly changes in end-of-period inventories are stated at annual rates. 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 residual line is the difference between the first line and the sum of the most detailed lines. See note to table 5.10.

Table 5.12.—Inventories and Domestic Final Sales of Business by Industry

[Billions of dollars]

	Seasonally adjusted quarterly totals					
	1996			1997		
	II	III	IV	I	II	III
Inventories [1]	**1,276.9**	**1,287.1**	**1,294.5**	**1,306.1**	**1,318.1**	**1,333.5**
Farm	104.3	106.0	102.6	107.2	107.7	108.7
Nonfarm	1,172.6	1,181.2	1,191.9	1,198.9	1,210.4	1,224.8
Durable goods	667.1	675.6	675.2	684.4	693.2	697.1
Nondurable goods	505.5	505.5	516.7	514.5	517.2	527.8
Manufacturing	432.5	436.3	440.3	443.3	448.0	453.2
Durable goods	268.4	271.4	273.7	277.0	280.7	283.3
Nondurable goods	164.0	164.9	166.6	166.3	167.3	169.9
Wholesale trade	303.2	300.3	300.8	306.2	310.8	316.1
Durable goods	185.3	186.6	184.9	188.7	194.4	194.9
Nondurable goods	117.9	113.6	116.0	117.5	116.4	121.1
Merchant wholesalers	261.5	257.9	258.6	263.4	266.6	271.4
Durable goods	160.7	161.9	160.7	163.9	168.4	169.0
Nondurable goods	100.8	96.0	97.9	99.5	98.2	102.3
Nonmerchant wholesalers	41.7	42.4	42.3	42.8	44.2	44.7
Durable goods	24.6	24.8	24.1	24.9	26.1	25.9
Nondurable goods	17.1	17.6	18.1	17.9	18.2	18.8
Retail trade	306.0	312.5	313.0	313.3	313.2	314.8
Durable goods	164.9	168.8	167.7	168.7	167.7	168.0
Motor vehicle dealers	82.6	85.5	83.9	83.6	80.9	80.6
Other	82.4	83.3	83.9	85.1	86.7	87.4
Nondurable goods	141.1	143.6	145.3	144.6	145.6	146.8
Other	130.9	132.1	137.7	136.1	138.3	140.7
Durable goods	48.5	48.7	48.9	50.0	50.5	50.8
Nondurable goods	82.4	83.4	88.8	86.2	87.9	89.9
Final sales of domestic business [2]	**529.5**	**533.1**	**542.6**	**550.0**	**556.2**	**565.4**
Final sales of goods and structures of domestic business [2]	**285.2**	**285.9**	**289.9**	**294.1**	**296.1**	**301.1**
Ratio of inventories to final sales of domestic business						
Inventories to final sales	2.41	2.41	2.39	2.37	2.37	2.36
Nonfarm inventories to final sales	2.21	2.22	2.20	2.18	2.18	2.17
Nonfarm inventories to final sales of goods and structures	4.11	4.13	4.11	4.08	4.09	4.07

1. Inventories are as of the end of the quarter. The quarter-to-quarter change in inventories calculated from current-dollar inventories in this table is not the current-dollar change in business inventories (CBI) component of GDP. The former is the difference between two inventory stocks, each valued at their respective end-of-quarter prices. The latter is the change in the physical volume of inventories valued at average prices of the quarter. In addition, changes calculated from this table are at quarterly rates; whereas, CBI is stated at annual rates.

2. Quarterly totals at monthly rates. Final sales of domestic business equals final sales of domestic product less gross product of households and institutions and of general government and includes a small amount of final sales by farm.

Table 5.13.—Real Inventories and Real Domestic Final Sales of Business by Industry

[Billions of chained (1992) dollars]

	Seasonally adjusted quarterly totals					
	1996			1997		
	II	III	IV	I	II	III
Inventories [1]	**1,191.2**	**1,200.7**	**1,208.9**	**1,224.8**	**1,244.2**	**1,256.6**
Farm	99.3	100.9	102.5	103.8	105.7	108.0
Nonfarm	1,091.4	1,099.3	1,105.9	1,120.5	1,138.0	1,148.2
Durable goods	626.5	634.3	634.0	641.5	652.5	657.4
Nondurable goods	464.8	464.9	471.7	478.8	485.4	490.6
Manufacturing	403.0	406.6	409.7	414.9	422.1	426.4
Durable goods	255.9	259.3	260.9	264.0	268.6	271.6
Nondurable goods	147.3	147.5	148.9	151.1	153.8	155.0
Wholesale trade	281.3	280.1	282.4	288.1	294.3	298.0
Durable goods	178.1	179.2	177.9	181.6	187.3	188.2
Nondurable goods	103.3	101.1	104.6	106.6	107.2	109.9
Merchant wholesalers	241.4	240.1	242.8	247.3	251.7	255.2
Durable goods	154.1	155.1	154.3	157.3	161.8	162.8
Nondurable goods	87.5	85.3	88.6	90.1	90.1	92.5
Nonmerchant wholesalers	39.9	39.9	39.5	40.8	42.6	42.8
Durable goods	24.0	24.2	23.6	24.3	25.5	25.5
Nondurable goods	15.9	15.8	16.0	16.5	17.1	17.3
Retail trade	287.4	292.4	292.7	292.8	294.7	295.5
Durable goods	149.8	153.2	152.4	152.7	153.2	153.6
Motor vehicle dealers	73.0	75.7	74.5	73.9	73.0	72.7
Other	76.9	77.5	78.0	79.0	80.4	81.1
Nondurable goods	137.3	138.9	140.0	139.8	141.2	141.6
Other	119.5	120.1	121.1	124.5	126.7	128.2
Durable goods	42.4	42.3	42.5	42.9	43.3	43.9
Nondurable goods	77.0	77.7	78.4	81.4	83.3	84.2
Residual	.6	.5	.7	.7	.4	.4
Final sales of domestic business [2]	**484.5**	**484.7**	**491.1**	**495.1**	**498.5**	**505.2**
Final sales of goods and structures of domestic business [2]	**268.4**	**268.2**	**271.8**	**274.5**	**275.6**	**280.1**
Ratio of inventories to final sales of domestic business						
Inventories to final sales	2.46	2.48	2.46	2.47	2.50	2.49
Nonfarm inventories to final sales	2.25	2.27	2.25	2.26	2.28	2.27
Nonfarm inventories to final sales of goods and structures	4.07	4.10	4.07	4.08	4.13	4.10

1. Inventories are as of the end of the quarter. Quarter-to-quarter changes calculated from this table are at quarterly rates, whereas, the change in the business inventories component of GDP is stated at annual rates.

2. Quarterly totals at monthly rates. Final sales of domestic business equals final sales of domestic product less gross product of households and institutions and of general government and includes a small amount of final sales by farm.

NOTE.—Chained (1992) dollar inventory series are calculated as the product of the chain-type quantity index and the average of the end-of-year fixed-weighted inventories for 1991 and 1992, divided by 100. Chained (1992) dollar final sales series are calculated as the product of the chain-type index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines for inventories.

6. Income and Employment by Industry

Table 6.1C.—National Income Without Capital Consumption Adjustment by Industry

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
National income without capital consumption adjustment	**5,888.4**	**6,219.6**	**6,193.7**	**6,267.7**	**6,340.4**	**6,470.8**	**6,557.3**	**6,647.3**
Domestic industries	**5,883.2**	**6,217.9**	**6,190.9**	**6,274.7**	**6,337.3**	**6,485.1**	**6,578.0**	**6,681.9**
Private industries	**5,057.8**	**5,362.6**	**5,339.1**	**5,415.0**	**5,472.0**	**5,608.9**	**5,696.1**	**5,792.3**
Agriculture, forestry, and fishing	88.2	105.6	104.8	109.0	109.6	110.8	115.5	.....
Mining	45.0	46.9	47.8	46.9	45.0	48.2	49.2	.....
Construction	266.7	285.2	283.3	286.9	291.4	298.2	302.2	.....
Manufacturing	1,069.2	1,110.1	1,110.7	1,120.8	1,122.1	1,134.6	1,160.5	.....
Durable goods	608.2	634.5	636.2	642.7	639.4	651.0	669.7	.....
Nondurable goods	461.0	475.6	474.5	478.1	482.8	483.6	490.8	.....
Transportation and public utilities	440.7	456.7	460.8	459.3	457.3	467.1	471.5	.....
Transportation	184.4	191.0	191.3	194.6	192.3	199.6	203.0	.....
Communications	128.5	135.0	137.0	137.0	133.1	135.5	135.2	.....
Electric, gas, and sanitary services	127.8	130.8	132.6	127.7	131.9	132.0	133.3	.....
Wholesale trade	325.4	349.1	340.0	350.6	364.8	372.4	379.3	.....
Retail trade	480.1	503.7	503.9	506.8	512.3	527.7	533.0	.....
Finance, insurance, and real estate	1,024.4	1,095.3	1,091.2	1,111.5	1,116.5	1,168.9	1,185.0	.....
Services	1,318.1	1,410.1	1,396.6	1,423.2	1,452.9	1,481.1	1,500.1	.....
Government	**825.3**	**855.3**	**851.8**	**859.7**	**865.2**	**876.2**	**881.9**	**889.6**
Rest of the world	**5.2**	**1.7**	**2.8**	**–7.0**	**3.1**	**–14.3**	**–20.7**	**–34.6**

Table 6.16C.—Corporate Profits by Industry

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Corporate profits with inventory valuation and capital consumption adjustments	**650.0**	**735.9**	**738.5**	**739.6**	**747.8**	**779.6**	**795.1**	**816.2**
Domestic industries	**563.2**	**640.0**	**645.2**	**647.8**	**640.3**	**682.2**	**694.4**	**726.8**
Financial	88.7	94.2	102.4	94.6	78.5	106.8	107.7	108.9
Nonfinancial	474.6	545.8	542.8	553.3	561.7	575.4	586.7	617.9
Rest of the world	**86.7**	**95.9**	**93.3**	**91.8**	**107.5**	**97.4**	**100.8**	**89.4**
Receipts from the rest of the world	120.2	132.7	128.9	133.4	142.6	139.9	148.3	141.2
Less: Payments to the rest of the world	33.5	36.7	35.7	41.6	35.0	42.5	47.5	51.8
Corporate profits with inventory valuation adjustment	**598.4**	**674.1**	**676.8**	**676.4**	**683.4**	**711.9**	**725.7**	**745.8**
Domestic industries	**511.7**	**578.2**	**583.5**	**584.6**	**575.8**	**614.5**	**624.9**	**656.4**
Financial	97.6	103.5	111.5	104.0	88.1	116.5	117.5	119.0
Federal Reserve banks	22.2	22.0	21.9	22.0	22.3	22.8	23.2	23.7
Other	75.4	81.5	89.6	82.0	65.8	93.7	94.3	95.3
Nonfinancial	414.1	474.7	472.0	480.7	487.8	498.0	507.4	537.4
Manufacturing	181.3	205.5	204.8	210.5	209.7	208.2	221.0	.....
Durable goods	85.2	99.0	98.9	102.9	99.7	101.3	111.8	.....
Primary metal industries	6.5	5.6	4.4	7.0	5.1	3.9	5.6	.....
Fabricated metal products	12.4	17.1	16.2	18.0	18.1	17.4	18.4	.....
Industrial machinery and equipment	22.0	25.8	25.9	25.6	24.6	24.0	27.8	.....
Electronic and other electric equipment	19.2	23.9	21.7	25.2	29.6	31.4	33.3	.....
Motor vehicles and equipment	–.2	–3.2	–.1	–1.5	–8.3	–1.3	–3.5	.....
Other	25.3	29.8	30.8	28.6	30.6	25.9	30.2	.....
Nondurable goods	96.0	106.5	105.8	107.7	109.9	106.9	109.2	.....
Food and kindred products	27.1	28.5	23.8	28.8	34.2	28.0	28.2	.....
Chemicals and allied products	30.3	31.2	32.4	31.5	28.9	28.8	29.9	.....
Petroleum and coal products	6.0	10.0	12.8	10.0	11.9	12.4	10.3	.....
Other	32.6	36.8	36.9	37.3	34.9	37.7	40.8	.....
Transportation and public utilities	86.4	91.7	96.0	91.2	90.5	91.5	89.6	.....
Transportation	11.4	11.7	12.5	13.0	11.4	14.9	16.4	.....
Communications	33.6	36.0	37.3	37.6	34.8	33.8	30.8	.....
Electric, gas, and sanitary services	41.4	44.0	46.2	40.6	44.3	42.8	42.4	.....
Wholesale trade	26.9	38.3	30.8	37.7	47.4	49.0	49.5	.....
Retail trade	41.9	48.9	50.6	50.6	48.3	55.1	54.9	.....
Other	77.6	90.3	89.7	90.6	91.9	94.2	92.4	.....
Rest of the world	**86.7**	**95.9**	**93.3**	**91.8**	**107.5**	**97.4**	**100.8**	**89.4**

NOTE.— Estimates in this table are based on the 1987 Standard Industrial Classification.

7. Quantity and Price Indexes

Table 7.1.—Quantity and Price Indexes for Gross Domestic Product

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product:								
Current dollars	116.35	122.29	121.83	122.93	124.80	127.05	128.66	130.18
Chain-type quantity index	107.97	110.95	110.92	111.20	112.38	113.73	114.66	115.59
Chain-type price index	107.76	110.22	109.86	110.59	111.10	111.78	112.27	112.68
Implicit price deflator	107.76	110.21	109.84	110.54	111.05	111.71	112.22	112.62
Personal consumption expenditures:								
Current dollars	117.49	123.41	122.97	123.88	125.79	128.10	128.73	131.07
Chain-type quantity index	108.90	111.71	111.67	111.81	112.72	114.18	114.45	116.07
Chain-type price index	107.89	110.47	110.13	110.80	111.61	112.21	112.49	112.93
Implicit price deflator	107.89	110.47	110.12	110.79	111.60	112.20	112.48	112.92
Durable goods:								
Current dollars	124.57	129.88	130.72	129.87	130.64	134.77	131.92	136.55
Chain-type quantity index	119.46	125.09	125.84	125.25	126.32	130.55	128.75	134.26
Chain-type price index	104.27	103.83	103.89	103.72	103.45	103.27	102.50	101.75
Implicit price deflator	104.27	103.83	103.88	103.69	103.41	103.24	102.46	101.71
Nondurable goods:								
Current dollars	111.65	116.11	115.92	116.38	118.03	120.09	119.45	121.14
Chain-type quantity index	106.86	108.36	108.30	108.48	109.03	110.29	109.70	110.90
Chain-type price index	104.48	107.15	107.04	107.29	108.26	108.90	108.89	109.24
Implicit price deflator	104.48	107.15	107.03	107.28	108.25	108.89	108.88	109.23
Services:								
Current dollars	119.25	126.10	125.27	126.78	129.07	131.15	133.17	135.40
Chain-type quantity index	107.89	110.86	110.67	110.93	111.99	113.05	114.13	115.28
Chain-type price index	110.53	113.76	113.20	114.29	115.26	116.02	116.70	117.47
Implicit price deflator	110.53	113.76	113.19	114.28	115.25	116.01	116.69	117.45
Gross private domestic investment:								
Current dollars	131.34	141.26	139.85	145.38	145.63	151.01	157.12	158.12
Chain-type quantity index	125.44	135.26	134.00	139.21	139.77	145.39	151.45	152.51
Chain-type price index	104.71	104.50	104.31	104.63	104.50	104.23	104.07	104.01
Implicit price deflator	104.70	104.43	104.36	104.44	104.19	103.86	103.75	103.68
Fixed investment:								
Current dollars	128.67	139.22	138.11	141.94	142.86	143.91	148.17	153.04
Chain-type quantity index	122.81	132.97	132.20	135.42	136.41	137.73	141.86	146.56
Chain-type price index	104.78	104.70	104.50	104.85	104.75	104.52	104.47	104.44
Implicit price deflator	104.77	104.70	104.47	104.82	104.73	104.49	104.45	104.42
Nonresidential:								
Current dollars	129.60	140.07	137.90	143.15	144.69	145.43	149.90	155.88
Chain-type quantity index	126.65	138.33	136.19	141.48	143.54	145.00	150.03	156.41
Chain-type price index	102.33	101.26	101.29	101.21	100.82	100.31	99.93	99.69
Implicit price deflator	102.33	101.26	101.26	101.18	100.80	100.29	99.91	99.67
Structures:								
Current dollars	118.57	127.22	124.47	128.66	134.16	134.40	134.05	136.32
Chain-type quantity index	106.35	111.51	109.68	112.32	116.40	115.79	114.39	115.31
Chain-type price index	111.49	114.09	113.50	114.58	115.30	116.11	117.23	118.26
Implicit price deflator	111.49	114.09	113.48	114.55	115.26	116.07	117.19	118.22
Producers' durable equipment:								
Current dollars	134.40	145.67	143.74	149.45	149.27	150.23	156.80	164.40
Chain-type quantity index	135.91	150.77	148.48	155.10	156.09	158.63	167.05	176.30
Chain-type price index	98.89	96.62	96.84	96.38	95.65	94.72	93.88	93.26
Implicit price deflator	98.89	96.62	96.81	96.36	95.63	94.70	93.86	93.25
Residential:								
Current dollars	126.39	137.10	138.64	138.97	138.33	140.16	143.90	145.99
Chain-type quantity index	113.94	120.64	122.91	121.51	120.18	121.17	123.36	124.49
Chain-type price index	110.93	113.64	112.80	114.37	115.10	115.68	116.65	117.28
Implicit price deflator	110.93	113.64	112.80	114.36	115.10	115.68	116.65	117.27

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Exports of goods and services:								
Current dollars	128.00	136.19	135.27	135.07	141.48	144.22	150.18	151.06
Chain-type quantity index	123.74	134.03	132.53	133.15	140.92	144.30	150.53	152.13
Chain-type price index	103.44	101.61	102.14	101.47	100.35	99.90	99.72	99.25
Implicit price deflator	103.44	101.61	102.07	101.44	100.39	99.95	99.77	99.30
Exports of goods:								
Current dollars	130.13	137.63	136.82	135.89	142.75	146.26	153.78	154.15
Chain-type quantity index	127.91	140.05	138.00	138.85	148.48	152.94	161.76	163.27
Chain-type price index	101.74	98.27	99.24	97.89	96.06	95.55	94.99	94.33
Implicit price deflator	101.74	98.27	99.14	97.86	96.14	95.63	95.07	94.41
Exports of services:								
Current dollars	122.97	132.81	131.64	133.14	138.49	139.43	141.70	143.80
Chain-type quantity index	114.27	120.51	120.19	120.28	124.14	125.27	126.25	128.01
Chain-type price index	107.61	110.21	109.53	110.70	111.55	111.29	112.23	112.32
Implicit price deflator	107.61	110.21	109.53	110.70	111.56	111.30	112.24	112.34
Imports of goods and services:								
Current dollars	135.20	144.36	143.32	146.14	148.47	152.63	156.81	160.86
Chain-type quantity index	133.05	145.22	143.51	148.03	150.48	156.80	164.30	169.77
Chain-type price index	101.62	99.41	99.83	98.76	98.75	97.42	95.52	94.84
Implicit price deflator	101.62	99.40	99.87	98.73	98.66	97.34	95.44	94.76
Imports of goods:								
Current dollars	139.04	148.49	147.37	150.53	153.18	157.07	161.53	166.01
Chain-type quantity index	137.50	151.06	148.97	154.49	157.37	163.58	172.24	178.30
Chain-type price index	101.12	98.30	98.88	97.47	97.42	96.11	93.87	93.19
Implicit price deflator	101.12	98.29	98.92	97.44	97.34	96.02	93.78	93.10
Imports of services:								
Current dollars	118.38	126.23	125.55	126.89	127.76	133.13	136.09	138.28
Chain-type quantity index	113.82	120.06	119.94	120.29	120.90	127.64	130.41	133.41
Chain-type price index	104.01	105.13	104.68	105.50	105.69	104.31	104.37	103.66
Implicit price deflator	104.01	105.13	104.68	105.49	105.68	104.30	104.36	103.65
Government consumption expenditures and gross investment:								
Current dollars	107.26	111.31	111.33	111.84	112.54	113.40	114.66	115.41
Chain-type quantity index	99.06	99.54	100.10	99.83	99.85	99.74	100.50	100.78
Chain-type price index	108.28	111.83	111.23	112.07	112.76	113.74	114.14	114.57
Implicit price deflator	108.28	111.83	111.22	112.04	112.71	113.69	114.09	114.52
Federal:								
Current dollars	96.51	98.49	99.37	98.79	98.03	97.75	99.64	99.59
Chain-type quantity index	89.08	87.92	89.15	88.21	87.04	85.76	87.14	86.92
Chain-type price index	108.34	112.03	111.47	112.05	112.74	114.10	114.46	114.70
Implicit price deflator	108.34	112.02	111.46	111.99	112.62	113.98	114.34	114.57
National defense:								
Current dollars	91.70	93.87	95.09	94.41	93.29	91.37	93.29	93.74
Chain-type quantity index	85.84	84.56	86.01	85.00	83.44	80.86	82.33	82.59
Chain-type price index	106.83	111.02	110.58	111.16	111.94	113.14	113.46	113.64
Implicit price deflator	106.83	111.02	110.56	111.07	111.80	112.99	113.31	113.49
Nondefense:								
Current dollars	108.39	109.90	109.93	109.58	109.72	113.52	115.31	114.05
Chain-type quantity index	96.88	96.01	96.72	95.93	95.69	97.54	98.71	97.34
Chain-type price index	111.88	114.47	113.63	114.25	114.72	116.44	116.87	117.23
Implicit price deflator	111.88	114.47	113.66	114.23	114.66	116.39	116.82	117.17
State and local:								
Current dollars	114.97	120.51	119.92	121.22	122.96	124.63	125.44	126.77
Chain-type quantity index	106.23	107.88	107.97	108.17	109.04	109.78	110.10	110.73
Chain-type price index	108.24	111.71	111.08	112.07	112.77	113.54	113.95	114.50
Implicit price deflator	108.24	111.71	111.07	112.07	112.76	113.52	113.94	114.48

NOTE.— Chain-type quantity and price indexes are calculated from weighted averages of the detailed output and prices used to prepare each aggregate and component. Implicit price deflators are weighted averages of the detailed price indexes used to prepare each aggregate and component and are calculated as the ratio of current- to chained-dollar output multiplied by 100.

Percent changes from preceding period for items in this table are shown in table 8.1.

Table 7.2.—Quantity and Price Indexes for Gross Domestic Product, Final Sales, and Purchases

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product:								
Current dollars	116.35	122.29	121.83	122.93	124.80	127.05	128.66	130.18
Chain-type quantity index	107.97	110.95	110.92	111.20	112.38	113.73	114.66	115.59
Chain-type price index	107.76	110.22	109.86	110.59	111.10	111.78	112.27	112.68
Implicit price deflator	107.76	110.21	109.84	110.54	111.05	111.71	112.22	112.62
Final sales of domestic product:								
Current dollars	116.00	122.01	121.59	122.47	124.43	126.13	127.51	129.51
Chain-type quantity index	107.62	110.64	110.66	110.70	111.93	112.77	113.47	114.83
Chain-type price index	107.79	110.28	109.91	110.65	111.17	111.85	112.37	112.79
Implicit price deflator	107.79	110.28	109.88	110.63	111.16	111.85	112.37	112.79
Gross domestic purchases:								
Current dollars	117.17	123.22	122.75	124.16	125.62	128.03	129.47	131.32
Chain-type quantity index	108.98	112.17	112.11	112.77	113.46	115.09	116.14	117.43
Chain-type price index	107.52	109.86	109.50	110.15	110.79	111.32	111.55	111.91
Implicit price deflator	107.52	109.85	109.49	110.10	110.72	111.24	111.48	111.83
Final sales to domestic purchasers:								
Current dollars	116.82	122.95	122.52	123.71	125.25	127.11	128.32	130.66
Chain-type quantity index	108.63	111.86	111.86	112.28	113.02	114.14	114.96	116.67
Chain-type price index	107.54	109.91	109.54	110.20	110.85	111.39	111.65	112.01
Implicit price deflator	107.54	109.91	109.53	110.18	110.83	111.37	111.62	111.99
Addenda:								
Chain-type price indexes for gross domestic purchases:								
Food	106.38	109.42	108.76	109.98	111.02	111.35	111.79	112.67
Energy	101.92	107.01	107.91	106.72	109.23	110.89	105.91	106.14
Gross domestic purchases less food and energy	107.93	110.06	109.67	110.34	110.86	111.36	111.81	112.11

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.3.—Quantity and Price Indexes for Gross National Product and Command-Basis Gross National Product

[Index numbers, 1992=100]

Gross national product:								
Current dollars	116.23	122.10	121.66	122.60	124.63	126.60	128.10	129.39
Chain-type quantity index	107.88	110.81	110.78	110.95	112.27	113.37	114.21	114.95
Chain-type price index	107.74	110.19	109.83	110.55	111.06	111.73	112.22	112.63
Implicit price deflator	107.73	110.18	109.82	110.50	111.01	111.67	112.17	112.57
Less: Exports of goods and services and receipts of factor income:								
Chain-type quantity index	128.61	137.88	135.83	137.24	145.06	147.60	154.24	154.86
Plus: Command-basis exports of goods and services and receipts of factor income:								
Chain-type quantity index	130.43	140.35	138.30	140.23	147.07	150.74	159.72	160.64
Equals: Command-basis gross national product:								
Chain-type quantity index	108.11	111.12	111.09	111.32	112.52	113.76	114.89	115.67

NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.4.—Chain-Type Quantity and Price Indexes for Personal Consumption Expenditures by Major Type of Product

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Chain-type quantity indexes								
Personal consumption expenditures	**108.90**	**111.71**	**111.67**	**111.81**	**112.72**	**114.18**	**114.45**	**116.07**
Durable goods	**119.46**	**125.09**	**125.84**	**125.25**	**126.32**	**130.55**	**128.75**	**134.26**
Motor vehicles and parts	110.96	111.82	113.23	111.06	110.19	112.83	107.82	115.05
Furniture and household equipment	131.20	142.35	142.54	143.80	146.18	151.75	154.35	159.23
Other	116.10	122.72	122.87	122.66	125.98	131.48	129.70	132.00
Nondurable goods	**106.86**	**108.36**	**108.30**	**108.48**	**109.03**	**110.29**	**109.70**	**110.90**
Food	104.63	104.51	104.59	104.14	104.39	105.25	104.28	104.50
Clothing and shoes	114.19	118.70	118.99	120.09	119.73	122.88	121.39	124.80
Gasoline and oil	106.12	107.02	107.43	107.01	107.69	107.56	108.95	109.38
Fuel oil and coal	96.27	97.19	95.34	96.86	94.75	86.25	92.53	95.46
Other	107.06	110.16	109.50	110.55	112.37	114.07	113.98	116.02
Services	**107.89**	**110.86**	**110.67**	**110.93**	**111.99**	**113.05**	**114.13**	**115.28**
Housing	106.40	108.25	108.02	108.48	108.97	109.52	110.09	110.64
Household operation	113.97	116.65	117.64	115.15	117.51	116.02	118.51	119.26
Electricity and gas	107.93	110.55	112.32	107.74	110.47	106.82	110.55	108.89
Other household operation	118.44	121.17	121.60	120.61	122.71	122.79	124.38	126.86
Transportation	117.16	123.11	122.64	123.64	124.64	126.10	127.14	128.96
Medical care	104.38	106.42	106.11	106.67	107.81	108.93	109.61	110.79
Other	108.37	112.64	112.27	112.84	113.91	116.15	117.59	119.22
Chain-type price indexes								
Personal consumption expenditures	**107.89**	**110.47**	**110.13**	**110.80**	**111.61**	**112.21**	**112.49**	**112.93**
Durable goods	**104.27**	**103.83**	**103.89**	**103.72**	**103.45**	**103.27**	**102.50**	**101.75**
Motor vehicles and parts	110.99	112.95	112.70	113.15	113.55	113.84	113.26	112.55
Furniture and household equipment	96.67	93.71	94.04	93.38	92.50	91.84	90.84	89.68
Other	106.04	106.48	106.53	106.26	106.14	106.22	105.64	105.85
Nondurable goods	**104.48**	**107.15**	**107.04**	**107.29**	**108.26**	**108.90**	**108.89**	**109.24**
Food	106.46	109.63	108.98	110.20	111.27	111.65	112.09	113.02
Clothing and shoes	98.90	98.75	99.00	98.08	98.56	99.29	100.37	99.68
Gasoline and oil	101.16	107.44	109.77	106.47	109.83	112.13	104.77	106.32
Fuel oil and coal	97.23	108.92	108.68	105.69	116.17	116.49	108.78	104.55
Other	105.86	108.22	108.09	108.57	108.67	109.21	110.08	109.87
Services	**110.53**	**113.76**	**113.20**	**114.29**	**115.26**	**116.02**	**116.70**	**117.47**
Housing	109.02	112.43	112.00	112.85	113.60	114.42	115.34	116.25
Household operation	106.28	109.08	108.73	109.63	110.32	111.37	111.05	111.16
Electricity and gas	103.92	106.35	105.87	106.92	107.73	109.66	107.98	108.16
Other household operation	107.97	111.01	110.75	111.55	112.16	112.63	113.21	113.28
Transportation	109.68	112.22	111.76	112.43	114.15	114.88	116.14	116.61
Medical care	114.50	117.43	117.07	117.72	118.62	119.41	119.88	120.52
Other	110.07	113.69	112.76	114.63	115.76	116.33	117.20	118.25
Addenda:								
Price indexes for personal consumption expenditures:								
Food	106.46	109.63	108.98	110.20	111.27	111.65	112.09	113.02
Energy [1]	102.30	106.96	107.82	106.63	109.07	111.11	106.47	107.12
Personal consumption expenditures less food and energy	108.54	110.88	110.52	111.21	111.87	112.41	112.97	113.32

1. Consists of prices for gasoline and oil, fuel oil and coal, and electricity and gas.

Table 7.6.—Chain-Type Quantity and Price Indexes for Private Fixed Investment by Type

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Chain-type quantity indexes								
Private fixed investment	**122.81**	**132.97**	**132.20**	**135.42**	**136.41**	**137.73**	**141.86**	**146.56**
Nonresidential	**126.65**	**138.33**	**136.19**	**141.48**	**143.54**	**145.00**	**150.03**	**156.41**
Structures	**106.35**	**111.51**	**109.68**	**112.32**	**116.40**	**115.79**	**114.39**	**115.31**
Nonresidential buildings, including farm	113.81	123.67	121.08	125.22	131.15	132.58	129.98	131.29
Utilities	86.99	84.83	84.43	83.23	85.66	79.80	83.07	81.10
Mining exploration, shafts, and wells	107.86	104.18	104.36	106.20	103.54	102.45	97.40	100.82
Other structures	81.72	66.68	66.10	65.30	61.90	55.98	57.50	61.22
Producers' durable equipment	**135.91**	**150.77**	**148.48**	**155.10**	**156.09**	**158.63**	**167.05**	**176.30**
Information processing and related equipment	150.40	188.61	182.43	196.97	201.54	209.70	221.31	239.41
Computers and peripheral equipment [1]	233.89	365.81	345.83	386.78	414.95	445.54	491.73	548.19
Other	118.57	128.90	126.35	133.29	132.21	134.66	137.85	146.13
Industrial equipment	126.96	131.01	133.01	131.64	130.91	130.81	138.25	140.70
Transportation and related equipment	137.98	145.10	141.33	150.25	150.54	147.92	157.79	170.04
Other	122.68	127.58	126.68	130.11	129.66	134.23	138.07	141.49
Residential	**113.94**	**120.64**	**122.91**	**121.51**	**120.18**	**121.17**	**123.36**	**124.49**
Structures	**113.91**	**120.71**	**123.01**	**121.59**	**120.21**	**121.13**	**123.35**	**124.47**
Single family	108.94	117.22	118.96	118.73	116.95	116.95	117.14	117.28
Multifamily	129.13	142.27	153.96	133.41	137.49	149.84	156.03	147.98
Other structures	118.66	122.54	124.26	123.96	122.33	122.86	127.25	130.99
Producers' durable equipment	**115.09**	**118.12**	**119.04**	**118.83**	**119.28**	**122.83**	**123.91**	**125.62**
Chain-type price indexes								
Private fixed investment	**104.78**	**104.70**	**104.50**	**104.85**	**104.75**	**104.52**	**104.47**	**104.44**
Nonresidential	**102.33**	**101.26**	**101.29**	**101.21**	**100.82**	**100.31**	**99.93**	**99.69**
Structures	**111.49**	**114.09**	**113.50**	**114.58**	**115.30**	**116.11**	**117.23**	**118.26**
Nonresidential buildings, including farm	111.62	114.14	113.52	114.72	115.38	116.02	117.03	118.10
Utilities	110.79	113.70	113.07	113.75	115.29	116.17	117.45	118.41
Mining exploration, shafts, and wells	113.66	115.89	115.59	116.56	116.21	118.47	120.25	121.25
Other structures	108.30	112.33	111.93	112.46	113.43	114.82	116.51	116.95
Producers' durable equipment	**98.89**	**96.62**	**96.84**	**96.38**	**95.65**	**94.72**	**93.88**	**93.26**
Information processing and related equipment	85.64	77.09	77.91	76.06	74.05	72.06	70.16	68.47
Computers and peripheral equipment [1]	63.84	48.98	50.11	47.21	44.10	41.47	38.81	36.39
Other	100.21	100.04	100.10	100.02	100.07	99.65	99.67	99.95
Industrial equipment	107.12	108.96	108.75	109.06	109.41	109.34	109.23	109.46
Transportation and related equipment	105.71	107.56	107.40	108.18	108.03	108.09	108.22	108.97
Other	105.64	108.24	107.74	108.46	109.20	109.05	109.16	108.95
Residential	**110.93**	**113.64**	**112.80**	**114.37**	**115.10**	**115.68**	**116.65**	**117.28**
Structures	**111.12**	**113.88**	**113.03**	**114.62**	**115.36**	**115.94**	**116.96**	**117.61**
Single family	114.40	116.50	115.61	117.27	117.84	118.15	119.05	119.78
Multifamily	105.80	109.10	107.85	110.17	111.69	111.87	112.73	113.42
Other structures	107.56	111.02	110.31	111.68	112.50	113.47	114.66	115.22
Producers' durable equipment	**103.91**	**104.84**	**104.22**	**104.94**	**105.59**	**106.27**	**105.27**	**104.89**

1. Includes new computers and peripheral equipment only.

Table 7.9.—Chain-Type Quantity and Price Indexes for Exports and Imports of Goods and Services and for Receipts and Payments of Factor Income

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Chain-type quantity indexes								
Exports of goods and services	**123.74**	**134.03**	**132.53**	**133.15**	**140.92**	**144.30**	**150.53**	**152.13**
Goods [1]	127.91	140.05	138.00	138.85	148.48	152.94	161.76	163.27
Durable	136.66	153.97	152.58	153.17	164.19	171.81	184.74	186.20
Nondurable	111.02	114.40	111.30	112.57	119.77	119.12	121.23	122.76
Services [1]	114.27	120.51	120.19	120.28	124.14	125.27	126.25	128.01
Receipts of factor income	**150.59**	**155.36**	**150.91**	**155.79**	**163.87**	**162.90**	**171.33**	**167.89**
Imports of goods and services	**133.05**	**145.22**	**143.51**	**148.03**	**150.48**	**156.80**	**164.30**	**169.77**
Goods [1]	137.50	151.06	148.97	154.49	157.37	163.58	172.24	178.30
Durable	147.71	164.50	161.60	168.17	172.22	182.08	190.72	198.48
Nondurable	119.57	127.78	126.96	130.74	131.83	132.70	141.15	144.61
Services [1]	113.82	120.06	119.94	120.29	120.90	127.64	130.41	133.41
Payments of factor income	**158.25**	**165.78**	**160.60**	**171.97**	**173.34**	**184.53**	**197.73**	**203.44**
Chain-type price indexes								
Exports of goods and services	**103.44**	**101.61**	**102.14**	**101.47**	**100.35**	**99.90**	**99.72**	**99.25**
Goods [1]	101.74	98.27	99.24	97.89	96.06	95.55	94.99	94.33
Durable	95.89	90.93	91.57	90.21	88.77	88.13	87.43	86.68
Nondurable	115.55	116.09	117.87	116.61	113.78	113.67	113.55	113.23
Services [1]	107.61	110.21	109.53	110.70	111.55	111.29	112.23	112.32
Receipts of factor income	**107.28**	**109.36**	**109.11**	**109.56**	**110.08**	**110.49**	**110.73**	**111.08**
Imports of goods and services	**101.62**	**99.41**	**99.83**	**98.76**	**98.75**	**97.42**	**95.52**	**94.84**
Goods [1]	101.12	98.30	98.88	97.47	97.42	96.11	93.87	93.19
Durable	99.71	93.63	94.54	92.74	90.73	89.31	88.36	87.61
Nondurable	104.24	108.65	108.49	107.94	112.34	111.27	105.99	105.49
Services [1]	104.01	105.13	104.68	105.50	105.69	104.31	104.37	103.66
Payments of factor income	**108.39**	**110.63**	**110.14**	**111.14**	**111.81**	**112.24**	**112.65**	**113.14**

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

Table 7.10.—Chain-Type Quantity and Price Indexes for Exports and Imports of Goods and Services by Major Type of Product

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Chain-type quantity indexes								
Exports of goods and services	**123.74**	**134.03**	**132.53**	**133.15**	**140.92**	**144.30**	**150.53**	**152.13**
Exports of goods [1]	**127.91**	**140.05**	**138.00**	**138.85**	**148.48**	**152.94**	**161.76**	**163.27**
Foods, feeds, and beverages	110.26	109.04	102.23	106.22	117.01	107.05	101.39	105.84
Industrial supplies and materials	110.83	116.02	114.10	115.44	120.53	121.51	127.10	128.02
Durable goods	114.81	121.61	121.24	123.20	125.69	127.44	133.28	132.86
Nondurable goods	108.73	113.07	110.34	111.36	117.81	118.39	123.86	125.46
Capital goods, except automotive	149.65	176.29	174.12	173.67	191.52	202.24	220.74	225.03
Civilian aircraft, engines, and parts	63.20	71.59	77.89	61.81	84.26	89.29	102.57	80.98
Computers, peripherals, and parts	231.13	337.98	326.95	348.56	371.25	425.35	495.59	557.48
Other	164.91	185.57	181.01	184.71	198.17	205.08	217.82	227.91
Automotive vehicles, engines, and parts	127.48	132.62	131.08	135.07	136.33	143.80	148.52	148.07
Consumer goods, except automotive	121.74	130.81	130.46	129.26	135.65	139.66	146.32	142.46
Durable goods	121.60	131.21	130.61	129.81	138.38	138.59	149.53	144.52
Nondurable goods	121.88	130.37	130.29	128.68	132.80	140.75	142.95	140.28
Other	105.54	109.60	111.59	109.92	114.59	122.19	131.33	130.52
Durable goods	105.54	109.60	111.59	109.92	114.60	122.20	131.33	130.52
Nondurable goods	105.54	109.60	111.59	109.92	114.59	122.19	131.33	130.52
Exports of services [1]	**114.27**	**120.51**	**120.19**	**120.28**	**124.14**	**125.27**	**126.25**	**128.01**
Transfers under U.S. military agency sales contracts	106.35	111.75	123.19	106.13	124.35	101.68	115.54	112.80
Travel	108.03	114.43	114.19	114.82	117.69	119.26	115.75	118.62
Passenger fares	104.80	112.61	110.22	114.88	113.35	124.53	116.59	120.24
Other transportation	112.34	108.78	109.20	107.32	112.55	111.72	114.98	116.51
Royalties and license fees	127.45	136.87	134.45	136.63	139.76	139.78	143.74	140.86
Other private services	123.89	134.38	132.59	134.48	139.03	143.25	147.40	150.62
Other	107.56	109.14	108.54	108.48	108.73	109.21	109.45	110.18
Imports of goods and services	**133.05**	**145.22**	**143.51**	**148.03**	**150.48**	**156.80**	**164.30**	**169.77**
Imports of goods [1]	**137.50**	**151.06**	**148.97**	**154.49**	**157.37**	**163.58**	**172.24**	**178.30**
Foods, feeds, and beverages	106.18	116.82	115.13	117.84	120.16	123.78	127.97	131.03
Industrial supplies and materials, except petroleum and products	131.03	138.73	136.90	142.02	142.95	143.73	149.80	152.38
Durable goods	136.74	146.42	145.81	150.17	150.97	150.80	157.53	158.73
Nondurable goods	125.75	131.63	128.68	134.50	135.54	137.18	142.64	146.56
Petroleum and products	114.94	123.72	127.68	130.93	123.98	120.50	132.12	133.70
Capital goods, except automotive	183.62	219.36	211.66	222.42	238.05	253.47	275.14	292.73
Civilian aircraft, engines, and parts	78.27	88.71	89.74	90.58	96.77	92.67	105.06	126.39
Computers, peripherals, and parts	279.82	373.29	361.15	383.34	410.89	455.71	521.20	579.49
Other	171.61	197.41	189.44	199.06	213.17	225.32	238.34	245.72
Automotive vehicles, engines, and parts	125.02	129.38	129.70	134.07	129.32	142.67	138.97	143.62
Consumer goods, except automotive	126.45	134.78	131.95	136.62	141.81	143.88	152.92	155.49
Durable goods	126.97	135.52	133.23	138.66	140.82	143.19	151.76	153.40
Nondurable goods	125.87	133.96	130.57	134.41	142.86	144.62	154.15	157.72
Other	116.01	124.65	124.73	125.92	127.07	133.79	143.13	151.22
Durable goods	116.01	124.65	124.73	125.92	127.07	133.79	143.13	151.22
Nondurable goods	116.01	124.65	124.73	125.92	127.07	133.79	143.13	151.22
Imports of services [1]	**113.82**	**120.06**	**119.94**	**120.29**	**120.90**	**127.64**	**130.41**	**133.41**
Direct defense expenditures	65.58	72.71	74.32	74.42	72.34	79.33	81.05	84.26
Travel	111.65	115.75	116.07	111.42	115.97	127.31	129.34	131.45
Passenger fares	131.23	141.57	142.04	142.09	143.35	149.12	144.58	147.80
Other transportation	109.77	108.20	110.62	109.77	107.70	110.16	113.41	114.91
Royalties and license fees	119.41	131.88	121.60	154.18	126.69	135.99	149.43	152.37
Other private services	141.45	156.64	154.31	157.00	161.19	165.61	171.31	177.57
Other	105.62	107.59	106.28	108.64	109.99	111.87	112.06	113.54
Addenda:								
Exports of agricultural goods [2]	112.32	110.25	103.00	106.20	117.38	108.28	107.13	112.32
Exports of nonagricultural goods	129.66	143.68	142.34	142.86	152.24	158.58	168.75	169.74
Imports of nonpetroleum goods	139.59	153.63	150.84	156.57	160.69	168.20	176.44	183.01

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Chain-type price indexes								
Exports of goods and services	**103.44**	**101.61**	**102.14**	**101.47**	**100.35**	**99.90**	**99.72**	**99.25**
Exports of goods [1]	**101.74**	**98.27**	**99.24**	**97.89**	**96.06**	**95.55**	**94.99**	**94.33**
Foods, feeds, and beverages	113.49	126.27	133.86	128.50	117.48	117.60	117.98	115.49
Industrial supplies and materials	121.32	115.72	115.62	115.05	115.29	115.52	115.36	115.72
Durable goods	117.82	113.74	114.56	112.30	112.12	113.19	113.30	113.38
Nondurable goods	123.27	116.78	116.16	116.58	117.06	116.81	116.48	117.01
Capital goods, except automotive	88.73	81.56	82.36	80.68	78.60	77.42	76.31	75.26
Civilian aircraft, engines, and parts	109.60	114.01	113.35	114.97	115.70	117.81	117.63	118.76
Computers, peripherals, and parts	59.65	44.97	45.84	43.23	40.46	37.77	35.06	32.63
Other	92.97	87.85	88.68	87.16	85.25	84.49	84.28	83.95
Automotive vehicles, engines, and parts	103.13	104.25	104.13	104.24	104.53	104.92	105.15	105.21
Consumer goods, except automotive	102.91	104.27	104.25	104.39	104.53	104.80	104.86	105.10
Durable goods	101.52	102.71	102.75	102.86	102.92	103.38	103.75	103.77
Nondurable goods	104.40	105.95	105.87	106.05	106.27	106.32	106.05	106.53
Other	105.79	103.61	104.52	103.38	101.61	101.12	101.12	100.38
Durable goods	105.79	103.61	104.56	103.42	101.65	101.16	101.17	100.42
Nondurable goods	105.79	103.61	104.56	103.42	101.65	101.16	101.17	100.42
Exports of services [1]	**107.61**	**110.21**	**109.53**	**110.70**	**111.55**	**111.29**	**112.23**	**112.32**
Transfers under U.S. military agency sales contracts	110.58	111.29	110.54	109.83	109.65	110.56	110.84	109.69
Travel	107.20	111.60	111.07	112.38	112.89	114.09	114.62	114.69
Passenger fares	109.82	109.86	108.14	109.73	112.16	102.75	109.52	108.05
Other transportation	102.99	105.61	105.23	105.69	107.16	106.69	105.73	105.52
Royalties and license fees	107.34	109.41	109.17	109.62	110.14	110.55	110.79	111.13
Other private services	106.08	107.81	107.68	107.95	108.43	108.78	109.16	109.39
Other	117.80	122.10	118.51	126.05	128.28	129.06	131.79	134.22
Imports of goods and services	**101.62**	**99.41**	**99.83**	**98.76**	**98.75**	**97.42**	**95.52**	**94.84**
Imports of goods [1]	**101.12**	**98.30**	**98.88**	**97.47**	**97.42**	**96.11**	**93.87**	**93.19**
Foods, feeds, and beverages	113.17	110.72	112.89	110.06	110.71	111.37	113.17	112.06
Industrial supplies and materials, except petroleum and products	111.17	109.62	109.51	108.70	109.35	110.46	108.90	109.66
Durable goods	111.63	110.07	110.41	109.99	109.86	111.36	112.51	112.96
Nondurable goods	110.80	109.26	108.71	107.49	108.95	109.66	105.41	106.46
Petroleum and products	94.73	113.99	112.45	112.85	128.60	123.38	104.18	101.72
Capital goods, except automotive	89.83	77.78	79.47	76.05	72.32	69.65	68.05	66.63
Civilian aircraft, engines, and parts	108.75	113.54	113.14	114.47	114.99	117.21	117.65	118.60
Computers, peripherals, and parts	63.47	52.01	52.87	50.65	48.16	45.26	42.64	40.01
Other	100.02	87.18	89.42	85.15	80.62	78.03	77.23	76.78
Automotive vehicles, engines, and parts	107.88	108.57	108.43	108.64	108.67	108.67	108.50	108.90
Consumer goods, except automotive	103.10	103.45	103.56	103.37	103.14	102.67	102.38	102.18
Durable goods	103.09	103.06	103.19	102.90	102.61	101.84	101.00	100.58
Nondurable goods	103.12	103.87	103.97	103.89	103.72	103.57	103.89	103.91
Other	107.40	107.43	107.60	107.08	107.24	107.05	106.36	106.35
Durable goods	107.40	107.43	107.60	107.08	107.24	107.05	106.36	106.35
Nondurable goods	107.40	107.43	107.60	107.08	107.24	107.05	106.36	106.35
Imports of services [1]	**104.01**	**105.13**	**104.68**	**105.50**	**105.69**	**104.31**	**104.37**	**103.66**
Direct defense expenditures	109.01	107.97	106.83	107.94	108.89	101.94	101.45	98.18
Travel	107.00	109.23	108.17	110.96	109.53	106.66	105.58	104.74
Passenger fares	104.20	105.58	105.22	104.56	107.13	108.68	112.91	112.86
Other transportation	101.07	103.29	103.03	103.32	104.57	104.33	103.88	103.31
Royalties and license fees	107.35	109.42	109.17	109.62	110.14	110.55	110.79	111.13
Other private services	100.12	99.25	99.51	98.93	99.08	98.61	98.98	98.50
Other	107.16	109.36	108.76	110.20	109.96	109.04	108.74	108.60
Addenda:								
Exports of agricultural goods [2]	115.67	126.61	133.20	128.81	118.80	119.38	118.84	116.79
Exports of nonagricultural goods	100.38	95.65	96.13	95.04	93.91	93.31	92.75	92.20
Imports of nonpetroleum goods	101.86	97.16	97.92	96.32	94.93	93.92	92.98	92.44

NOTE.—See footnotes to table 4.3.

Table 7.11.—Chain-Type Quantity and Price Indexes for Government Consumption Expenditures and Gross Investment by Type

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Chain-type quantity indexes								
Government consumption expenditures and gross investment [1]	**99.06**	**99.54**	**100.10**	**99.83**	**99.85**	**99.74**	**100.50**	**100.78**
Federal	**89.08**	**87.92**	**89.15**	**88.21**	**87.04**	**85.76**	**87.14**	**86.92**
National defense	**85.84**	**84.56**	**86.01**	**85.00**	**83.44**	**80.86**	**82.33**	**82.59**
Consumption expenditures	87.77	86.20	87.09	86.99	85.84	84.57	85.69	85.59
Durable goods [2]	69.25	72.27	76.56	79.98	67.04	66.37	70.43	67.22
Nondurable goods	66.48	76.05	80.52	82.30	66.02	70.26	66.46	72.52
Services	90.40	88.01	88.45	87.94	88.45	86.93	87.94	87.94
Compensation of general government employees, except force-account construction [3]	85.49	81.89	82.44	81.93	80.64	79.99	79.14	78.93
Consumption of general government fixed capital [4]	96.76	94.82	95.08	94.57	94.12	93.62	93.17	92.70
Other services	94.74	94.25	94.59	94.08	98.60	94.74	100.30	101.04
Gross investment	74.99	75.34	79.94	73.76	69.89	59.66	63.13	65.53
Structures	103.79	107.11	114.86	103.75	102.80	96.54	94.56	94.05
Equipment	71.79	71.80	76.05	70.43	66.21	55.49	59.61	62.37
Nondefense	**96.88**	**96.01**	**96.72**	**95.93**	**95.69**	**97.54**	**98.71**	**97.34**
Consumption expenditures	97.46	95.37	96.28	94.84	95.21	97.18	97.60	97.42
Durable goods [2]	.....	.....	.....	.....	.....	.....	.....	.....
Nondurable goods	.....	.....	.....	.....	.....	.....	.....	.....
Commodity Credit Corporation inventory change	.....	.....	.....	.....	.....	.....	.....	.....
Other nondurables	84.13	75.08	75.96	70.86	74.38	83.75	85.82	85.37
Services	97.37	95.57	96.44	95.43	95.61	96.75	97.23	97.21
Compensation of general government employees, except force-account construction [3]	92.95	90.66	92.07	91.20	90.70	91.10	91.42	91.22
Consumption of general government fixed capital [4]	110.42	115.70	115.08	116.42	117.80	119.30	120.73	122.01
Other services	101.84	99.49	99.75	98.03	99.16	101.47	102.05	102.10
Gross investment	93.02	100.61	99.96	103.75	99.08	100.06	106.81	96.57
Structures	96.90	97.44	99.64	96.76	97.41	94.95	88.29	89.25
Equipment	89.24	104.93	100.95	112.70	101.49	106.77	130.76	105.82
State and local	**106.23**	**107.88**	**107.97**	**108.17**	**109.04**	**109.78**	**110.10**	**110.73**
Consumption expenditures	107.02	108.28	108.38	108.63	108.98	109.53	110.06	110.76
Durable goods [2]	112.02	115.98	115.48	116.49	117.32	118.18	119.04	119.90
Nondurable goods	113.65	117.38	116.79	117.92	119.06	120.12	121.18	122.24
Services	106.16	107.08	107.28	107.41	107.66	108.15	108.61	109.27
Compensation of general government employees, except force-account construction [3]	104.72	105.08	105.35	105.44	105.54	105.87	106.30	106.89
Consumption of general government fixed capital [4]	108.66	111.57	111.21	111.94	112.66	113.37	114.07	114.76
Other services	129.97	138.73	138.30	138.20	140.65	143.86	144.66	146.72
Gross investment	102.60	106.03	106.06	106.03	109.35	110.95	110.28	110.59
Structures	101.29	104.30	104.45	104.15	107.84	109.49	108.43	108.47
Equipment	108.60	114.13	113.54	114.91	116.33	117.57	119.08	120.89
Addenda:								
Compensation of general government employees [3]	99.42	98.66	99.13	98.98	98.72	98.87	99.00	99.33
Federal	87.97	84.83	85.68	85.07	84.02	83.73	83.27	83.08
State and local	104.69	105.06	105.34	105.42	105.54	105.89	106.31	106.89

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Chain-type price indexes								
Government consumption expenditures and gross investment [1]	**108.28**	**111.83**	**111.23**	**112.07**	**112.76**	**113.74**	**114.14**	**114.57**
Federal	**108.34**	**112.03**	**111.47**	**112.05**	**112.74**	**114.10**	**114.46**	**114.70**
National defense	**106.83**	**111.02**	**110.58**	**111.16**	**111.94**	**113.14**	**113.46**	**113.64**
Consumption expenditures	106.44	110.96	110.56	111.26	112.16	113.39	113.70	113.98
Durable goods [2]	101.20	102.41	102.82	102.60	102.17	102.89	103.22	102.90
Nondurable goods	100.11	109.95	108.19	109.14	116.27	114.14	107.47	105.14
Services	107.11	111.78	111.35	112.12	112.96	114.31	114.81	115.21
Compensation of general government employees, except force-account construction [3]	107.45	115.40	114.78	115.87	116.76	119.51	120.16	120.27
Consumption of general government fixed capital [4]	109.58	111.40	111.67	111.61	111.91	112.50	112.78	113.39
Other services	104.92	106.45	105.84	106.69	107.82	107.65	108.07	108.72
Gross investment	109.27	111.22	110.58	110.39	110.29	111.26	111.65	111.07
Structures	118.22	121.50	121.04	122.21	123.57	124.09	125.35	126.08
Equipment	108.31	110.07	109.40	109.00	108.67	109.72	109.95	109.16
Nondefense	**111.88**	**114.47**	**113.63**	**114.25**	**114.72**	**116.44**	**116.87**	**117.23**
Consumption expenditures	113.16	116.32	115.32	116.10	116.74	118.80	119.30	119.79
Durable goods [2]	.....	.....	.....	.....	.....	.....	.....	.....
Nondurable goods	.....	.....	.....	.....	.....	.....	.....	.....
Commodity Credit Corporation inventory change	.....	.....	.....	.....	.....	.....	.....	.....
Other nondurables	111.67	112.73	113.87	113.82	109.98	110.07	111.40	111.71
Services	113.39	116.89	115.82	116.64	117.48	119.65	120.14	120.64
Compensation of general government employees, except force-account construction [3]	120.47	126.39	124.47	125.72	126.91	130.91	131.68	132.21
Consumption of general government fixed capital [4]	104.55	104.51	104.49	104.40	104.15	104.08	103.77	104.43
Other services	105.26	106.39	106.19	106.65	107.29	107.60	107.92	108.32
Gross investment	103.72	102.76	102.90	102.53	101.99	101.63	101.67	101.23
Structures	109.99	113.14	112.84	113.30	113.92	114.63	116.18	117.05
Equipment	97.07	92.16	92.66	91.56	90.00	88.66	87.56	86.15
State and local	**108.24**	**111.71**	**111.08**	**112.07**	**112.77**	**113.54**	**113.95**	**114.50**
Consumption expenditures	108.14	111.84	111.13	112.23	113.01	113.71	114.02	114.66
Durable goods [2]	105.75	106.39	106.16	106.32	106.45	106.42	106.45	107.03
Nondurable goods	105.51	109.36	109.96	109.07	110.70	110.77	108.30	107.97
Services	108.51	112.25	111.38	112.75	113.43	114.23	114.90	115.68
Compensation of general government employees, except force-account construction [3]	109.88	114.02	113.07	114.45	115.24	116.04	116.75	117.54
Consumption of general government fixed capital [4]	106.88	108.74	108.59	108.85	108.95	109.84	110.41	110.53
Other services	88.97	90.09	89.23	91.97	92.13	92.76	93.05	94.52
Gross investment	108.69	111.14	110.84	111.34	111.69	112.73	113.64	113.72
Structures	110.45	113.93	113.48	114.25	114.90	116.36	117.75	118.09
Equipment	101.14	99.35	99.68	99.09	98.20	97.49	96.39	95.39
Addenda:								
Compensation of general government employees [3]	110.43	115.42	114.43	115.75	116.59	118.03	118.73	119.38
Federal	111.76	119.00	117.94	119.08	120.08	123.26	123.94	124.20
State and local	109.89	114.03	113.08	114.46	115.24	116.04	116.75	117.54

NOTE.—See footnotes to table 3.7.

Table 7.14.—Chain-Type Quantity and Price Indexes for Gross Domestic Product by Sector

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Chain-type quantity indexes								
Gross domestic product	**107.97**	**110.95**	**110.92**	**111.20**	**112.38**	**113.73**	**114.66**	**115.59**
Business [1]	**109.13**	**112.70**	**112.61**	**112.93**	**114.35**	**115.92**	**116.98**	**118.01**
Nonfarm [1]	109.38	112.99	112.88	113.25	114.69	116.18	117.23	118.30
Nonfarm less housing	109.76	113.61	113.56	113.83	115.36	116.99	118.15	119.35
Housing	106.22	107.83	107.26	108.37	109.05	109.53	109.66	109.67
Farm	92.13	93.75	94.61	92.56	92.75	98.07	99.75	98.37
Households and institutions	**109.32**	**111.52**	**111.24**	**111.96**	**112.66**	**113.55**	**114.40**	**115.27**
Private households	106.92	100.06	102.26	98.67	95.09	94.77	95.54	95.97
Nonprofit institutions	109.41	111.96	111.58	112.47	113.33	114.27	115.11	116.01
General government [2]	**99.91**	**99.34**	**99.74**	**99.63**	**99.43**	**99.58**	**99.72**	**100.03**
Federal	90.44	87.79	88.48	87.94	87.08	86.80	86.40	86.20
State and local	105.05	105.65	105.87	106.00	106.18	106.56	107.00	107.60
Chain-type price indexes								
Gross domestic product	**107.76**	**110.22**	**109.86**	**110.59**	**111.10**	**111.78**	**112.27**	**112.68**
Business [1]	**107.38**	**109.56**	**109.26**	**109.95**	**110.43**	**111.00**	**111.45**	**111.81**
Nonfarm [1]	107.50	109.46	109.20	109.76	110.21	110.88	111.29	111.68
Nonfarm less housing	107.32	109.11	108.88	109.40	109.82	110.47	110.83	111.15
Housing	109.05	112.48	112.06	112.88	113.63	114.42	115.32	116.29
Farm	99.01	118.34	114.23	125.11	128.16	121.56	124.35	122.81
Households and institutions	**108.75**	**111.19**	**110.78**	**111.36**	**111.98**	**112.87**	**113.90**	**114.81**
Private households	109.61	113.51	112.56	114.29	115.40	115.86	116.84	118.22
Nonprofit institutions	108.71	111.10	110.72	111.25	111.86	112.77	113.79	114.69
General government [2]	**110.08**	**114.58**	**113.75**	**114.89**	**115.62**	**116.95**	**117.60**	**118.21**
Federal	111.04	116.82	116.09	116.92	117.71	120.19	120.74	121.10
State and local	109.61	113.53	112.65	113.93	114.64	115.46	116.15	116.87

NOTE.—See footnotes to table 1.7.

Table 7.15.—Current-Dollar Cost and Profit Per Unit of Real Gross Domestic Product of Nonfinancial Corporate Business

[Dollars]

Current-dollar cost and profit per unit of real gross domestic product [1]	**1.050**	**1.063**	**1.062**	**1.064**	**1.065**	**1.069**	**1.072**	**1.072**
Consumption of fixed capital	**.100**	**.101**	**.101**	**.101**	**.101**	**.101**	**.101**	**.100**
Net domestic product	**.950**	**.962**	**.961**	**.963**	**.963**	**.968**	**.971**	**.972**
Indirect business tax and nontax liability plus business transfer payments less subsidies	.107	.108	.109	.108	.108	.107	.107	.107
Domestic income	.842	.853	.853	.855	.855	.861	.863	.865
Compensation of employees	.687	.690	.689	.691	.693	.697	.698	.694
Corporate profits with inventory valuation and capital consumption adjustments	.128	.140	.140	.141	.142	.143	.144	.149
Profits tax liability	.037	.040	.040	.040	.040	.040	.040	.042
Profits after tax with inventory valuation and capital consumption adjustments	.090	.101	.100	.101	.102	.103	.104	.107
Net interest	.027	.023	.024	.022	.021	.021	.021	.021

1. Equals the deflator for gross domestic product of nonfinancial corporate business with the decimal point shifted two places to the left.

Table 7.16.—Implicit Price Deflators for Inventories of Business by Industry

[Index numbers, 1992=100]

	Seasonally adjusted					
	1996			1997		
	II	III	IV	I	II	III
Inventories [1]	**107.19**	**107.20**	**107.08**	**106.63**	**105.93**	**106.12**
Farm	105.11	105.03	100.15	103.26	101.90	100.66
Nonfarm	107.44	107.45	107.77	107.00	106.36	106.68
Durable goods	106.48	106.52	106.49	106.69	106.25	106.04
Nondurable goods	108.76	108.74	109.53	107.45	106.54	107.57
Manufacturing	107.30	107.32	107.47	106.84	106.13	106.30
Durable goods	104.92	104.68	104.89	104.92	104.52	104.32
Nondurable goods	111.34	111.79	111.85	110.06	108.80	109.64
Wholesale	107.79	107.22	106.53	106.26	105.62	106.08
Durable goods	104.02	104.14	103.90	103.91	103.80	103.56
Nondurable goods	114.12	112.38	110.90	110.16	108.61	110.26
Merchant wholesalers	108.30	107.39	106.48	106.50	105.93	106.34
Durable goods	104.26	104.39	104.14	104.17	104.06	103.83
Nondurable goods	115.24	112.55	110.43	110.44	109.05	110.60
Nonmerchant wholesalers	104.73	106.18	106.86	104.87	103.79	104.50
Durable goods	102.44	102.54	102.26	102.24	102.07	101.78
Nondurable goods	108.08	111.59	113.64	108.77	106.34	108.52
Retail trade	106.46	106.85	106.96	107.01	106.28	106.54
Durable goods	110.06	110.22	110.06	110.48	109.42	109.37
Motor vehicle dealers	113.03	112.94	112.57	113.16	110.90	110.87
Other	107.09	107.50	107.52	107.79	107.83	107.77
Nondurable goods	102.76	103.39	103.80	103.44	103.08	103.66
Other	109.49	109.96	113.73	109.34	109.15	109.78
Durable goods	114.35	115.20	115.15	116.40	116.50	115.80
Nondurable goods	107.09	107.36	113.22	105.81	105.46	106.79

1. Implicit price deflators are as of the end of the quarter and are consistent with the inventory stocks shown in tables 5.12 and 5.13.

Table 7.17.—Chain-Type Quantity Indexes for Gross Domestic Product by Major Type of Product

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product	**107.97**	**110.95**	**110.92**	**111.20**	**112.38**	**113.73**	**114.66**	**115.59**
Final sales of domestic product	107.62	110.64	110.66	110.70	111.93	112.77	113.47	114.83
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Goods	**110.91**	**114.72**	**114.55**	**115.17**	**116.51**	**119.31**	**120.49**	**121.48**
Final sales	109.98	113.89	113.89	113.83	115.32	116.66	117.19	119.40
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Durable goods	120.66	127.97	128.51	130.25	128.64	133.71	139.00	140.52
Final sales	116.39	124.84	125.26	125.41	127.35	128.97	132.66	136.83
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Nondurable goods	104.20	105.69	105.06	104.94	108.19	109.52	108.07	108.72
Final sales	105.48	106.32	106.02	105.82	107.01	108.17	106.63	107.57
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....
Services	**105.97**	**108.08**	**108.03**	**108.15**	**109.17**	**109.76**	**110.65**	**111.56**
Structures	**108.33**	**113.63**	**114.17**	**114.19**	**115.73**	**116.16**	**116.27**	**117.07**
Addenda:								
Motor vehicle output	120.55	117.55	123.15	120.25	115.23	120.59	117.22	123.23
Gross domestic product less motor vehicle output	107.54	110.73	110.50	110.89	112.28	113.50	114.57	115.33

Table 7.18.—Chain-Type Quantity Indexes for Auto Output

[Index numbers, 1992=100]

	1995	1996	Seasonally adjusted					
			1996			1997		
			II	III	IV	I	II	III
Auto output	**105.03**	**98.69**	**106.68**	**105.25**	**93.58**	**98.45**	**96.09**	**99.59**
Final sales	**102.59**	**101.94**	**104.64**	**101.44**	**99.35**	**99.31**	**94.84**	**99.78**
Personal consumption expenditures	103.75	103.07	106.14	102.94	100.38	105.11	99.69	105.75
New autos	98.13	95.25	96.55	93.43	93.83	96.91	89.70	100.20
Net purchases of used autos	.....	.....	.....	.....	.....	.....	.....	.....
Producers' durable equipment	122.99	128.03	128.88	133.95	127.22	136.19	130.82	136.48
New autos	120.70	126.10	129.07	133.00	121.72	130.80	126.22	129.36
Net purchases of used autos	.....	.....	.....	.....	.....	.....	.....	.....
Net exports	.....	.....	.....	.....	.....	.....	.....	.....
Exports	112.40	112.16	108.53	112.99	110.84	109.44	119.00	105.88
Imports	123.74	126.62	126.36	131.31	125.96	143.81	139.60	143.31
Gross government investment	111.19	102.75	85.19	89.32	115.71	103.02	82.28	100.78
Change in business inventories of new and used autos	.....	.....	.....	.....	.....	.....	.....	.....
New	.....	.....	.....	.....	.....	.....	.....	.....
Used	.....	.....	.....	.....	.....	.....	.....	.....
Addenda:								
Domestic output of new autos [1]	114.30	110.93	116.59	120.25	103.63	109.88	108.14	113.43
Sales of imported new autos [2]	101.14	98.06	97.36	97.64	99.15	108.82	102.63	109.72

1. Consists of final sales and change in business inventories of new autos assembled in the United States.
2. Consists of personal consumption expenditures, producers' durable equipment, and gross government investment.

Table 7.19.—Chain-Type Quantity Indexes for Truck Output

[Index numbers, 1992=100]

Truck output [1]	**142.80**	**144.61**	**146.75**	**141.72**	**146.38**	**152.43**	**147.62**	**157.23**
Final sales	**142.00**	**147.62**	**144.57**	**144.35**	**152.03**	**150.72**	**147.96**	**158.75**
Personal consumption expenditures	121.45	121.78	120.92	118.29	120.90	119.17	113.36	126.05
Producers' durable equipment	167.88	181.34	176.45	184.46	190.80	193.20	192.36	202.24
Net exports	.....	.....	.....	.....	.....	.....	.....	.....
Exports	134.54	156.23	156.36	147.53	177.17	175.57	169.89	176.81
Imports	110.36	116.45	119.27	125.33	113.92	133.14	130.75	145.55
Gross government investment	102.81	91.90	90.17	79.52	82.80	97.68	109.59	120.72
Change in business inventories	.....	.....	.....	.....	.....	.....	.....	.....

1. Includes new trucks only.

8. Supplementary Tables

Table 8.1.—Percent Change From Preceding Period in Selected Series

[Percent]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Gross domestic product:								
Current dollars	4.6	5.1	7.7	3.6	6.2	7.4	5.2	4.8
Chain-type quantity index	2.0	2.8	6.0	1.0	4.3	4.9	3.3	3.3
Chain-type price index	2.5	2.3	1.9	2.7	1.9	2.4	1.8	1.5
Implicit price deflator	2.5	2.3	1.7	2.6	1.9	2.4	1.8	1.5
Personal consumption expenditures:								
Current dollars	5.1	5.0	6.7	3.0	6.3	7.6	2.0	7.5
Chain-type quantity index	2.4	2.6	3.7	.5	3.3	5.3	.9	5.8
Chain-type price index	2.6	2.4	2.9	2.5	3.0	2.2	1.0	1.6
Implicit price deflator	2.6	2.4	2.9	2.5	2.9	2.2	1.0	1.6
Durable goods:								
Current dollars	5.0	4.3	7.8	–2.6	2.4	13.3	–8.2	14.8
Chain-type quantity index	4.0	4.7	9.7	–1.9	3.5	14.1	–5.4	18.2
Chain-type price index	1.0	–.4	–1.4	–.6	–1.0	–.7	–3.0	–2.9
Implicit price deflator	1.0	–.4	–1.8	–.7	–1.1	–.7	–3.0	–2.9
Nondurable goods:								
Current dollars	3.3	4.0	6.6	1.6	5.8	7.2	–2.1	5.8
Chain-type quantity index	1.6	1.4	2.6	.6	2.1	4.7	–2.1	4.4
Chain-type price index	1.7	2.6	3.9	.9	3.7	2.4	0	1.3
Implicit price deflator	1.7	2.6	3.9	.9	3.7	2.4	0	1.3
Services:								
Current dollars	6.1	5.7	6.5	4.9	7.4	6.6	6.3	6.9
Chain-type quantity index	2.5	2.7	3.1	1.0	3.9	3.9	3.9	4.1
Chain-type price index	3.5	2.9	3.4	3.9	3.4	2.6	2.4	2.7
Implicit price deflator	3.4	2.9	3.4	3.9	3.4	2.6	2.4	2.7
Gross private domestic investment:								
Current dollars	3.0	7.5	18.0	16.8	.7	15.6	17.2	2.6
Chain-type quantity index	1.6	7.8	19.9	16.5	1.6	17.1	17.7	2.8
Chain-type price index	1.4	–.2	–1.0	1.2	–.5	–1.0	–.6	–.2
Implicit price deflator	1.4	–.3	–1.5	.3	–.9	–1.3	–.4	–.3
Fixed investment:								
Current dollars	6.5	8.2	13.0	11.6	2.6	3.0	12.4	13.8
Chain-type quantity index	5.1	8.3	14.4	10.1	3.0	3.9	12.6	13.9
Chain-type price index	1.3	–.1	–.7	1.4	–.4	–.9	–.2	–.1
Implicit price deflator	1.3	–.1	–1.2	1.3	–.4	–.9	–.2	–.1
Nonresidential:								
Current dollars	9.4	8.1	10.3	16.1	4.4	2.1	12.9	16.9
Chain-type quantity index	9.0	9.2	13.0	16.5	5.9	4.1	14.6	18.1
Chain-type price index	.4	–1.0	–1.7	–.3	–1.5	–2.0	–1.5	–1.0
Implicit price deflator	.4	–1.0	–2.4	–.3	–1.5	–2.0	–1.5	–1.0
Structures:								
Current dollars	8.7	7.3	9.9	14.2	18.2	.7	–1.0	7.0
Chain-type quantity index	4.3	4.8	7.9	10.0	15.3	–2.1	–4.7	3.3
Chain-type price index	4.2	2.3	1.9	3.9	2.5	2.8	3.9	3.6
Implicit price deflator	4.2	2.3	1.9	3.8	2.5	2.8	3.9	3.6
Producers' durable equipment:								
Current dollars	9.7	8.4	10.4	16.9	–.5	2.6	18.7	20.8
Chain-type quantity index	10.8	10.9	14.9	19.1	2.6	6.7	23.0	24.1
Chain-type price index	–1.0	–2.3	–3.1	–1.9	–3.0	–3.8	–3.5	–2.6
Implicit price deflator	–1.0	–2.3	–3.9	–1.9	–3.0	–3.8	–3.5	–2.6
Residential:								
Current dollars	–.3	8.5	20.0	1.0	–1.8	5.4	11.1	6.0
Chain-type quantity index	–3.8	5.9	17.9	–4.5	–4.3	3.3	7.4	3.7
Chain-type price index	3.6	2.4	1.8	5.7	2.6	2.0	3.4	2.2
Implicit price deflator	3.6	2.4	1.8	5.7	2.6	2.0	3.4	2.2
Exports of goods and services:								
Current dollars	13.5	6.4	7.1	–.6	20.4	8.0	17.6	2.4
Chain-type quantity index	11.1	8.3	9.6	1.9	25.5	9.9	18.4	4.3
Chain-type price index	2.2	–1.8	–1.4	–2.6	–4.3	–1.8	–.7	–1.9
Implicit price deflator	2.2	–1.8	–2.3	–2.4	–4.1	–1.8	–.7	–1.9
Exports of goods:								
Current dollars	14.6	5.8	5.2	–2.7	21.8	10.2	22.2	1.0
Chain-type quantity index	12.6	9.5	9.6	2.5	30.7	12.6	25.1	3.8
Chain-type price index	1.8	–3.4	–2.7	–5.3	–7.3	–2.1	–2.3	–2.7
Implicit price deflator	1.8	–3.4	–4.0	–5.1	–6.9	–2.1	–2.3	–2.7
Exports of services:								
Current dollars	10.9	8.0	12.0	4.6	17.1	2.7	6.7	6.0
Chain-type quantity index	7.4	5.5	9.7	.3	13.5	3.7	3.2	5.7
Chain-type price index	3.2	2.4	1.7	4.3	3.1	–.9	3.4	.3
Implicit price deflator	3.2	2.4	2.1	4.3	3.1	–.9	3.4	.3
Imports of goods and services:								
Current dollars	11.4	6.8	11.4	8.1	6.5	11.7	11.4	10.8
Chain-type quantity index	8.9	9.1	14.1	13.2	6.8	17.9	20.5	14.0
Chain-type price index	2.2	–2.2	–1.8	–4.2	0	–5.3	–7.6	–2.8
Implicit price deflator	2.2	–2.2	–2.3	–4.5	–.3	–5.3	–7.6	–2.8
Imports of goods:								
Current dollars	11.9	6.8	13.2	8.9	7.2	10.5	11.8	11.6
Chain-type quantity index	9.5	9.9	16.4	15.7	7.7	16.7	22.9	14.8
Chain-type price index	2.2	–2.8	–2.1	–5.6	–.2	–5.3	–9.0	–2.9
Implicit price deflator	2.2	–2.8	–2.8	–5.9	–.4	–5.3	–9.0	–2.9
Imports of services:								
Current dollars	8.6	6.6	2.7	4.3	2.8	17.9	9.2	6.6
Chain-type quantity index	6.1	5.5	2.7	1.2	2.1	24.2	8.9	9.5
Chain-type price index	2.4	1.1	.1	3.1	.7	–5.1	.2	–2.7
Implicit price deflator	2.4	1.1	0	3.1	.7	–5.1	.2	–2.7
Government consumption expenditures and gross investment:								
Current dollars	3.2	3.8	6.8	1.8	2.5	3.1	4.5	2.7
Chain-type quantity index	0	.5	7.2	–1.1	.1	–.4	3.1	1.1
Chain-type price index	3.3	3.3	–.2	3.1	2.5	3.5	1.4	1.5
Implicit price deflator	3.3	3.3	–.4	3.0	2.4	3.5	1.4	1.5
Federal:								
Current dollars	–.1	2.1	6.6	–2.3	–3.0	–1.1	7.9	–.2
Chain-type quantity index	–3.3	–1.3	8.8	–4.2	–5.2	–5.8	6.6	–1.0
Chain-type price index	3.3	3.4	–1.4	2.1	2.5	4.9	1.3	.8
Implicit price deflator	3.3	3.4	–2.1	1.9	2.3	4.9	1.3	.8
National defense:								
Current dollars	–1.3	2.4	10.7	–2.8	–4.7	–8.0	8.7	1.9
Chain-type quantity index	–4.3	–1.5	11.0	–4.6	–7.1	–11.8	7.5	1.3
Chain-type price index	3.1	3.9	.7	2.1	2.8	4.3	1.1	.6
Implicit price deflator	3.1	3.9	–.3	1.9	2.6	4.3	1.1	.6
Nondefense:								
Current dollars	2.4	1.4	–1.6	–1.3	.5	14.6	6.4	–4.3
Chain-type quantity index	–1.4	–.9	4.3	–3.2	–1.0	8.0	4.9	–5.4
Chain-type price index	3.9	2.3	–5.6	2.2	1.7	6.1	1.5	1.2
Implicit price deflator	3.9	2.3	–5.7	2.0	1.5	6.1	1.5	1.2
State and local:								
Current dollars	5.4	4.8	6.9	4.4	5.9	5.5	2.6	4.3
Chain-type quantity index	2.1	1.6	6.3	.7	3.3	2.7	1.2	2.3
Chain-type price index	3.2	3.2	.6	3.6	2.5	2.7	1.5	1.9
Implicit price deflator	3.2	3.2	.5	3.6	2.5	2.7	1.5	1.9
Addenda:								
Final sales of domestic product:								
Current dollars	5.1	5.2	7.0	2.9	6.6	5.6	4.4	6.4
Chain-type quantity index	2.5	2.8	5.2	.2	4.5	3.0	2.5	4.9
Chain-type price index	2.5	2.3	1.9	2.7	1.9	2.5	1.9	1.5
Implicit price deflator	2.5	2.3	1.7	2.7	2.0	2.5	1.9	1.5
Gross domestic purchases:								
Current dollars	4.5	5.2	8.2	4.7	4.8	7.9	4.6	5.8
Chain-type quantity index	1.9	2.9	6.5	2.4	2.5	5.9	3.7	4.5
Chain-type price index	2.5	2.2	1.8	2.4	2.4	1.9	.8	1.3
Implicit price deflator	2.6	2.2	1.6	2.2	2.3	1.9	.9	1.3
Final sales to domestic purchasers:								
Current dollars	4.9	5.2	7.6	4.0	5.1	6.1	3.9	7.5
Chain-type quantity index	2.3	3.0	5.8	1.5	2.7	4.0	2.9	6.1
Chain-type price index	2.6	2.2	1.8	2.4	2.4	2.0	.9	1.3
Implicit price deflator	2.6	2.2	1.7	2.4	2.4	2.0	.9	1.3
Gross national product:								
Current dollars	4.5	5.0	7.4	3.1	6.8	6.5	4.9	4.1
Chain-type quantity index	2.0	2.7	5.7	.6	4.9	4.0	3.0	2.6
Chain-type price index	2.5	2.3	1.9	2.6	1.9	2.4	1.8	1.5
Implicit price deflator	2.5	2.3	1.6	2.5	1.8	2.4	1.8	1.4
Command-basis gross national product:								
Chain-type quantity index	2.0	2.8	5.7	.8	4.4	4.5	4.0	2.7
Disposable personal income:								
Current dollars	6.0	4.7	4.0	5.2	3.7	6.8	4.2	4.3
Chained (1992) dollars	3.3	2.3	1.1	2.7	.7	4.6	3.1	2.7

NOTE.—Except for disposable personal income, the quantity and price indexes are calculated from weighted averages of the detailed output and prices used to prepare each aggregate and component. Prior to the third quarter of 1996, these indexes use the geometric mean of weights that reflect the composition of output for the preceding and current years. Beginning with the third quarter of 1996, these indexes use weights that reflect the composition of output in the two adjacent quarters. Implicit price deflators are weighted averages of the detailed price indexes used to prepare each aggregate and component and are calculated as the ratio of current- to chained-dollar output multiplied by 100. (Contributions to the percent change in real gross domestic product are shown in table 8.2.)

Table 8.2.—Contributions to Percent Change in Real Gross Domestic Product

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Percent change at annual rate:								
Gross domestic product	**2.0**	**2.8**	**6.0**	**1.0**	**4.3**	**4.9**	**3.3**	**3.3**
Percentage points at annual rates:								
Personal consumption expenditures	**1.7**	**1.8**	**2.5**	**.4**	**2.2**	**3.6**	**.6**	**3.9**
Durable goods	.3	.4	.8	–.2	.3	1.1	–.5	1.4
Nondurable goods	.3	.3	.5	.1	.4	.9	–.4	.9
Services	1.0	1.1	1.2	.4	1.5	1.5	1.5	1.6
Gross private domestic investment	**.2**	**1.1**	**2.6**	**2.3**	**.2**	**2.4**	**2.5**	**.4**
Fixed investment	.7	1.1	1.9	1.4	.4	.6	1.7	1.9
Nonresidential	.8	.9	1.3	1.6	.6	.4	1.4	1.8
Structures	.1	.1	.2	.3	.4	–.1	–.1	.1
Producers' durable equipment	.7	.8	1.0	1.3	.2	.5	1.6	1.7
Residential	–.2	.2	.7	–.2	–.2	.1	.3	.1
Change in business inventories	–.5	0	.7	.8	–.2	1.8	.8	–1.5
Net exports of goods and services	**.1**	**–.2**	**–.6**	**–1.4**	**1.8**	**–1.0**	**–.4**	**–1.2**
Exports	1.1	.9	1.1	.2	2.7	1.1	2.0	.5
Goods	.9	.7	.8	.2	2.2	1.0	1.9	.3
Services	.2	.2	.3	0	.4	.1	.1	.2
Imports	–1.0	–1.1	–1.7	–1.6	–.8	–2.1	–2.5	–1.7
Goods	–.9	–1.0	–1.6	–1.6	–.8	–1.7	–2.3	–1.6
Services	–.1	–.1	–.1	0	0	–.5	–.2	–.1
Government consumption expenditures and gross investment	**0**	**.1**	**1.3**	**–.2**	**0**	**–.1**	**.6**	**.2**
Federal	–.2	–.1	.6	–.3	–.4	–.4	.4	–.1
National defense	–.2	–.1	.5	–.2	–.3	–.6	.3	.1
Nondefense	0	0	.1	–.1	0	.2	.1	–.1
State and local	.2	.2	.7	.1	.4	.3	.1	.3

Table 8.3.—Selected Per Capita Product and Income Series in Current and Chained Dollars

[Dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Current dollars:								
Gross domestic product	27,605	28,752	28,680	28,869	29,243	29,715	30,030	30,312
Gross national product	27,625	28,759	28,691	28,843	29,254	29,662	29,952	30,183
Personal income	23,370	24,457	24,359	24,604	24,835	25,268	25,525	25,762
Disposable personal income	20,349	21,117	21,012	21,229	21,373	21,689	21,865	22,045
Personal consumption expenditures	18,837	19,608	19,562	19,660	19,919	20,247	20,303	20,624
Durable goods	2,312	2,389	2,407	2,386	2,395	2,466	2,409	2,488
Nondurable goods	5,607	5,779	5,776	5,786	5,854	5,945	5,901	5,971
Services	10,917	11,441	11,378	11,488	11,669	11,836	11,993	12,165
Chained (1992) dollars:								
Gross domestic product	25,616	26,088	26,111	26,116	26,333	26,599	26,760	26,914
Gross national product	25,642	26,101	26,126	26,102	26,354	26,562	26,704	26,813
Disposable personal income	18,861	19,116	19,081	19,161	19,152	19,331	19,439	19,522
Personal consumption expenditures	17,460	17,750	17,765	17,745	17,848	18,046	18,051	18,264
Durable goods	2,217	2,301	2,318	2,301	2,316	2,389	2,351	2,446
Nondurable goods	5,367	5,393	5,397	5,393	5,408	5,460	5,420	5,466
Services	9,877	10,057	10,052	10,052	10,125	10,202	10,278	10,357
Population (mid-period, thousands)	263,194	265,579	265,258	265,887	266,491	266,987	267,545	268,171

Table 8.4.—Auto Output

[Billions of dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Auto output	**140.4**	**134.6**	**144.6**	**144.5**	**128.7**	**136.4**	**130.2**	**136.8**
Final sales	**137.2**	**140.0**	**143.0**	**140.2**	**138.0**	**137.9**	**131.1**	**136.6**
Personal consumption expenditures	139.5	141.3	145.0	141.5	138.4	145.2	136.7	143.2
New autos	87.1	86.1	87.0	84.8	85.3	87.9	81.3	90.7
Net purchases of used autos	52.4	55.3	58.1	56.7	53.2	57.3	55.4	52.5
Producers' durable equipment	42.3	45.3	45.3	48.0	45.9	48.8	47.4	50.4
New autos	74.5	79.2	80.8	84.0	76.9	82.5	79.5	81.4
Net purchases of used autos	–32.2	–33.9	–35.5	–35.9	–31.1	–33.7	–32.1	–31.0
Net exports	–47.1	–48.9	–49.2	–51.3	–48.8	–58.4	–54.9	–59.4
Exports	16.7	17.0	16.4	17.1	16.8	16.6	18.1	16.1
Imports	63.8	65.9	65.6	68.3	65.7	75.0	73.0	75.5
Gross government investment	2.4	2.3	1.9	2.0	2.6	2.3	1.9	2.3
Change in business inventories of new and used autos	**3.2**	**–5.4**	**1.6**	**4.3**	**–9.3**	**–1.5**	**–.9**	**.3**
New	3.1	–5.6	2.5	3.7	–9.0	–.8	.3	.1
Used	.2	.2	–.9	.6	–.4	–.6	–1.2	.1
Addenda:								
Domestic output of new autos [1]	122.8	121.1	127.3	131.6	113.5	120.8	116.8	125.3
Sales of imported new autos [2]	59.0	58.2	57.6	58.2	59.2	64.8	61.1	65.2

1. Consists of final sales and change in business inventories of new autos assembled in the United States.
2. Consists of personal consumption expenditures, producers' durable equipment, and gross government investment.

Table 8.5.—Real Auto Output

[Billions of chained (1992) dollars]

	1995	1996	Seasonally adjusted at annual rates					
			1996			1997		
			II	III	IV	I	II	III
Auto output	**127.6**	**119.9**	**129.6**	**127.9**	**113.7**	**119.7**	**116.8**	**121.0**
Final sales	**125.2**	**124.4**	**127.7**	**123.8**	**121.3**	**121.2**	**115.8**	**121.8**
Personal consumption expenditures	122.0	121.2	124.8	121.0	118.0	123.6	117.2	124.3
New autos	80.6	78.2	79.3	76.7	77.0	79.6	73.7	82.3
Net purchases of used autos	40.8	42.1	44.4	43.2	40.2	43.1	42.4	41.4
Producers' durable equipment	43.4	45.1	45.4	47.2	44.9	48.0	46.1	48.1
New autos	68.9	72.0	73.7	75.9	69.5	74.7	72.1	73.9
Net purchases of used autos	–25.3	–26.6	–27.8	–28.4	–24.6	–26.6	–25.9	–25.8
Net exports	–42.2	–43.6	–43.9	–45.6	–43.4	–52.0	–48.7	–52.3
Exports	16.0	16.0	15.5	16.1	15.8	15.6	17.0	15.1
Imports	58.2	59.6	59.4	61.8	59.2	67.6	65.7	67.4
Gross government investment	2.2	2.1	1.7	1.8	2.3	2.1	1.7	2.0
Change in business inventories of new and used autos	**2.2**	**–4.7**	**1.8**	**4.0**	**–7.9**	**–1.8**	**.9**	**–1.0**
New	2.5	–5.2	2.0	3.6	–8.1	–1.0	2.3	–.9
Used	–.1	.3	–.1	.5	0	–.7	–1.2	0 Q
Residual	.2	.6	.3	.3	.8	.5	.4	.4
Addenda:								
Domestic output of new autos [1]	114.2	110.9	116.5	120.2	103.6	109.8	108.1	113.4
Sales of imported new autos [2]	54.5	52.9	52.5	52.6	53.5	58.7	55.3	59.2

1. Consists of final sales and change in business inventories of new autos assembled in the United States.
2. Consists of personal consumption expenditures, producers' durable equipment, and gross government investment.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines, excluding the lines in the addenda.

Table 8.6.—Truck Output

[Billions of dollars]

Truck output [1]	**133.1**	**136.7**	**138.9**	**134.2**	**138.5**	**145.0**	**140.2**	**149.4**
Final sales	**130.3**	**137.4**	**134.7**	**134.6**	**141.6**	**141.1**	**138.3**	**148.4**
Personal consumption expenditures	62.0	63.7	63.1	62.1	63.9	63.2	60.1	66.8
Producers' durable equipment	65.8	71.6	69.8	72.9	74.9	76.1	75.5	79.4
Net exports	–5.1	–4.7	–4.9	–6.3	–3.2	–5.4	–5.4	–6.7
Exports	7.7	9.0	9.0	8.5	10.2	10.2	10.0	10.4
Imports	12.8	13.7	14.0	14.8	13.4	15.7	15.3	17.1
Gross government investment	7.6	6.8	6.7	5.9	6.1	7.2	8.1	8.9
Change in business inventories	**2.8**	**–.7**	**4.1**	**–.4**	**–3.1**	**3.8**	**1.8**	**1.0**

1. Includes new trucks only.

Table 8.7.—Real Truck Output

[Billions of chained (1992) dollars]

Truck output [1]	**119.6**	**121.1**	**122.9**	**118.7**	**122.6**	**127.6**	**123.6**	**131.7**
Final sales	**117.0**	**121.7**	**119.1**	**119.0**	**125.3**	**124.2**	**121.9**	**130.8**
Personal consumption expenditures	55.6	55.8	55.4	54.2	55.4	54.6	51.9	57.7
Producers' durable equipment	58.9	63.7	61.9	64.7	67.0	67.8	67.5	71.0
Net exports	–4.3	–3.7	–4.0	–5.1	–2.3	–4.4	–4.5	–5.7
Exports	7.5	8.7	8.7	8.2	9.8	9.8	9.4	9.8
Imports	11.8	12.4	12.7	13.4	12.1	14.2	13.9	15.5
Gross government investment	6.8	6.1	5.9	5.2	5.5	6.4	7.2	8.0
Change in business inventories	**2.6**	**–.6**	**3.9**	**–.3**	**–2.9**	**3.6**	**1.7**	**.9**
Residual	0	–.2	–.2	.1	–.1	–.4	–.2	–.2

1. Includes new trucks only.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines.

B. Other NIPA and NIPA-Related Tables

Monthly Estimates:

Tables B.1 and B.2 include the most recent estimates of personal income and its components; these estimates were released on November 28, 1997 and include "preliminary" estimates for October 1997 and "revised" estimates for July through September.

Table B.1.—Personal Income

[Billions of dollars; monthly estimates seasonally adjusted at annual rates]

	1995	1996	1996				1997									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July r	Aug. r	Sept. r	Oct. p
Personal income	**6,150.8**	**6,495.2**	**6,582.0**	**6,575.6**	**6,615.2**	**6,664.4**	**6,700.1**	**6,750.3**	**6,788.2**	**6,800.9**	**6,822.8**	**6,863.5**	**6,874.2**	**6,914.3**	**6,937.6**	**6,972.8**
Wage and salary disbursements	3,429.5	3,632.5	3,694.6	3,683.5	3,713.4	3,753.7	3,754.1	3,799.1	3,821.3	3,822.1	3,835.1	3,867.6	3,869.9	3,902.2	3,912.4	3,936.3
Private industries	2,806.5	2,989.9	3,047.1	3,035.4	3,064.4	3,104.0	3,098.7	3,140.9	3,161.7	3,161.2	3,173.1	3,204.5	3,204.6	3,234.5	3,242.1	3,264.2
Commodity-producing industries	864.4	909.1	920.6	921.7	926.5	935.2	936.3	943.4	948.8	950.3	953.7	954.5	955.5	962.0	966.0	974.9
Manufacturing	648.4	674.7	681.8	681.8	684.7	690.4	690.5	693.4	698.4	699.5	700.3	701.2	701.5	706.5	709.2	717.1
Distributive industries	783.1	823.3	836.9	832.1	840.8	848.9	847.7	857.9	864.8	863.1	865.0	872.9	872.2	883.7	882.5	887.7
Service industries	1,159.0	1,257.5	1,289.6	1,281.6	1,297.1	1,319.9	1,314.6	1,339.6	1,348.1	1,347.7	1,354.5	1,377.1	1,376.8	1,388.9	1,393.7	1,401.6
Government	623.0	642.6	647.5	648.1	649.1	649.7	655.5	658.2	659.7	660.9	661.9	663.1	665.4	667.7	670.2	672.1
Other labor income	406.8	407.6	410.2	407.2	408.7	411.4	410.5	412.5	413.9	414.4	415.3	415.6	416.6	417.6	418.9	420.1
Proprietors' income with IVA and CCAdj	488.9	520.3	525.0	526.6	528.4	529.8	532.2	534.5	537.2	540.9	543.6	546.5	546.5	545.7	548.0	551.6
Farm	23.4	37.2	40.7	40.8	40.5	39.9	39.4	39.9	41.4	43.0	43.8	44.0	42.8	40.3	38.4	38.0
Nonfarm	465.5	483.1	484.4	485.8	487.9	490.0	492.8	494.6	495.8	497.9	499.8	502.4	503.7	505.3	509.6	513.6
Rental income of persons with CCAdj	132.8	146.3	149.2	149.2	149.2	149.1	148.5	149.3	149.2	149.3	148.9	147.8	147.6	148.6	148.3	147.6
Personal dividend income	251.9	291.2	292.7	293.7	295.0	296.9	310.7	312.5	314.4	316.3	318.3	320.3	322.4	324.5	326.6	328.6
Personal interest income	718.9	735.7	746.2	747.8	749.8	751.8	754.3	757.0	760.4	763.4	766.0	768.9	772.2	775.7	779.0	782.2
Transfer payments to persons	1,015.0	1,068.0	1,074.3	1,077.0	1,081.8	1,085.5	1,105.5	1,104.1	1,111.9	1,114.6	1,116.6	1,119.7	1,122.2	1,125.2	1,130.4	1,133.8
Old-age, survivors, disability, and health insurance benefits	507.8	537.6	540.8	542.3	546.2	548.2	559.5	555.6	561.5	562.4	564.8	565.9	567.3	570.4	570.4	571.9
Government unemployment insurance benefits	21.4	22.0	21.7	21.3	21.1	22.3	22.1	22.0	22.0	22.0	21.9	21.9	21.8	21.6	21.9	21.9
Other	485.7	508.4	511.9	513.4	514.6	515.0	523.9	526.5	528.4	530.2	529.9	531.9	533.1	533.2	538.1	540.0
Less: Personal contributions for social insurance	293.1	306.3	310.2	309.4	311.3	313.8	315.8	318.7	320.1	320.1	320.9	323.0	323.1	325.2	325.9	327.4

p Preliminary.
r Revised.
CCAdj Capital consumption adjustment
IVA Inventory valuation adjustment
Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B.2.—The Disposition of Personal Income

[Monthly estimates seasonally adjusted at annual rates]

	1995	1996	1996				1997									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July r	Aug. r	Sept. r	Oct. p
	Billions of dollars, unless otherwise indicated															
Personal income	**6,150.8**	**6,495.2**	**6,582.0**	**6,575.6**	**6,615.2**	**6,664.4**	**6,700.1**	**6,750.3**	**6,788.2**	**6,800.9**	**6,822.8**	**6,863.5**	**6,874.2**	**6,914.3**	**6,937.6**	**6,972.8**
Less: Personal tax and nontax payments	795.1	886.9	909.1	909.4	921.7	936.8	942.3	957.7	967.0	970.4	978.3	988.9	990.9	998.6	1,001.6	1,008.1
***Equals*: Disposable personal income**	**5,355.7**	**5,608.3**	**5,673.0**	**5,666.2**	**5,693.5**	**5,727.6**	**5,757.8**	**5,792.7**	**5,821.2**	**5,830.5**	**5,844.5**	**5,874.5**	**5,883.4**	**5,915.7**	**5,936.0**	**5,964.7**
Less: Personal outlays	5,101.1	5,368.8	5,403.2	5,450.0	5,470.2	5,505.9	5,565.9	5,578.5	5,579.5	5,592.3	5,592.7	5,623.5	5,687.9	5,701.7	5,721.8	5,751.5
Personal consumption expenditures	4,957.7	5,207.6	5,238.8	5,285.4	5,302.7	5,336.4	5,396.7	5,409.7	5,410.8	5,422.0	5,422.4	5,451.9	5,516.5	5,528.4	5,547.2	5,576.0
Durable goods	608.5	634.5	630.7	638.8	638.4	637.4	661.0	659.8	654.4	642.9	643.5	647.0	670.8	666.3	664.2	661.8
Nondurable goods	1,475.8	1,534.7	1,545.0	1,557.8	1,558.1	1,564.6	1,584.5	1,589.0	1,588.6	1,577.0	1,577.1	1,582.6	1,597.6	1,599.8	1,606.3	1,610.6
Services	2,873.4	3,038.4	3,063.0	3,088.8	3,106.2	3,134.5	3,151.1	3,160.9	3,167.8	3,202.1	3,201.8	3,222.3	3,248.0	3,262.3	3,276.7	3,303.6
Interest paid by persons	128.5	145.2	148.5	147.9	150.8	152.8	152.2	151.7	151.6	152.7	152.7	154.0	153.9	155.6	157.0	157.9
Personal transfer payments to rest of world	14.8	15.9	15.9	16.7	16.7	16.7	17.0	17.0	17.0	17.6	17.6	17.6	17.6	17.6	17.6	17.6
***Equals*: Personal savings**	**254.6**	**239.6**	**269.8**	**216.3**	**223.3**	**221.7**	**191.9**	**214.2**	**241.7**	**238.2**	**251.8**	**251.0**	**195.4**	**214.0**	**214.2**	**213.3**
Addenda:																
Disposable personal income:																
Billions of chained (1992) dollars [1]	4,964.2	5,076.9	5,110.3	5,087.2	5,101.1	5,123.0	5,142.3	5,159.4	5,181.4	5,185.5	5,198.7	5,218.3	5,216.9	5,239.8	5,249.1	5,266.6
Per capita:																
Current dollars	20,349	21,117	21,318	21,277	21,364	21,478	21,579	21,697	21,789	21,808	21,845	21,941	21,957	22,059	22,117	22,207
Chained (1992) dollars	18,861	19,116	19,204	19,103	19,142	19,211	19,272	19,326	19,394	19,396	19,431	19,490	19,469	19,539	19,558	19,608
Population (thousands)	263,194	265,579	266,106	266,308	266,492	266,672	266,826	266,975	267,161	267,354	267,541	267,741	267,952	268,171	268,390	268,592
Personal consumption expenditures:																
Billions of chained (1992) dollars	4,595.3	4,714.1	4,719.2	4,745.2	4,751.0	4,773.1	4,819.8	4,818.3	4,816.1	4,822.2	4,823.2	4,842.9	4,891.5	4,896.8	4,905.3	4,923.3
Durable goods	583.6	611.1	608.0	616.0	617.2	618.2	641.2	638.4	633.8	625.9	628.1	633.0	657.6	655.7	654.3	653.3
Nondurable goods	1,412.6	1,432.3	1,437.5	1,443.7	1,439.3	1,440.7	1,456.0	1,458.1	1,459.2	1,446.3	1,449.1	1,454.7	1,466.1	1,464.8	1,466.9	1,470.0
Services	2,599.6	2,671.0	2,673.9	2,686.1	2,694.7	2,714.0	2,724.2	2,723.2	2,724.2	2,749.1	2,745.5	2,755.0	2,769.8	2,777.7	2,785.1	2,800.4
Implicit price deflator, 1992=100	107.9	110.5	111.0	111.4	111.6	111.8	112.0	112.3	112.3	112.4	112.4	112.6	112.8	112.9	113.1	113.3
Personal saving as percentage of disposable personal income [2]	4.8	4.3	4.8	3.8	3.9	3.9	3.3	3.7	4.2	4.1	4.3	4.3	3.3	3.6	3.6	3.6
	Percent change from preceding period															
Personal income, current dollars	**6.2**	**5.6**	**0.7**	**–0.1**	**0.6**	**0.7**	**0.5**	**0.7**	**0.6**	**0.2**	**0.3**	**0.6**	**0.2**	**0.6**	**0.3**	**0.5**
Disposable personal income:																
Current dollars	6.0	4.7	.6	–.1	.5	.6	.5	.6	.5	.2	.2	.5	.2	.5	.3	.5
Chained (1992) dollars	3.3	2.3	.3	–.5	.3	.4	.4	.3	.4	.1	.3	.4	0	.4	.2	.3
Personal consumption expenditures:																
Current dollars	5.1	5.0	.2	.9	.3	.6	1.1	.2	0	.2	0	.5	1.2	.2	.3	.5
Chained (1992) dollars	2.4	2.6	0	.6	.1	.5	1.0	0	0	.1	0	.4	1.0	.1	.2	.4

1. Disposable personal income in chained (1992) dollars equals the current-dollar figure divided by the implicit price deflator for personal consumption expenditures.
2. Monthly estimates equal personal saving for the month as a percentage of disposable personal income for that month.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Annual Estimates:

Except as noted, these tables are derived from the NIPA tables published in the August 1997 SURVEY OF CURRENT BUSINESS ; they are consistent with the most recent comprehensive and annual revisions.

Table B.3.—Gross Domestic Product by Industry, Current-Dollar and Real Estimates for 1994–96

	Billions of dollars			Billions of chained (1992) dollars		
	1994	1995	1996	1994	1995	1996
Gross domestic product	**6,947.0**	**7,265.4**	**7,636.0**	**6,610.7**	**6,742.1**	**6,928.4**
Private industries	**6,013.5**	**6,301.3**	**6,639.8**	**5,763.6**	**5,921.4**	**6,094.1**
Agriculture, forestry and fishing	**119.2**	**111.0**	**129.8**	**119.1**	**111.4**	**111.7**
Farms	83.5	73.5	89.4	84.9	74.2	75.5
Agricultural services, forestry and fishing	35.7	37.5	40.5	34.9	37.0	37.6
Mining	**94.9**	**99.8**	**113.6**	**102.5**	**108.4**	**101.9**
Metal mining	5.9	6.8	6.8	5.7	5.5	6.3
Coal mining	13.1	12.3	12.3	15.5	15.7	16.6
Oil and gas extraction	66.7	71.0	84.4	72.2	77.7	69.4
Nonmetallic minerals, except fuels	9.2	9.6	10.2	9.2	9.5	10.1
Construction	**268.7**	**286.4**	**306.1**	**249.8**	**254.1**	**264.3**
Manufacturing	**1,216.1**	**1,286.3**	**1,332.1**	**1,193.2**	**1,273.7**	**1,323.7**
Durable goods	679.2	716.8	749.0	671.3	731.2	785.5
Lumber and wood products	38.4	40.7	41.4	29.8	31.6	33.6
Furniture and fixtures	18.5	19.4	20.5	18.0	18.7	18.8
Stone, clay, and glass products	28.8	30.7	32.7	27.0	27.7	29.1
Primary metal industries	46.3	52.0	50.6	45.0	44.4	46.8
Fabricated metal products	84.2	89.5	98.2	84.5	89.7	94.0
Industrial machinery and equipment	122.3	142.4	150.2	131.5	164.5	186.1
Electronic and other electric equipment	132.9	134.0	143.8	145.8	175.6	217.4
Motor vehicles and equipment	87.4	87.3	85.1	78.0	79.3	76.1
Other transportation equipment	49.5	46.9	49.7	47.6	43.8	44.5
Instruments and related products	48.7	49.7	52.3	45.1	42.6	38.3
Miscellaneous manufacturing industries	22.2	24.3	24.6	21.5	22.8	23.3
Nondurable goods	536.9	569.5	583.1	522.0	543.2	541.0
Food and kindred products	109.6	118.7	122.6	106.5	120.9	112.9
Tobacco products	16.3	17.6	18.1	22.3	24.3	23.9
Textile mill products	25.4	23.6	25.5	27.3	25.4	26.6
Apparel and other textile products	28.2	27.3	26.6	28.3	28.5	26.9
Paper and allied products	51.3	59.9	57.1	52.1	45.4	47.3
Printing and publishing	86.0	85.0	90.4	78.0	77.5	74.3
Chemicals and allied products	140.6	155.9	157.8	131.2	138.9	142.2
Petroleum and coal products	30.4	30.2	30.1	27.6	32.2	33.8
Rubber and miscellaenous plastics	44.4	46.1	49.7	45.4	48.2	50.9
Leather and leather products	4.7	5.1	5.2	4.5	4.7	4.8
Transportation and public utilities	**598.7**	**622.4**	**645.3**	**584.1**	**593.8**	**608.9**
Transportation	219.9	228.7	235.1	214.3	216.0	220.8
Railroad transportation	24.2	24.5	25.3	25.9	27.7	31.0
Local and interurban passenger transit	11.4	12.4	13.6	11.0	12.0	12.2
Trucking and warehousing	95.0	97.5	92.2	88.7	87.4	80.3
Water transportation	10.9	10.8	11.2	10.8	11.0	10.7
Transportation by air	51.7	54.9	63.2	51.4	49.8	59.0
Pipelines, except natural gas	4.6	5.7	5.5	4.8	5.4	5.0
Transportation services	22.1	23.0	24.0	21.7	23.2	24.0
Communications	184.6	191.6	200.3	176.9	178.4	181.6
Telephone and telegraph	142.1	144.1	149.6	137.9	136.4	141.2
Radio and television	42.5	47.5	50.6	38.8	41.7	40.4
Electric, gas, and sanitary services	194.2	202.0	210.0	193.1	199.6	207.0
Wholesale trade	**468.0**	**484.4**	**516.8**	**448.6**	**457.5**	**493.3**
Retail trade	**615.3**	**637.6**	**667.9**	**601.2**	**622.5**	**648.5**
Finance, insurance, and real estate	**1,267.6**	**1,361.3**	**1,448.5**	**1,196.9**	**1,231.1**	**1,258.5**
Depository instituions	207.4	229.6	247.4	197.0	193.4	192.0
Nondepository institutions	36.1	39.0	49.9	33.9	32.6	35.4
Security and commodity brokers	78.5	79.5	90.0	83.0	81.9	92.2
Insurance carriers	108.8	126.5	136.6	91.3	105.1	110.1
Insurance agents, brokers, and services	45.0	47.1	50.4	41.6	42.1	43.6
Real estate	802.9	842.7	886.2	758.3	775.6	793.3
Nonfarm housing services	607.3	642.8	673.3	573.3	587.9	596.8
Other real estate	195.6	199.9	212.9	185.0	187.7	196.6
Holding and other investment offices	–11.1	–3.2	–12.0	12.9	12.6	12.6
Services	**1,350.4**	**1,440.3**	**1,539.5**	**1,256.5**	**1,298.8**	**1,342.9**
Hotels and other lodging places	57.4	60.6	63.7	54.4	55.4	55.8
Personal services	45.8	46.6	49.1	42.6	42.4	43.3
Business services	256.0	283.3	318.5	247.1	271.3	295.7
Auto repair, services, and parking	59.3	61.1	65.0	53.3	53.3	55.3
Miscellaneous repair services	19.2	20.7	22.5	16.7	17.0	15.9
Motion pictures	23.0	25.9	29.9	21.8	23.9	26.2
Amusement and recreation services	51.4	56.2	60.8	47.5	49.7	51.6
Health services	410.2	428.9	447.0	369.7	371.6	376.6
Legal services	93.8	96.5	100.0	86.0	85.5	85.1
Educational services	52.3	55.1	58.2	48.9	49.6	50.7
Social services	43.2	46.7	49.3	41.6	43.7	44.9
Membership organizations	45.1	47.0	48.9	42.1	42.5	43.1
Other services	182.6	199.9	215.2	175.4	184.6	192.9
Private households	11.0	11.8	11.5	10.4	10.8	10.1
Statistical discrepancy [1]	**14.6**	**–28.2**	**–59.9**	**13.9**	**–26.3**	**–54.7**
Government	**933.5**	**964.1**	**996.3**	**878.3**	**877.4**	**874.1**
Federal	**324.9**	**326.2**	**331.5**	**306.9**	**297.1**	**290.6**
General government	275.2	275.5	281.4	258.4	248.1	240.9
Government enterprises	49.7	50.7	50.2	48.6	49.0	49.7
State and local	**608.6**	**637.9**	**664.7**	**571.3**	**580.3**	**583.4**
General government	557.5	583.4	607.6	524.2	532.2	535.2
Government enterprises	51.1	54.5	57.1	47.1	48.0	48.2
Not allocated by industry [2]	.....	.....	.....	**–60.4**	**–87.9**	**–101.1**

1. The current-dollar statistical discrepancy equals gross domestic product (GDP) measured as the sum of expenditures less gross domestic income—that is, GDP measured as the costs incurred and profits earned in domestic production. The chained (1992) dollar statistical discrepancy equals the current-dollar discrepancy deflated by the implicit price deflator for gross domestic business product.

2. Equals GDP in chained (1992) dollars less the statistical discrepancy and the sum of GPO of the detailed industries.

NOTE.—Estimates are based on the 1987 Standard Industrial Classification. The table is derived from tables 7 and 10 in "Gross Product by Industry, 1947–96" in the November 1997 SURVEY OF CURRENT BUSINESS. The estimates reflect the most recent annual revision of the NIPA's.

Table B.4.—Personal Consumption Expenditures by Type of Expenditure

	Billions of dollars			Billions of chained (1992) dollars		
	1994	1995	1996	1994	1995	1996
Personal consumption expenditures	**4,717.0**	**4,957.7**	**5,207.6**	**4,486.0**	**4,595.3**	**4,714.1**
Food and tobacco	**761.7**	**783.8**	**805.7**	**735.0**	**737.9**	**736.5**
Food purchased for off-premise consumption (n.d.)	451.6	462.2	478.4	434.5	433.4	434.7
Purchased meals and beverages [1] (n.d.)	254.3	264.1	268.7	245.1	248.7	246.6
Food furnished to employees (including military) (n.d.)	8.1	8.4	8.7	7.8	7.9	8.0
Food produced and consumed on farms (n.d.)	.5	.4	.4	.5	.5	.4
Tobacco products (n.d.)	47.3	48.7	49.6	47.2	47.4	46.8
Addenda: Food excluding alcoholic beverages (n.d.)	633.6	652.0	669.9	608.7	610.2	608.7
Alcoholic beverages purchased for off-premise consumption (n.d.)	53.9	54.9	57.3	53.7	54.5	55.5
Other alcoholic beverages (n.d.)	27.0	28.2	28.9	25.6	25.9	25.7
Clothing, accessories, and jewelry	**312.7**	**323.4**	**336.3**	**308.5**	**321.8**	**335.3**
Shoes (n.d.)	36.0	36.8	38.1	35.7	36.6	37.6
Clothing and accessories except shoes [2]	211.6	217.7	226.0	211.2	220.6	229.9
Women's and children's (n.d.)	137.5	141.3	145.8	137.0	144.2	150.7
Men's and boys' (n.d.)	74.1	76.4	80.2	74.1	76.4	79.2
Standard clothing issued to military personnel (n. d)	.3	.3	.3	.3	.3	.3
Cleaning, storage, and repair of clothing and shoes (s.)	11.6	12.3	12.3	11.0	11.5	11.3
Jewelry and watches (d.)	37.7	39.3	41.6	35.6	36.8	39.7
Other [3] (s.)	15.6	17.1	18.1	14.7	16.0	16.6
Personal care	**68.4**	**71.9**	**75.7**	**65.5**	**67.9**	**70.1**
Toilet articles and preparations (n.d.)	45.3	47.2	49.9	43.7	45.0	47.0
Barbershops, beauty parlors, and health clubs (s.)	23.0	24.7	25.7	21.8	22.9	23.0
Housing	**712.7**	**750.3**	**787.2**	**674.3**	**688.2**	**700.2**
Owner-occupied nonfarm dwellings space rent [4] (s.)	507.0	532.2	558.3	479.6	487.2	495.3
Tenant-occupied nonfarm dwellings rent [5] (s.)	174.0	184.6	193.6	165.2	171.1	174.9
Rental value of farm dwellings (s.)	5.8	5.9	6.1	5.2	5.2	5.1
Other [6] (s.)	26.0	27.5	29.1	24.3	24.8	25.0
Household operation	**535.0**	**562.8**	**591.9**	**514.5**	**533.6**	**548.4**
Furniture, including mattresses and bedsprings (d.)	45.9	48.0	49.6	43.2	44.2	44.6
Kitchen and other household appliances [7] (d.)	25.6	27.2	27.8	25.0	26.6	27.1
China, glassware, tableware, and utensils (d.)	24.0	25.3	27.4	23.5	25.0	26.9
Other durable house furnishings [8] (d.)	52.3	54.5	58.2	51.4	53.1	56.1
Semidurable house furnishings [9] (n.d.)	27.2	28.9	30.1	25.7	26.9	28.2
Cleaning and polishing preparations, and miscellaneous household supplies and paper products (n. d)	50.8	52.3	54.5	50.2	50.0	50.6
Stationery and writing supplies (n.d.)	15.1	15.8	17.0	14.4	14.4	14.8
Household utilities	163.8	168.5	177.9	156.3	159.4	163.1
Electricity (s.)	84.2	88.0	90.3	82.6	84.3	85.2
Gas (s.)	32.4	31.5	34.9	30.0	30.7	32.7
Water and other sanitary services (s.)	36.6	38.8	41.1	33.0	33.8	34.6
Fuel oil and coal (n.d.)	10.5	10.2	11.6	10.7	10.5	10.6
Telephone and telegraph (s.)	82.6	90.2	96.9	79.6	86.6	91.1
Domestic service (s.)	11.9	12.8	12.5	11.2	11.7	11.0
Other [10] (s.)	35.8	39.4	40.1	34.2	35.9	35.3
Medical care	**826.1**	**871.6**	**912.8**	**751.0**	**766.2**	**782.4**
Drug preparations and sundries [11] (n.d.)	81.6	85.7	90.9	76.7	79.1	81.7
Ophthalmic products and orthopedic appliances (d.)	12.9	13.1	13.9	12.3	12.2	12.6
Physicians (s.)	180.0	191.4	196.5	162.4	166.1	169.3
Dentists (s.)	43.9	47.6	50.9	39.8	41.1	42.0
Other professional services [12] (s.)	95.7	104.4	110.2	89.2	95.6	99.1
Hospitals and nursing homes [13]	357.0	375.9	394.2	331.5	336.6	343.1
Hospitals	298.1	310.6	325.1	276.9	278.5	284.4
Nonprofit (s.)	200.2	207.9	217.3	187.8	188.2	191.8
Proprietary (s.)	32.1	34.5	37.1	29.2	30.3	31.9
Government (s.)	65.8	68.2	70.7	59.9	60.0	60.7
Nursing homes (s.)	58.9	65.2	69.1	54.6	58.1	58.7
Health insurance	55.0	53.6	56.3	40.0	37.5	36.9
Medical care and hospitalization [14] (s.)	42.9	40.7	41.8	36.6	35.2	34.7
Income loss [15] (s.)	2.7	2.9	3.2	2.4	2.5	2.6
Workers' compensation [16] (s.)	9.4	10.0	11.3	2.3	1.8	1.8
Personal business	**370.4**	**389.1**	**421.1**	**352.1**	**350.7**	**363.6**
Brokerage charges and investment counseling (s.)	36.2	38.8	47.2	37.8	41.8	50.0
Bank service charges, trust services, and safe deposit box rental (s.)	31.6	33.9	37.3	27.5	27.8	28.9
Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans (s.)	151.5	159.8	169.9	146.5	141.9	143.9
Expense of handling life insurance [17] (s.)	72.6	75.4	79.9	68.1	67.9	68.5
Legal services (s.)	48.8	49.1	52.2	45.3	44.0	45.2
Funeral and burial expenses (s.)	11.1	12.2	12.8	10.1	10.5	10.4
Other [18] (s.)	18.5	19.9	21.8	17.1	17.6	18.7
Transportation	**542.2**	**572.3**	**602.2**	**515.3**	**528.0**	**540.3**
User-operated transportation	502.6	530.1	557.7	476.6	487.8	497.7
New autos (d.)	91.2	87.1	86.1	86.2	80.6	78.2
Net purchases of used autos (d.)	44.1	52.4	55.3	37.5	40.8	42.1
Other motor vehicles (d.)	76.8	79.4	82.1	71.4	71.7	72.5
Tires, tubes, accessories, and other parts (d.)	34.5	35.8	37.9	35.1	36.2	38.3
Repair, greasing, washing, parking, storage, rental, and leasing (s.)	116.4	128.7	140.1	108.5	116.5	123.3
Gasoline and oil (n.d.)	109.4	114.4	122.6	109.8	113.1	114.1
Bridge, tunnel, ferry, and road tolls (s.)	2.6	2.8	2.9	2.4	2.4	2.5
Insurance [19] (s.)	27.5	29.4	30.9	25.6	26.0	26.2
Purchased local transportation	8.9	9.2	10.1	8.6	8.5	8.5
Mass transit systems (s.)	5.9	6.0	6.6	5.7	5.5	5.6
Taxicab (s.)	3.0	3.2	3.5	2.9	3.0	3.0
Purchased intercity transportation	30.7	33.0	34.4	30.1	31.7	34.2
Railway (s.)	.7	.8	.8	.7	.7	.7
Bus (s.)	1.1	1.3	1.3	1.1	1.4	1.4
Airline (s.)	25.8	27.7	28.2	25.5	26.8	28.8
Other [20] (s.)	3.2	3.3	4.0	2.8	2.8	3.3
Recreation	**370.2**	**402.5**	**431.1**	**365.2**	**395.7**	**424.4**
Books and maps (d.)	20.6	22.1	23.2	19.6	20.6	20.8
Magazines, newspapers, and sheet music (n.d.)	24.5	25.5	26.5	22.9	22.9	22.7
Nondurable toys and sport supplies (n.d.)	39.7	42.2	45.4	38.9	41.4	43.9
Wheel goods, sports and photographic equipment, boats, and pleasure aircraft (d.)	35.6	39.1	42.0	34.8	37.7	40.3
Video and audio products, computing equipment, and musical instruments (d.)	78.5	85.2	89.7	87.4	101.8	119.5
Radio and television repair (s.)	4.5	4.9	5.1	4.2	4.5	4.5
Flowers, seeds, and potted plants (n.d.)	13.4	13.9	14.9	13.4	13.2	14.4
Admissions to specified spectator amusements 19.0 20.2 22.1 17.8 18.2 18.9 Motion picture theaters (s.)	5.6	6.0	6.3	5.2	5.4	5.4
Legitimate theaters and opera, and entertainments of nonprofit institutions (except athletics) (s.)	8.2	8.7	9.3	7.7	7.9	8.0
Spectator sports [21] (s.)	5.2	5.5	6.4	4.9	5.0	5.5
Clubs and fraternal organizations [22] (s.)	11.8	12.7	13.0	11.2	11.5	11.8
Commercial participant amusements [23] (s.)	36.2	41.5	46.2	34.1	38.0	41.1
Pari-mutuel net receipts (s.)	3.3	3.3	3.5	3.1	3.1	3.1
Other [24] (s.)	83.1	91.9	99.6	79.1	85.5	89.3
Education and research	**104.7**	**112.2**	**119.6**	**96.8**	**99.4**	**102.7**
Higher education [25] (s.)	59.0	62.2	65.2	53.1	53.7	54.0
Nursery, elementary, and secondary schools [26] (s.)	21.4	22.8	24.0	20.4	20.8	21.7
Other [27] (s.)	24.4	27.2	30.3	23.4	25.0	27.2
Religious and welfare activities [28] (s.)	**131.2**	**139.8**	**150.5**	**125.6**	**128.6**	**136.6**
Foreign travel and other, net	**–18.3**	**–22.1**	**–26.5**	**–16.2**	**–19.5**	**–21.5**
Foreign travel by U. S. residents (s.)	50.1	51.9	54.9	48.8	48.9	50.8
Expenditures abroad by U. S. residents (n.d.)	2.7	2.6	2.6	2.8	2.4	2.4
Less: Expenditures in the United States by nonresidents (s.)	69.7	75.2	82.7	66.4	69.5	73.5
Less: Personal remittances in kind to nonresidents (n.d.)	1.4	1.4	1.2	1.3	1.3	1.1
Residual	.....	.....	.....	–5.7	–10.6	–17.8

1. Consists of purchases (including tips) of meals and beverages from retail, service, and amusement establishments, hotels, dining and buffet cars, schools, school fraternities, institutions, clubs, and industrial lunchrooms. Includes meals and beverages consumed both on-and off-premise.
2. Includes luggage.
3. Consists of watch, clock, and jewelry repairs, costume and dress suit rental, and miscellaneous personal services.
4. Consists of rent for space and for heating and plumbing facilities, water heaters, lighting fixtures, kitchen cabinets, linoleum, storm windows and doors, window screens, and screen doors, but excludes rent for appliances and furniture and purchases of fuel and electricity.
5. Consists of space rent (see footnote 4) and rent for appliances, furnishings, and furniture.
6. Consists of transient hotels, motels, clubs, schools, and other group housing.
7. Consists of refrigerators and freezers, cooking ranges, dishwashers, laundry equipment, stoves, room air conditioners, sewing machines, vacuum cleaners, and other appliances.
8. Includes such house furnishings as floor coverings, comforters, quilts, blankets, pillows, picture frames, mirrors, art products, portable lamps, and clocks. Also includes writing equipment and hand, power, and garden tools.
9. Consists largely of textile house furnishings, including piece goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes.
10. Consists of maintenance services for appliances and house furnishings, moving and warehouse expenses, postage and express charges, premiums for fire and theft insurance on personal property less benefits and dividends, and miscellaneous household operation services.
11. Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services.
12. Consists of osteopathic physicians, chiropractors, private duty nurses, chiropodists, podiatrists, and others providing health and allied services, not elsewhere classified.
13. Consists of (1) current expenditures (including consumption of fixed capital) of nonprofit hospitals and nursing homes, and (2) payments by patients to proprietary and government hospitals and nursing homes.
14. Consists of (1) premiums, less benefits and dividends, for health, hospitalization, and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including consumption of fixed capital) of Blue Cross and Blue Shield plans and of other independent prepaid and self-insured health plans.
15. Consists of premiums, less benefits and dividends, for income loss insurance.
16. Consists of premiums, less benefits and dividends, for privately administered workers' compensation.
17. Consists of (1) operating expenses of life insurance carriers and private noninsured pension plans, and (2) premiums, less benefits and dividends, of fraternal benefit societies. Excludes expenses allocated by commercial carriers to accident and health insurance.
18. Consists of current expenditures (including consumption of fixed capital) of trade unions and professional associations, employment agency fees, money order fees, spending for classified advertisements, tax return preparation services, and other personal business services.
19. Consists of premiums, less benefits and dividends, for motor vehicle insurance.
20. Consists of baggage charges, coastal and inland waterway fares, travel agents' fees, and airport bus fares.
21. Consists of admissions to professional and amateur athletic events and to racetracks.
22. Consists of dues and fees excluding insurance premiums.
23. Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations; casino gambling; and other commercial participant amusements.
24. Consists of net receipts of lotteries and expenditures for purchases of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, video cassette rentals, and recreational services, not elsewhere classified.
25. For private institutions, equals current expenditures (including consumption of fixed capital) less receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures, and less expenditures for research and development financed under contracts or grants. For government institutions, equals student payments of tuition.
26. For private institutions, equals current expenditures (including consumption of fixed capital) less receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures. For government institutions, equals student payments of tuition. Excludes child day care services, which are included in religious and welfare activities.
27. Consists of (1) fees paid to commercial, business, trade, and correspondence schools and for educational services, not elsewhere classified, and (2) current expenditures (including consumption of fixed capital) by research organizations and foundations for education and research.
28. For nonprofit institutions, equals current expenditures (including consumption of fixed capital) of religious, social welfare, foreign relief, and political organizations, museums, libraries, and foundations. The expenditures are net of receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures, and excludes relief payments within the United States and expenditures by foundations for education and research. For proprietary and government institutions, equals receipts from users.

NOTES.—Consumer durable goods are designated (d.), nondurable goods (n.d.), and services (s.).

Estimates of foreign travel by U. S. residents (line 108) expenditures were $0.3 billion in 1981. Beginning with 1984, estimates of foreign travel by U. S. residents include substantially improved estimates of U. S. residents' foreign travel and passenger fare expenditures. Estimates of expenditures in the United States by nonresidents (line 110) include, beginning with 1981, nonresidents' student and medical care expenditures in the United States. Student expenditures were $2.2 billion, and medical expenditures were $0.4 billion in 1981. Beginning with 1984, estimates of expenditures in the United States by nonresidents include substantially improved estimates of nonresidents' travel expenditures. Expenditures in the United States by nonresidents are subtracted from total personal consumption expenditures (line 110) because they are included in detailed type of expenditure estimates elsewhere in personal consumption expenditures.

Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines.

Table B.5.—Private Purchases of Structures by Type

	Billions of dollars			Billions of chained (1992) dollars		
	1994	1995	1996	1994	1995	1996
Private purchases of structures	**463.6**	**478.4**	**517.0**	**432.8**	**430.0**	**453.7**
Nonresidential	**184.5**	**200.6**	**215.2**	**172.5**	**179.9**	**188.7**
New	184.3	200.2	214.7	172.2	179.5	188.2
Nonresidential buildings, excluding farm	125.5	140.8	156.1	116.9	126.1	136.7
Industrial	28.9	32.5	32.1	27.0	29.1	28.1
Commercial	61.9	70.8	77.6	57.7	63.4	68.0
Office buildings [1]	25.8	29.8	32.1	24.1	26.7	28.2
Other [2]	36.1	41.0	45.5	33.6	36.7	39.8
Religious	3.8	4.2	4.4	3.5	3.8	3.9
Educational	5.6	6.2	7.5	5.2	5.6	6.6
Hospital and institutional	13.7	12.5	13.4	12.7	11.2	11.7
Other [3]	11.6	14.5	21.1	10.8	13.0	18.5
Utilities	32.0	33.2	33.3	29.9	30.0	29.3
Railroads	3.3	3.5	4.6	3.0	3.1	3.9
Telecommunications	10.1	11.0	11.9	9.6	10.1	10.4
Electric light and power	13.0	12.3	11.0	12.1	11.0	9.8
Gas	4.6	5.5	4.7	4.2	5.0	4.2
Petroleum pipelines	1.0	.9	1.0	.9	.8	.9
Farm	3.2	3.0	3.7	3.0	2.7	3.2
Mining exploration, shafts, and wells	16.7	16.3	16.1	15.8	14.3	13.9
Petroleum and natural gas	14.7	14.8	14.8	14.0	13.0	12.7
Other	1.9	1.5	1.3	1.8	1.3	1.1
Other [4]	6.9	6.9	5.7	6.6	6.3	5.0
Brokers' commissions on sale of structures	1.5	1.6	1.8	1.4	1.5	1.6
Net purchases of used structures	–1.2	–1.3	–1.3	–1.2	–1.1	–1.2
Residential	**279.1**	**277.8**	**301.7**	**260.3**	**250.0**	**265.0**
New	248.5	246.9	267.0	230.8	220.8	233.6
New housing units	177.2	174.4	192.1	162.0	153.1	165.2
Permanent site	167.9	163.1	179.4	153.7	143.5	154.8
Single-family structures	153.8	145.2	159.1	140.1	126.9	136.6
Multifamily structures	14.1	17.9	20.3	13.6	16.9	18.6
Mobile homes	9.3	11.3	12.6	8.3	9.5	10.3
Improvements	71.0	72.0	74.4	68.4	67.3	67.7
Other [5]	.3	.5	.6	.3	.4	.5
Brokers' commissions on sale of structures	31.6	32.1	36.3	30.4	30.3	32.7
Net purchases of used structures	–1.0	–1.1	–1.6	–.9	–1.0	–1.4
Residual	.....	.....	.....	.3	–.1	.3

1. Consists of office buildings, except those constructed at industrial sites and those constructed by utilities for their own use.
2. Consists of stores, restaurants, garages, service stations, warehouses, mobile structures, and other buildings used for commercial purposes.
3. Consists of hotels and motels, buildings used primarily for social and recreational activities, and buildings not elsewhere classified, such as passenger terminals, greenhouses, and animal hospitals.
4. Consists primarily of streets, dams and reservoirs, sewer and water facilities, parks, and airfields.
5. Consists primarily of dormitories, fraternity and sorority houses, and nurses' homes.

NOTE. Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines.

Table B.6.—Private Purchases of Producers' Durable Equipment by Type

	Billions of dollars			Billions of chained (1992) dollars		
	1994	1995	1996	1994	1995	1996
Private purchases of producers' durable equipment	**483.0**	**529.6**	**573.7**	**483.5**	**535.2**	**593.1**
Nonresidential equipment	**476.1**	**522.4**	**566.2**	**476.8**	**528.3**	**586.0**
Information processing and related equipment	152.1	172.8	195.1	165.1	201.8	253.1
Office, computing, and accounting machinery	59.3	73.5	88.1	73.9	108.1	164.2
Computers and peripheral equipment [1]	51.8	65.6	78.7	67.2	102.8	160.8
Other	7.5	7.9	9.3	7.3	7.5	9.0
Communication equipment	52.8	59.4	65.9	53.7	62.0	69.9
Instruments	22.1	22.4	23.4	21.2	21.2	21.8
Photocopy and related equipment	17.9	17.6	17.7	17.3	16.6	16.4
Industrial equipment	109.3	121.5	127.5	105.5	113.4	117.0
Fabricated metal products	10.5	11.1	11.7	10.4	10.6	11.0
Engines and turbines	4.8	4.2	4.0	4.6	4.0	3.7
Metalworking machinery	24.4	28.2	29.6	23.3	26.0	26.6
Special industry machinery, n.e.c.	26.9	31.2	32.8	25.9	29.0	29.9
General industrial, including materials handling, equipment	23.6	25.8	28.5	22.6	24.0	26.0
Electrical transmission, distribution, and industrial apparatus	19.0	20.9	20.9	18.6	19.8	19.7
Transportation and related equipment	118.6	125.7	134.5	113.2	118.9	125.0
Trucks, buses, and truck trailers	55.0	63.3	68.9	50.6	56.7	61.3
Autos	48.0	42.3	45.3	47.8	43.4	45.1
Aircraft	8.9	12.8	13.4	8.4	11.6	11.8
Ships and boats	1.5	1.5	1.6	1.5	1.4	1.4
Railroad equipment	5.1	5.7	5.3	4.9	5.2	4.6
Other equipment	99.9	106.9	113.7	96.0	100.3	104.6
Furniture and fixtures	25.6	28.1	30.2	24.5	26.2	27.4
Tractors	9.9	10.4	10.9	9.5	9.8	10.2
Agricultural machinery, except tractors	9.7	10.4	10.9	9.2	9.6	9.9
Construction machinery, except tractors	12.0	13.5	14.4	11.4	12.4	13.0
Mining and oilfield machinery	1.5	1.8	2.3	1.5	1.7	2.1
Service industry machinery	13.4	14.4	15.2	13.0	13.5	14.0
Electrical equipment, n.e.c.	10.7	10.8	11.1	10.6	10.4	10.8
Other	16.9	17.5	18.6	16.3	16.5	17.2
Less: Sale of equipment scrap, excluding autos	3.7	4.5	4.6	3.1	3.4	3.8
Residential equipment	**6.9**	**7.2**	**7.5**	**6.7**	**7.0**	**7.1**
Residual	.....	.....	.....	–1.4	–10.3	–33.8
Addenda:						
Private purchases of producers' durable equipment	483.0	529.6	573.7	.....	.....	.....
Less: Dealers' margin on used equipment	4.9	5.3	5.8	.....	.....	.....
Net purchases of used equipment from government	1.0	1.1	1.2	.....	.....	.....
Plus: Net sales of used equipment	31.3	37.6	39.7	.....	.....	.....
Net exports of used equipment	1.5	.6	.7	.....	.....	.....
Sale of equipment scrap	3.8	4.6	4.6	.....	.....	.....
Equals: Private purchases of new equipment	513.7	566.0	611.8	.....	.....	.....

1. Includes new computers and peripheral equipment only.

NOTE. Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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 residual line is the difference between the first line and the sum of the most detailed lines.
n.e.c. Not elsewhere classified.

Table B.7.—Compensation and Wage and Salary Accruals by Industry

[Millions of dollars]

	Compensation			Wage and salary accruals		
	1994	1995	1996	1994	1995	1996
Total	**4,012,002**	**4,215,434**	**4,426,912**	**3,254,030**	**3,442,583**	**3,633,641**
Domestic industries	**4,014,482**	**4,217,968**	**4,429,472**	**3,256,510**	**3,445,117**	**3,636,201**
Private industries	**3,213,814**	**3,392,629**	**3,574,191**	**2,654,320**	**2,822,137**	**2,993,607**
Agriculture, forestry, and fishing	**34,780**	**37,011**	**39,619**	**29,852**	**31,915**	**34,476**
Farms	14,477	15,588	16,385	12,325	13,309	14,163
Agricultural services, forestry, and fishing	20,303	21,423	23,234	17,527	18,606	20,313
Mining	**32,656**	**32,892**	**33,678**	**26,378**	**26,843**	**27,644**
Metal mining	2,791	3,145	3,358	2,187	2,518	2,707
Coal mining	6,375	6,174	5,974	4,993	4,884	4,739
Oil and gas extraction	19,069	18,929	19,539	15,606	15,628	16,240
Nonmetallic minerals, except fuels	4,421	4,644	4,807	3,592	3,813	3,958
Construction	**182,016**	**193,746**	**209,279**	**147,425**	**157,684**	**172,234**
Manufacturing	**792,034**	**816,853**	**839,754**	**625,496**	**651,750**	**675,067**
Durable goods	486,844	505,167	521,750	379,616	398,272	416,061
Lumber and wood products	23,018	23,802	24,832	18,495	19,401	20,459
Furniture and fixtures	14,927	15,443	15,754	11,986	12,584	12,964
Stone, clay, and glass products	21,564	22,129	22,920	17,054	17,706	18,548
Primary metal industries	36,102	37,261	37,888	26,841	27,990	28,866
Fabricated metal products	56,398	58,594	60,161	44,496	46,794	48,553
Industrial machinery and equipment	95,407	100,891	105,182	76,720	82,191	86,528
Electronic and other electric equipment	72,726	77,181	80,895	58,302	62,681	66,179
Motor vehicles and equipment	61,771	65,047	65,911	42,384	44,886	46,377
Other transportation equipment	47,367	46,243	47,105	36,861	36,172	37,186
Instruments and related products	44,806	45,579	47,745	35,960	37,013	39,158
Miscellaneous manufacturing industries	12,758	12,997	13,357	10,517	10,854	11,243
Nondurable goods	305,190	311,686	318,004	245,880	253,478	259,006
Food and kindred products	59,381	61,042	62,422	47,614	49,527	50,746
Tobacco products	2,768	2,949	3,014	2,062	2,215	2,268
Textile mill products	19,274	18,956	18,744	15,840	15,697	15,544
Apparel and other textile products	21,352	20,996	20,379	17,442	17,322	16,816
Paper and allied products	32,236	32,936	33,661	26,230	27,058	27,672
Printing and publishing	58,652	60,387	62,308	48,193	50,087	51,718
Chemicals and allied products	63,653	65,393	67,538	50,743	52,582	54,411
Petroleum and coal products	10,769	10,834	10,738	7,796	7,837	7,791
Rubber and miscellaneous plastics products	34,133	35,322	36,478	27,527	28,784	29,803
Leather and leather products	2,972	2,871	2,722	2,433	2,369	2,237
Transportation and public utilities	**265,575**	**276,517**	**287,023**	**211,840**	**221,770**	**231,072**
Transportation	144,649	150,664	156,924	113,626	119,110	124,815
Railroad transportation	15,346	15,313	15,525	11,249	11,271	11,422
Local and interurban passenger transit	8,911	9,374	10,101	7,292	7,731	8,381
Trucking and warehousing	63,763	66,914	60,838	49,750	52,594	47,040
Water transportation	7,757	7,843	7,895	6,238	6,323	6,429
Transportation by air	34,424	35,714	46,492	27,189	28,339	38,220
Pipelines, except natural gas	1,126	1,051	1,007	929	869	829
Transportation services	13,322	14,455	15,066	10,979	11,983	12,494
Communications	67,070	71,112	75,153	55,320	58,933	62,279
Telephone and telegraph	51,679	53,701	56,202	42,517	44,315	46,361
Radio and television	15,391	17,411	18,951	12,803	14,618	15,918
Electric, gas, and sanitary services	53,856	54,741	54,946	42,894	43,727	43,978
Wholesale trade	**259,828**	**276,202**	**289,438**	**217,964**	**234,467**	**246,452**
Retail trade	**365,722**	**383,120**	**399,951**	**313,776**	**329,936**	**345,994**
Finance, insurance, and real estate	**310,211**	**324,894**	**350,180**	**260,045**	**273,124**	**296,112**
Depository institutions	77,101	80,243	83,793	62,949	65,664	69,013
Nondepository institutions	21,474	21,677	25,089	18,087	18,317	21,223
Security and commodity brokers	53,798	59,450	68,973	46,857	51,967	60,688
Insurance carriers	70,378	72,737	75,871	58,148	60,125	63,079
Insurance agents, brokers, and service	29,514	31,008	32,828	25,039	26,384	28,031
Real estate	41,284	42,182	44,906	34,567	35,442	37,910
Holding and other investment offices	16,662	17,597	18,720	14,398	15,225	16,168
Services	**970,992**	**1,051,394**	**1,125,269**	**821,544**	**894,648**	**964,556**
Hotels and other lodging places	34,231	35,886	37,676	28,966	30,557	32,322
Personal services	22,439	23,495	24,609	19,383	20,405	21,518
Business services	168,265	193,888	221,473	142,292	165,300	190,526
Auto repair, services, and parking	25,924	27,830	30,388	22,053	23,824	26,212
Miscellaneous repair services	10,222	11,247	12,103	8,709	9,650	10,455
Motion pictures	14,426	16,837	18,956	12,224	14,399	16,289
Amusement and recreation services	31,264	34,526	37,235	26,179	29,150	31,764
Health services	325,041	344,680	359,179	271,678	289,564	303,790
Legal services	56,886	58,333	60,452	48,407	49,761	51,905
Educational services	49,079	51,755	54,601	41,294	43,697	46,503
Social services and membership organizations	86,121	91,565	95,877	73,364	78,346	82,749
Social services	42,375	45,862	48,350	35,109	38,282	40,766
Membership organizations	43,746	45,703	47,527	38,255	40,064	41,983
Other services [1]	136,059	149,531	161,263	116,205	128,432	139,316
Private households	11,035	11,821	11,457	10,790	11,563	11,207
Government	**800,668**	**825,339**	**855,281**	**602,190**	**622,980**	**642,594**
Federal	258,006	258,051	264,853	173,413	175,045	177,228
General government	208,312	207,288	212,849	139,744	140,708	142,038
Civilian	123,976	123,427	125,174	84,864	84,540	85,541
Military [2]	84,336	83,861	87,675	54,880	56,168	56,497
Government enterprises	49,694	50,763	52,004	33,669	34,337	35,190
State and local	542,662	567,288	590,428	428,777	447,935	465,366
General government	506,154	529,188	551,031	399,489	417,381	433,845
Education	265,457	279,024	292,665	207,472	217,962	228,252
Other	240,697	250,164	258,366	192,017	199,419	205,593
Government enterprises	36,508	38,100	39,397	29,288	30,554	31,521
Rest of the world	**–2,480**	**–2,534**	**–2,560**	**–2,480**	**–2,534**	**–2,560**
Receipts from the rest of the world	1,239	1,323	1,338	1,239	1,323	1,338
Less: Payments to the rest of the world [3]	3,719	3,857	3,898	3,719	3,857	3,898
Addenda:						
Households and institutions	312,741	331,760	346,034	.....	.....	.....
Nonfarm business	2,972,798	3,134,144	3,303,173	.....	.....	.....

1. Consists of museums, botanical, zoological gardens; engineering and management services; and services, not elsewhere classified.
2. Includes Coast Guard.
3. Beginning with 1993, includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

NOTE.—Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Compensation equals wage and salary accruals plus supplements to wages and salaries. "Supplements" are listed in table 8.15 of the August 1997 SURVEY OF CURRENT BUSINESS.

Table B.8.—Employment by Industry

[Thousands]

	Full-time and part-time employment			Persons engaged in production [1]		
	1994	1995	1996	1994	1995	1996
Total	**121,695**	**124,602**	**126,992**	**118,560**	**121,370**	**123,666**
Domestic industries	**122,258**	**125,171**	**127,543**	**119,042**	**121,858**	**124,151**
Private industries	**100,326**	**103,195**	**105,596**	**100,750**	**103,531**	**105,947**
Agriculture, forestry, and fishing	**1,936**	**2,004**	**2,069**	**3,148**	**3,199**	**3,300**
Farms	840	868	860	1,791	1,810	1,818
Agricultural services, forestry, and fishing	1,096	1,136	1,209	1,357	1,389	1,482
Mining	**606**	**587**	**583**	**607**	**590**	**586**
Metal mining	49	52	54	49	52	54
Coal mining	113	106	99	110	103	97
Oil and gas extraction	339	321	321	345	327	327
Nonmetallic minerals, except fuels	105	108	109	103	108	108
Construction	**5,197**	**5,383**	**5,669**	**6,406**	**6,654**	**6,954**
Manufacturing	**18,428**	**18,592**	**18,574**	**18,445**	**18,613**	**18,577**
Durable goods	10,507	10,722	10,834	10,584	10,802	10,911
Lumber and wood products	776	790	801	835	857	858
Furniture and fixtures	505	512	506	515	525	521
Stone, clay, and glass products	535	542	547	544	550	558
Primary metal industries	697	708	709	693	701	707
Fabricated metal products	1,396	1,443	1,452	1,390	1,441	1,446
Industrial machinery and equipment	2,000	2,069	2,115	1,996	2,083	2,100
Electronic and other electric equipment	1,582	1,626	1,658	1,573	1,616	1,653
Motor vehicles and equipment	900	969	967	895	952	960
Other transportation equipment	852	817	820	850	816	819
Instruments and related products	860	841	855	853	834	850
Miscellaneous manufacturing industries	404	405	404	440	427	439
Nondurable goods	7,921	7,870	7,740	7,861	7,811	7,666
Food and kindred products	1,683	1,688	1,697	1,654	1,659	1,664
Tobacco products	43	42	42	43	42	42
Textile mill products	681	664	629	676	661	631
Apparel and other textile products	982	946	874	998	952	881
Paper and allied products	693	692	682	686	686	677
Printing and publishing	1,566	1,570	1,565	1,551	1,560	1,536
Chemicals and allied products	1,056	1,039	1,032	1,039	1,032	1,024
Petroleum and coal products	147	143	139	145	142	138
Rubber and miscellaneous plastics products	954	978	981	951	967	971
Leather and leather products	116	108	99	118	110	102
Transportation and public utilities	**6,060**	**6,175**	**6,292**	**6,045**	**6,176**	**6,318**
Transportation	3,834	3,962	4,063	3,922	4,048	4,182
Railroad transportation	233	232	224	220	220	212
Local and interurban passenger transit	407	420	440	437	431	444
Trucking and warehousing	1,843	1,916	1,658	1,977	2,054	1,854
Water transportation	179	178	177	175	178	174
Transportation by air	750	778	1,119	704	731	1,050
Pipelines, except natural gas	17	15	14	17	15	14
Transportation services	405	423	431	392	419	434
Communications	1,293	1,307	1,347	1,192	1,219	1,258
Telephone and telegraph	916	915	936	844	851	873
Radio and television	377	392	411	348	368	385
Electric, gas, and sanitary services	933	906	882	931	909	878
Wholesale trade	**6,235**	**6,475**	**6,558**	**6,324**	**6,559**	**6,589**
Retail trade	**21,159**	**21,867**	**22,256**	**18,897**	**19,476**	**19,866**
Finance, insurance, and real estate	**7,021**	**6,926**	**7,051**	**7,251**	**7,216**	**7,315**
Depository institutions	2,068	2,023	2,018	1,973	1,937	1,923
Nondepository institutions	488	463	513	485	466	506
Security and commodity brokers	543	554	582	592	622	648
Insurance carriers	1,522	1,497	1,503	1,468	1,449	1,447
Insurance agents, brokers, and service	723	732	746	853	856	873
Real estate	1,422	1,410	1,441	1,635	1,648	1,680
Holding and other investment offices	255	247	248	245	238	238
Services	**33,684**	**35,186**	**36,544**	**33,627**	**35,048**	**36,442**
Hotels and other lodging places	1,712	1,754	1,791	1,549	1,587	1,625
Personal services	1,276	1,300	1,317	1,725	1,776	1,805
Business services	6,352	6,935	7,484	6,538	7,109	7,664
Auto repair, services, and parking	1,075	1,132	1,205	1,338	1,362	1,480
Miscellaneous repair services	350	374	389	568	591	573
Motion pictures	458	506	553	498	543	583
Amusement and recreation services	1,421	1,519	1,593	1,264	1,327	1,420
Health services	9,318	9,568	9,809	8,677	8,903	9,168
Legal services	1,059	1,056	1,063	1,184	1,173	1,147
Educational services	2,024	2,075	2,141	1,860	1,915	1,986
Social services and membership organizations	4,478	4,637	4,760	4,351	4,504	4,623
Social services	2,328	2,454	2,534	2,563	2,689	2,772
Membership organizations	2,150	2,183	2,226	1,788	1,815	1,851
Other services [2]	2,877	3,049	3,193	3,254	3,439	3,572
Private households	1,284	1,281	1,246	821	819	796
Government	**21,932**	**21,976**	**21,947**	**18,292**	**18,327**	**18,204**
Federal	5,720	5,560	5,357	4,661	4,530	4,368
General government	4,748	4,573	4,366	3,867	3,725	3,562
Civilian	2,100	2,026	1,952	2,052	1,984	1,912
Military [3]	2,648	2,547	2,414	1,815	1,741	1,650
Government enterprises	972	987	991	794	805	806
State and local	16,212	16,416	16,590	13,631	13,797	13,836
General government	15,295	15,485	15,655	12,754	12,910	12,945
Education	8,220	8,389	8,542	6,635	6,770	6,791
Other	7,075	7,096	7,113	6,119	6,140	6,154
Government enterprises	917	931	935	877	887	891
Rest of the world [4]	**–563**	**–569**	**–551**	**–482**	**–488**	**–485**

1. Equals the number of full-time equivalent employees (table 6.5) plus the number of self-employed persons (table 6.7). Unpaid family workers are not included.

2. Consists of museums, botanical, zoological gardens; engineering and management services; and services, not elsewhere classified.

3. Includes Coast Guard.

4. Beginning with 1993, includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

NOTE.—Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.9.—Wage and Salary Accruals Per Full-Time Equivalent Employee and Full-Time Equivalent Employees by Industry

	Dollars			Thousands		
	Wages and salaries per full-time equivalent			Full-time equivalent employees		
	1994	1995	1996	1994	1995	1996
Total [1]	**30,131**	**31,032**	**32,121**	**107,996**	**110,935**	**113,125**
Domestic industries	**30,020**	**30,919**	**32,006**	**108,478**	**111,423**	**113,610**
Private industries	**29,432**	**30,314**	**31,378**	**90,186**	**93,096**	**95,406**
Agriculture, forestry, and fishing	**17,833**	**18,331**	**18,870**	**1,674**	**1,741**	**1,827**
Farms	17,118	17,888	18,709	720	744	757
Agricultural services, forestry, and fishing	18,372	18,662	18,984	954	997	1,070
Mining	**44,482**	**46,683**	**48,329**	**593**	**575**	**572**
Metal mining	44,633	48,423	50,130	49	52	54
Coal mining	45,391	47,417	48,856	110	103	97
Oil and gas extraction	47,006	49,613	51,556	332	315	315
Nonmetallic minerals, except fuels	35,216	36,314	37,340	102	105	106
Construction	**30,191**	**30,453**	**31,649**	**4,883**	**5,178**	**5,442**
Manufacturing	**34,725**	**35,852**	**37,165**	**18,013**	**18,179**	**18,164**
Durable goods	36,724	37,751	39,030	10,337	10,550	10,660
Lumber and wood products	24,400	25,131	26,162	758	772	782
Furniture and fixtures	24,312	25,068	26,085	493	502	497
Stone, clay, and glass products	32,299	33,345	34,799	528	531	533
Primary metal industries	38,788	40,100	41,003	692	698	704
Fabricated metal products	32,455	32,954	34,072	1,371	1,420	1,425
Industrial machinery and equipment	39,063	40,093	41,761	1,964	2,050	2,072
Electronic and other electric equipment	37,277	39,005	40,279	1,564	1,607	1,643
Motor vehicles and equipment	47,516	47,248	48,410	892	950	958
Other transportation equipment	43,674	44,712	45,683	844	809	814
Instruments and related products	42,506	44,810	46,451	846	826	843
Miscellaneous manufacturing industries	27,317	28,192	28,902	385	385	389
Nondurable goods	32,032	33,226	34,516	7,676	7,629	7,504
Food and kindred products	29,157	30,163	30,681	1,633	1,642	1,654
Tobacco products	47,953	52,738	54,000	43	42	42
Textile mill products	23,642	24,002	24,950	670	654	623
Apparel and other textile products	18,169	18,828	19,877	960	920	846
Paper and allied products	38,292	39,558	40,935	685	684	676
Printing and publishing	33,259	34,543	35,791	1,449	1,450	1,445
Chemicals and allied products	48,932	51,200	53,344	1,037	1,027	1,020
Petroleum and coal products	53,766	55,190	56,457	145	142	138
Rubber and miscellaneous plastics products	29,253	29,921	30,884	941	962	965
Leather and leather products	21,531	22,349	23,547	113	106	95
Transportation and public utilities	**37,401**	**38,369**	**39,278**	**5,664**	**5,780**	**5,883**
Transportation	31,882	32,279	32,994	3,564	3,690	3,783
Railroad transportation	51,132	51,232	53,877	220	220	212
Local and interurban passenger transit	19,655	20,133	20,848	371	384	402
Trucking and warehousing	28,924	29,366	30,348	1,720	1,791	1,550
Water transportation	37,353	37,862	38,729	167	167	166
Transportation by air	38,953	39,088	36,644	698	725	1,043
Pipelines, except natural gas	54,647	57,933	59,214	17	15	14
Transportation services	29,593	30,884	31,551	371	388	396
Communications	46,802	49,316	50,716	1,182	1,195	1,228
Telephone and telegraph	50,736	52,945	54,287	838	837	854
Radio and television	37,218	40,832	42,561	344	358	374
Electric, gas, and sanitary services	46,725	48,857	50,433	918	895	872
Wholesale trade	**36,504**	**37,817**	**39,256**	**5,971**	**6,200**	**6,278**
Retail trade	**18,130**	**18,300**	**18,821**	**17,307**	**18,029**	**18,383**
Finance, insurance, and real estate	**39,282**	**41,698**	**44,629**	**6,620**	**6,550**	**6,635**
Depository institutions	31,921	33,935	35,926	1,972	1,935	1,921
Nondepository institutions	38,647	41,070	43,224	468	446	491
Security and commodity brokers	89,937	97,499	108,760	521	533	558
Insurance carriers	39,610	41,494	43,593	1,468	1,449	1,447
Insurance agents, brokers, and services	36,447	37,854	39,648	687	697	707
Real estate	27,456	28,308	29,780	1,259	1,252	1,273
Holding and other investment offices	58,767	63,971	67,933	245	238	238
Services	**27,886**	**28,987**	**29,935**	**29,461**	**30,864**	**32,222**
Hotels and other lodging places	19,585	20,117	20,733	1,479	1,519	1,559
Personal services	17,337	17,915	18,518	1,118	1,139	1,162
Business services	24,554	25,942	27,713	5,795	6,372	6,875
Auto repair, services, and parking	21,943	22,454	23,074	1,005	1,061	1,136
Miscellaneous repair services	27,216	28,134	29,204	320	343	358
Motion pictures	34,434	36,639	37,706	355	393	432
Amusement and recreation services	22,904	23,680	24,509	1,143	1,231	1,296
Health services	32,780	34,098	34,624	8,288	8,492	8,774
Legal services	51,497	53,107	54,984	940	937	944
Educational services	23,637	24,263	24,895	1,747	1,801	1,868
Social services and membership organizations	19,266	19,834	20,346	3,808	3,950	4,067
Social services	17,381	17,931	18,396	2,020	2,135	2,216
Membership organizations	21,395	22,074	22,681	1,788	1,815	1,851
Other services [2]	43,984	45,754	47,146	2,642	2,807	2,955
Private households	13,143	14,118	14,079	821	819	796
Government	**32,921**	**33,992**	**35,300**	**18,292**	**18,327**	**18,204**
Federal	37,205	38,641	40,574	4,661	4,530	4,368
General government	36,138	37,774	39,876	3,867	3,725	3,562
Civilian	41,357	42,611	44,739	2,052	1,984	1,912
Military [3]	30,237	32,262	34,241	1,815	1,741	1,650
Government enterprises	42,404	42,655	43,660	794	805	806
State and local	31,456	32,466	33,634	13,631	13,797	13,836
General government	31,323	32,330	33,514	12,754	12,910	12,945
Education	31,269	32,195	33,611	6,635	6,770	6,791
Other	31,380	32,479	33,408	6,119	6,140	6,154
Government enterprises	33,396	34,446	35,377	877	887	891
Rest of the world [4]	.....	.....	.....	**–482**	**–488**	**–485**

1. Full-time equivalent employees equals the number of employees on full-time schedules plus the number of employees on part-time schedules converted to a full-time basis. The number of full-time equivalent employees in each industry is the product of the total number of employees and the ratio of average weekly hours per employee for all employees to average weekly hours per employee on full-time schedules.

2. Consists of museums, botanical, zoological gardens; engineering and management services; and services, not elsewhere classified.

3. Includes Coast Guard.

4. Beginning with 1993, includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

NOTE.—Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.10.—Farm Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1992) dollars		
	1994	1995	1996	1994	1995	1996
Farm output	**202.9**	**197.9**	**219.9**	**199.4**	**192.0**	**193.1**
Cash receipts from farm marketings	180.9	193.9	204.2	178.2	188.5	179.0
Crops	92.8	106.9	111.4	88.4	96.9	88.9
Livestock	88.1	87.0	92.9	89.9	91.3	90.5
Farm housing	5.8	5.9	6.1	5.2	5.2	5.1
Farm products consumed on farms	.5	.5	.4	.5	.5	.4
Other farm income	4.9	5.6	6.3	4.8	5.2	5.3
Change in farm inventories	10.8	–7.9	2.9	11.7	–9.2	2.6
Crops	9.7	–8.2	4.1	9.2	–7.7	3.0
Livestock	1.1	.2	–1.3	1.2	.3	–1.5
Less: Intermediate goods and services purchased	119.4	124.4	130.6	114.7	117.6	117.3
Intermediate goods and services, other than rent	105.3	110.0	113.7	100.7	103.4	101.2
Rent paid to nonoperator landlords	14.1	14.3	16.8	14.0	14.2	16.2
***Equals*: Gross farm product**	**83.5**	**73.5**	**89.4**	**85.0**	**74.2**	**75.5**
Less: Consumption of fixed capital	23.7	24.7	25.6	22.4	22.8	23.2
***Equals*: Net farm product**	**59.8**	**48.8**	**63.8**	**62.9**	**51.3**	**52.2**
Less: Indirect business tax and nontax liability	4.8	5.1	5.1	.....	.....	.....
Plus: Subsidies to operators	6.6	6.1	6.1	.....	.....	.....
***Equals*: Farm national income**	**61.5**	**49.7**	**64.9**	.....	.....	.....
Compensation of employees	14.6	15.7	16.5	.....	.....	.....
Wage and salary accruals	12.3	13.3	14.2	.....	.....	.....
Supplements to wages and salaries	2.2	2.4	2.3	.....	.....	.....
Proprietors' income and corporate profits with IVA and CCAdj	37.8	24.7	38.6	.....	.....	.....
Proprietors' income	36.9	23.4	37.2	.....	.....	.....
Corporate profits	.9	1.2	1.4	.....	.....	.....
Net interest	9.1	9.4	9.8	.....	.....	.....

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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.
CCAdj Capital consumption adjustment
IVA Inventory valuation adjustment

Table B.11.—Housing Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1992) dollars		
	1994	1995	1996	1994	1995	1996
Housing output [1]	**686.7**	**722.7**	**758.1**	**649.9**	**663.4**	**675.2**
Nonfarm housing	680.9	716.8	752.0	644.8	658.3	670.2
Owner-occupied	507.0	532.2	558.3	479.6	487.2	495.3
Tenant-occupied	174.0	184.6	193.6	165.2	171.1	174.9
Farm housing	5.8	5.9	6.1	5.2	5.2	5.1
Less: Intermediate goods and services consumed	87.6	88.5	94.1	83.1	82.1	85.3
***Equals*: Gross housing product**	**599.1**	**634.2**	**664.0**	**566.8**	**581.3**	**589.9**
Nonfarm housing	594.4	629.2	658.8	562.7	577.0	585.7
Owner-occupied	439.5	462.8	484.0	415.6	423.1	428.3
Tenant-occupied	155.0	166.4	174.9	147.1	153.9	157.5
Farm housing	4.7	5.0	5.1	4.2	4.3	4.2
Less: Consumption of fixed capital	120.5	114.8	118.2	112.2	103.6	104.6
Capital consumption allowances	60.9	59.6	62.8	.....	.....	.....
Less: CCAdj	–59.6	–55.1	–55.4	.....	.....	.....
***Equals*: Net housing product**	**478.6**	**519.4**	**545.8**	**454.5**	**477.8**	**485.5**
Less: Indirect business tax and nontax liability plus business transfer payments	112.9	116.2	119.5	.....	.....	.....
Plus: Subsidies less current surplus of government enterprises	20.6	20.8	22.6	.....	.....	.....
***Equals*: Housing national income**	**386.4**	**424.0**	**448.9**	.....	.....	.....
Compensation of employees	7.7	8.1	8.5	.....	.....	.....
Proprietors' income with IVA and CCAdj	17.6	25.2	27.1	.....	.....	.....
Rental income of persons with CCAdj	96.7	104.3	115.8	.....	.....	.....
Corporate profits with IVA and CCAdj	4.2	5.1	5.6	.....	.....	.....
Net interest	260.2	281.3	292.0	.....	.....	.....

1. Equals personal consumption expenditures for housing less expenditures for other housing as shown in table B.4.

NOTE.—Chained (1992) dollar series are calculated as the product of the chain-type quantity index and the 1992 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.
CCAdj Capital consumption adjustment
IVA Inventory valuation adjustment

Table B.12.—Net Stock of Fixed Private Capital, by Type

[Yearend estimates]

	Current-cost valuation (billions of dollars)						Chain-type quantity indexes (1992=100)					
	1991	1992	1993	1994	1995	1996	1991	1992	1993	1994	1995	1996
Fixed private capital	**12,955.2**	**13,484.1**	**14,198.8**	**15,064.5**	**15,738.6**	**16,503.4**	**98.49**	**100.00**	**101.94**	**104.15**	**106.67**	**109.58**
Private producers' durable equipment	**2,570.3**	**2,642.7**	**2,742.1**	**2,881.7**	**3,050.3**	**3,232.9**	**98.37**	**100.00**	**102.74**	**106.62**	**111.68**	**117.63**
Nonresidential equipment	**2,519.5**	**2,590.0**	**2,686.7**	**2,823.1**	**2,989.3**	**3,168.9**	**98.39**	**100.00**	**102.72**	**106.61**	**111.70**	**117.69**
Information processing and related equipment	603.2	629.0	650.4	673.8	704.0	785.4	94.86	100.00	106.40	113.96	125.25	140.31
Office, computing, and accounting machinery	119.0	120.7	128.3	138.5	151.2	175.7	87.31	100.00	120.18	144.51	189.31	264.83
Computers and peripheral equipment	99.5	101.0	107.9	118.0	130.4	153.9	85.14	100.00	124.20	154.49	211.49	308.42
Other office equipment	19.5	19.7	20.4	20.6	20.9	21.8	99.35	100.00	101.27	101.08	101.82	108.04
Communication equipment	318.9	330.8	333.0	335.3	342.7	391.5	97.21	100.00	102.41	106.50	112.84	120.39
Instruments	101.4	109.9	117.9	124.1	130.6	136.2	95.09	100.00	105.34	109.32	112.73	116.19
Photocopy and related equipment	64.0	67.5	71.2	75.8	79.4	82.0	97.52	100.00	104.27	109.02	112.00	113.98
Industrial equipment	898.3	916.8	945.7	991.4	1,050.3	1,083.6	99.38	100.00	101.38	103.55	106.34	108.92
Fabricated metal products	87.7	86.7	87.0	90.3	93.5	95.7	100.79	100.00	100.07	100.95	101.72	102.72
Engines and turbines	50.8	51.8	53.2	56.8	58.4	59.7	97.84	100.00	102.12	104.56	105.58	105.86
Steam engines	46.0	47.1	48.2	51.5	52.5	53.5	97.48	100.00	102.13	104.33	104.68	104.57
Internal combustion engines	4.8	4.7	5.0	5.4	5.9	6.3	101.47	100.00	102.06	106.76	114.34	118.43
Metalworking machinery	167.1	168.8	174.4	183.0	197.0	205.8	100.38	100.00	100.48	102.74	106.16	109.54
Special industry machinery, n.e.c	193.4	199.4	207.5	218.2	232.1	240.0	99.14	100.00	101.85	104.03	107.46	109.64
General industrial, including materials handling, equipment	185.7	189.0	194.9	202.5	212.5	220.8	100.53	100.00	100.70	102.25	104.37	107.35
Electrical transmission, distribution, and industrial apparatus	213.6	221.0	228.7	240.5	256.7	261.6	97.65	100.00	102.57	105.65	109.13	112.29
Transportation and related equipment	491.2	510.0	538.9	581.2	627.2	660.5	98.93	100.00	102.30	106.91	111.87	116.89
Trucks, buses, and truck trailers	160.6	169.1	185.5	210.1	236.8	259.6	98.99	100.00	105.33	115.39	127.18	139.25
Autos	102.5	107.6	111.7	124.6	131.1	138.0	97.44	100.00	100.93	109.20	113.03	117.20
Aircraft	114.4	121.2	127.1	129.2	136.2	140.3	97.17	100.00	102.25	100.57	101.80	103.08
Ships and boats	45.5	45.1	45.6	44.7	44.3	44.4	103.69	100.00	98.25	95.33	92.42	89.79
Railroad equipment	68.2	67.1	69.0	72.7	78.8	78.3	101.16	100.00	99.65	100.79	102.22	102.81
Other equipment	526.8	534.2	551.8	576.6	607.7	639.4	100.42	100.00	101.19	103.29	106.07	109.92
Furniture and fixtures	140.0	146.1	153.8	163.0	175.0	186.2	96.81	100.00	103.04	105.84	110.10	115.18
Household furniture	9.0	9.1	9.4	9.7	10.1	10.5	100.22	100.00	100.43	101.74	103.22	105.88
Other furniture	131.0	137.0	144.4	153.3	164.9	175.7	96.59	100.00	103.21	106.12	110.55	115.79
Tractors	54.1	54.1	55.1	57.2	59.1	60.9	102.77	100.00	99.71	101.34	103.25	105.60
Farm tractors	42.3	42.4	43.2	45.1	46.8	48.2	102.43	100.00	100.28	102.61	105.11	107.84
Construction tractors	11.8	11.7	11.9	12.1	12.3	12.7	103.99	100.00	97.68	96.85	96.65	97.69
Agricultural machinery, except tractors	65.4	64.9	65.6	67.1	69.9	72.2	103.85	100.00	98.79	99.07	99.89	101.40
Construction machinery, except tractors	66.7	66.0	66.8	69.6	73.2	77.1	104.46	100.00	99.09	100.51	103.15	106.11
Mining and oilfield machinery	16.7	15.3	14.6	14.0	13.8	13.3	110.04	100.00	93.67	87.79	83.85	78.91
Service industry machinery	61.0	60.3	61.0	64.5	69.2	76.7	103.27	100.00	99.38	103.02	107.46	117.36
Electrical equipment, n.e.c	41.5	44.6	47.2	48.9	50.3	50.9	94.43	100.00	104.87	107.43	109.26	111.42
Household appliances	4.5	4.6	4.7	4.9	5.1	5.2	99.31	100.00	101.98	104.43	107.35	110.74
Other	37.0	40.1	42.5	44.0	45.2	45.7	93.87	100.00	105.20	107.77	109.47	111.49
Other nonresidential equipment	81.2	83.0	87.7	92.4	97.2	102.1	98.81	100.00	103.18	106.40	109.34	112.59
Residential equipment	**50.8**	**52.6**	**55.4**	**58.6**	**61.0**	**64.1**	**97.03**	**100.00**	**103.36**	**107.18**	**111.01**	**114.80**
Private structures	**10,384.9**	**10,841.4**	**11,456.7**	**12,182.8**	**12,688.3**	**13,270.4**	**98.52**	**100.00**	**101.75**	**103.57**	**105.50**	**107.74**
Nonresidential structures	**4,177.2**	**4,302.7**	**4,528.9**	**4,775.6**	**4,970.8**	**5,163.3**	**98.92**	**100.00**	**101.16**	**102.20**	**103.61**	**105.43**
Nonresidential buildings, excluding farm	2,593.9	2,686.1	2,834.9	3,011.3	3,144.1	3,299.0	98.44	100.00	101.38	102.97	105.02	107.92
Industrial buildings	589.7	613.0	636.2	673.6	700.7	725.9	98.36	100.00	100.17	101.44	103.03	104.54
Office buildings [1]	611.2	625.4	670.1	707.8	736.5	767.1	98.72	100.00	101.51	102.54	104.24	106.37
Commercial buildings	653.7	678.7	717.2	765.0	803.8	855.8	98.46	100.00	101.96	103.93	106.63	111.20
Mobile structures	6.4	6.6	7.2	7.9	8.3	8.7	98.26	100.00	101.54	103.27	105.36	107.95
Other commercial [2]	647.4	672.1	710.1	757.1	795.5	847.1	98.47	100.00	101.97	103.94	106.64	111.24
Religious buildings	119.7	123.5	129.4	136.6	141.4	146.2	99.10	100.00	101.10	102.06	103.23	104.47
Educational buildings	102.6	108.0	114.7	123.5	130.2	138.0	97.05	100.00	102.47	105.40	108.64	112.77
Hospital and institutional buildings	246.2	259.8	276.7	297.9	311.6	325.6	96.87	100.00	102.72	105.71	108.08	110.59
Other	270.8	277.6	290.6	307.0	319.9	340.5	99.67	100.00	100.79	101.88	103.76	108.01
Hotels and motels	135.6	139.2	145.9	153.7	161.0	173.3	99.51	100.00	101.03	101.79	104.25	109.82
Amusement and recreational buildings	67.8	70.2	73.7	78.6	83.2	88.7	98.63	100.00	101.25	103.20	106.83	111.45
Other nonfarm buildings [3]	67.4	68.2	71.0	74.7	75.7	78.5	101.07	100.00	99.84	100.73	99.60	100.81
Utilities	1,032.3	1,062.0	1,120.2	1,159.7	1,199.7	1,236.4	99.44	100.00	100.59	100.76	101.29	101.73
Railroad	266.7	272.4	290.1	294.0	300.3	311.1	100.93	100.00	99.08	98.22	97.42	96.92
Telecommunications	181.1	185.3	194.0	204.8	218.3	229.9	98.21	100.00	101.66	103.71	106.33	109.22
Electric light and power	410.9	423.8	443.4	459.6	476.5	481.8	99.61	100.00	100.86	100.77	101.20	101.28
Gas	136.8	143.1	153.0	160.0	163.1	170.4	97.56	100.00	101.42	101.99	102.88	103.23
Petroleum pipelines	36.8	37.5	39.6	41.2	41.5	43.2	100.12	100.00	100.18	100.25	100.00	99.92
Farm related buildings and structures	182.0	183.5	194.3	201.6	204.6	206.1	101.36	100.00	102.10	101.29	100.48	99.14
Mining exploration, shafts, and wells	263.8	259.0	260.1	274.5	283.7	278.5	101.90	100.00	99.14	98.31	97.36	95.89
Petroleum and natural gas	234.7	229.3	229.2	241.6	250.0	244.5	102.17	100.00	98.97	97.82	96.76	95.21
Other mining	29.0	29.7	31.0	32.9	33.7	34.1	99.81	100.00	100.48	101.99	101.92	101.14
Other nonfarm structures [4]	105.2	112.1	119.4	128.4	138.7	143.3	94.60	100.00	104.32	107.95	111.30	113.37
Residential structures	**6,207.7**	**6,538.7**	**6,927.8**	**7,407.2**	**7,717.5**	**8,107.1**	**98.25**	**100.00**	**102.14**	**104.47**	**106.75**	**109.25**
Housing units	5,057.2	5,327.0	5,667.3	6,078.4	6,322.4	6,639.3	98.37	100.00	102.00	104.20	106.43	108.99
Permanent site	4,959.6	5,226.1	5,557.9	5,956.2	6,190.1	6,497.7	98.36	100.00	102.00	104.17	106.36	108.86
1-to-4-unit	4,226.4	4,465.3	4,796.1	5,182.3	5,398.5	5,662.9	98.09	100.00	102.37	105.01	107.45	110.22
5-or-more-unit	733.2	760.7	761.9	773.8	791.5	834.8	99.97	100.00	99.78	99.05	99.64	100.47
Mobile homes	97.6	100.9	109.4	122.2	132.3	141.5	99.10	100.00	102.02	105.56	110.07	115.21
Improvements	1,124.7	1,185.1	1,232.6	1,299.8	1,365.8	1,438.0	97.64	100.00	102.83	105.87	108.42	110.75
Other residential [5]	25.9	26.6	27.8	29.0	29.3	29.9	100.98	100.00	99.67	98.53	97.95	97.69

1. Consists of office buildings, except those occupied by electric and gas utility companies.
2. Consists primarily of stores, restaurants, garages, service stations, warehouses, and other buildings used for commercial purposes.
3. Consists of buildings not elsewhere classified, such as passenger terminals, greenhouses, and animal hospitals.
4. Consists primarily of streets, dams, reservoirs, sewer and water facilities, parks, and airfields.
5. Consists primarily of dormitories, fraternity and sorority houses, and nurses' homes.

n.e.c. Not elsewhere classified.

C. Historical Tables

The tables in this section are derived from the "Summary National Income and Product Series" tables that were published in the August 1997 issue of the SURVEY OF CURRENT BUSINESS. (Changes in prices are calculated from indexes expressed to three decimal places.)

Table C.1.—Historical Measures of Real Gross Domestic Product, Real Gross National Product, and Real Gross Domestic Purchases

[Quarterly data are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1992) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
										Chain-type price index		Implicit price deflators	
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1959	2,210.2	2,206.9	2,222.0	7.4	6.5	22.95	22.44	22.95	22.96	1.0	1.0	1.0	1.0
1960	2,262.9	2,264.2	2,276.0	2.4	2.6	23.27	22.75	23.27	23.28	1.4	1.4	1.4	1.4
1961	2,314.3	2,318.0	2,329.1	2.3	2.4	23.54	23.00	23.54	23.55	1.2	1.1	1.2	1.2
1962	2,454.8	2,445.4	2,471.5	6.1	5.5	23.84	23.28	23.84	23.85	1.3	1.2	1.3	1.3
1963	2,559.4	2,552.4	2,577.3	4.3	4.4	24.12	23.58	24.12	24.13	1.2	1.3	1.2	1.2
1964	2,708.4	2,705.1	2,727.8	5.8	6.0	24.48	23.94	24.48	24.49	1.5	1.6	1.5	1.5
1965	2,881.1	2,860.4	2,901.4	6.4	5.7	24.95	24.39	24.96	24.97	1.9	1.9	2.0	2.0
1966	3,069.2	3,033.5	3,087.8	6.5	6.1	25.66	25.07	25.67	25.68	2.8	2.8	2.8	2.8
1967	3,147.2	3,125.1	3,166.4	2.5	3.0	26.48	25.83	26.49	26.50	3.2	3.0	3.2	3.2
1968	3,293.9	3,278.0	3,314.5	4.7	4.9	27.64	26.95	27.64	27.66	4.4	4.3	4.4	4.4
1969	3,393.6	3,377.2	3,413.3	3.0	3.0	28.94	28.21	28.94	28.96	4.7	4.7	4.7	4.7
1970	3,397.6	3,406.5	3,417.1	.1	.9	30.48	29.73	30.48	30.50	5.3	5.4	5.3	5.3
1971	3,510.0	3,499.8	3,532.1	3.3	2.7	32.05	31.32	32.06	32.08	5.2	5.3	5.2	5.2
1972	3,702.3	3,689.5	3,726.3	5.5	5.4	33.42	32.71	33.42	33.44	4.2	4.5	4.2	4.2
1973	3,916.3	3,883.9	3,950.1	5.8	5.3	35.30	34.64	35.30	35.32	5.6	5.9	5.6	5.6
1974	3,891.2	3,873.4	3,930.2	–.6	–.3	38.46	38.17	38.47	38.49	8.9	10.2	9.0	8.9
1975	3,873.9	3,906.4	3,903.3	–.4	.9	42.09	41.72	42.09	42.11	9.4	9.3	9.4	9.4
1976	4,082.9	4,061.7	4,118.8	5.4	4.0	44.55	44.15	44.55	44.58	5.8	5.8	5.8	5.9
1977	4,273.6	4,240.8	4,314.5	4.7	4.4	47.42	47.18	47.43	47.46	6.5	6.9	6.5	6.5
1978	4,503.0	4,464.4	4,543.7	5.4	5.3	50.88	50.65	50.89	50.92	7.3	7.4	7.3	7.3
1979	4,630.6	4,614.4	4,687.4	2.8	3.4	55.22	55.22	55.23	55.26	8.5	9.0	8.5	8.5
1980	4,615.0	4,641.9	4,670.8	–.3	.6	60.34	61.10	60.33	60.36	9.3	10.7	9.2	9.2
1981	4,720.7	4,691.6	4,769.9	2.3	1.1	66.01	66.72	66.01	66.05	9.4	9.2	9.4	9.4
1982	4,620.3	4,651.2	4,662.0	–2.1	–.9	70.18	70.64	70.17	70.21	6.3	5.9	6.3	6.3
1983	4,803.7	4,821.2	4,844.8	4.0	3.7	73.16	73.31	73.16	73.20	4.3	3.8	4.3	4.3
1984	5,140.1	5,061.6	5,178.0	7.0	5.0	75.92	75.90	75.92	75.97	3.8	3.5	3.8	3.8
1985	5,323.5	5,296.9	5,346.7	3.6	4.6	78.53	78.34	78.53	78.57	3.4	3.2	3.4	3.4
1986	5,487.7	5,480.9	5,501.2	3.1	3.5	80.58	80.40	80.58	80.62	2.6	2.6	2.6	2.6
1987	5,649.5	5,626.0	5,658.2	2.9	2.6	83.06	83.11	83.06	83.09	3.1	3.4	3.1	3.1
1988	5,865.2	5,855.1	5,878.5	3.8	4.1	86.10	86.13	86.09	86.12	3.7	3.6	3.7	3.7
1989	6,062.0	6,028.7	6,075.7	3.4	3.0	89.72	89.78	89.72	89.75	4.2	4.2	4.2	4.2
1990	6,136.3	6,126.7	6,157.0	1.2	1.6	93.64	93.83	93.60	93.63	4.4	4.5	4.3	4.3
1991	6,079.4	6,082.6	6,094.9	–.9	–.7	97.32	97.30	97.32	97.33	3.9	3.7	4.0	4.0
1992	6,244.4	6,237.4	6,255.5	2.7	2.5	100.00	100.00	100.00	100.00	2.8	2.8	2.8	2.7
1993	6,389.6	6,368.9	6,408.0	2.3	2.1	102.64	102.48	102.64	102.63	2.6	2.5	2.6	2.6
1994	6,610.7	6,551.2	6,619.1	3.5	2.9	105.09	104.85	105.09	105.08	2.4	2.3	2.4	2.4
1995	6,742.1	6,712.7	6,748.7	2.0	2.5	107.76	107.52	107.76	107.73	2.5	2.5	2.5	2.5
1996	6,928.4	6,901.0	6,932.0	2.8	2.8	110.22	109.86	110.21	110.18	2.3	2.2	2.3	2.3
1959: I	2,165.0	2,165.5	2,176.2	8.6	9.2	22.86	22.35	22.92	22.93	.8	1.1	.8	.8
II	2,223.3	2,204.2	2,234.5	11.2	7.3	22.92	22.41	22.91	22.91	1.1	1.1	–.3	–.3
III	2,221.4	2,232.6	2,233.5	–.3	5.3	22.96	22.45	22.94	22.95	.7	.7	.6	.6
IV	2,231.0	2,225.3	2,243.9	1.7	–1.3	23.05	22.53	23.03	23.04	1.5	1.5	1.6	1.6
1960: I	2,279.2	2,248.5	2,291.6	8.9	4.2	23.10	22.57	23.13	23.14	.9	.8	1.8	1.9
II	2,265.5	2,268.4	2,278.2	–2.4	3.6	23.21	22.69	23.22	23.23	2.0	2.1	1.5	1.5
III	2,268.3	2,265.1	2,281.6	.5	–.6	23.32	22.80	23.32	23.33	2.0	2.0	1.7	1.7
IV	2,238.6	2,274.7	2,252.7	–5.1	1.7	23.44	22.92	23.40	23.41	2.1	2.1	1.4	1.4
1961: I	2,251.7	2,277.7	2,266.8	2.4	.5	23.48	22.96	23.45	23.46	.7	.6	.9	.9
II	2,292.0	2,301.1	2,306.3	7.4	4.2	23.51	22.97	23.51	23.52	.5	.2	1.0	1.0
III	2,332.6	2,320.4	2,347.1	7.3	3.4	23.55	23.01	23.56	23.57	.7	.7	.8	.8
IV	2,381.0	2,372.8	2,395.9	8.6	9.3	23.61	23.06	23.63	23.64	1.1	.9	1.2	1.2
1962: I	2,422.6	2,400.3	2,437.4	7.2	4.7	23.73	23.17	23.75	23.76	2.0	1.9	2.0	2.0
II	2,448.0	2,440.7	2,464.4	4.3	6.9	23.80	23.24	23.81	23.81	1.1	1.4	1.0	1.0
III	2,471.9	2,462.0	2,488.4	4.0	3.5	23.86	23.31	23.87	23.87	1.1	1.1	1.0	1.0
IV	2,476.7	2,478.7	2,495.9	.8	2.7	23.96	23.41	23.94	23.95	1.7	1.8	1.2	1.2
1963: I	2,508.7	2,492.4	2,526.9	5.3	2.2	24.03	23.48	24.00	24.01	1.2	1.3	1.1	1.1
II	2,538.1	2,533.8	2,555.5	4.8	6.8	24.07	23.53	24.07	24.08	.6	.8	1.1	1.1
III	2,586.3	2,578.0	2,604.0	7.8	7.2	24.11	23.58	24.12	24.13	.7	.9	.8	.8
IV	2,604.6	2,605.3	2,622.9	2.9	4.3	24.26	23.72	24.29	24.30	2.4	2.5	3.0	3.0
1964: I	2,666.7	2,663.1	2,686.8	9.9	9.2	24.33	23.80	24.35	24.36	1.2	1.3	.9	.9
II	2,697.5	2,695.0	2,716.8	4.7	4.9	24.41	23.89	24.41	24.42	1.3	1.5	.9	.9
III	2,729.6	2,727.6	2,749.5	4.8	4.9	24.53	23.99	24.52	24.53	1.9	1.8	1.8	1.8
IV	2,739.7	2,734.5	2,758.1	1.5	1.0	24.64	24.09	24.64	24.65	1.8	1.6	2.1	2.1
1965: I	2,808.9	2,777.2	2,830.0	10.5	6.4	24.76	24.19	24.77	24.78	2.0	1.6	2.0	2.0
II	2,846.3	2,826.7	2,868.2	5.4	7.3	24.88	24.31	24.88	24.89	2.0	2.0	1.9	1.9
III	2,898.8	2,879.8	2,918.9	7.6	7.7	25.01	24.44	25.01	25.02	2.1	2.2	2.1	2.1
IV	2,970.5	2,957.8	2,988.6	10.3	11.3	25.16	24.61	25.17	25.18	2.5	2.8	2.6	2.6
1966: I	3,042.4	3,008.8	3,061.1	10.0	7.1	25.30	24.73	25.32	25.34	2.2	1.9	2.5	2.5
II	3,055.5	3,023.1	3,074.2	1.7	1.9	25.50	24.93	25.53	25.54	3.2	3.2	3.2	3.3
III	3,076.5	3,047.2	3,094.7	2.8	3.2	25.82	25.22	25.79	25.81	5.1	4.8	4.2	4.2
IV	3,102.4	3,054.8	3,121.4	3.4	1.0	26.03	25.41	26.02	26.03	3.4	3.1	3.5	3.5
1967: I	3,127.2	3,085.6	3,145.9	3.2	4.1	26.16	25.52	26.14	26.15	2.0	1.6	1.9	2.0
II	3,129.5	3,119.0	3,147.7	.3	4.4	26.32	25.67	26.31	26.32	2.5	2.5	2.5	2.5
III	3,154.2	3,134.2	3,174.4	3.2	2.0	26.57	25.92	26.60	26.61	3.9	3.9	4.5	4.5
IV	3,178.0	3,161.5	3,197.5	3.1	3.5	26.87	26.21	26.90	26.91	4.6	4.5	4.6	4.6

Table C.1.—Historical Measures of Real Gross Domestic Product, Real Gross National Product, and Real Gross Domestic Purchases—Continued

[Quarterly data are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1992) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
										Chain-type price index		Implicit price deflators	
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1968: I	3,236.2	3,225.3	3,256.2	7.5	8.3	27.19	26.52	27.21	27.22	4.8	4.9	4.7	4.8
II	3,292.1	3,258.0	3,312.5	7.1	4.1	27.50	26.80	27.49	27.50	4.5	4.2	4.1	4.1
III	3,316.1	3,303.9	3,337.3	3.0	5.8	27.75	27.06	27.75	27.76	3.7	4.0	3.8	3.8
IV	3,331.2	3,325.1	3,352.2	1.8	2.6	28.12	27.43	28.12	28.13	5.5	5.5	5.5	5.5
1969: I	3,381.9	3,357.5	3,402.8	6.2	4.0	28.38	27.66	28.39	28.40	3.7	3.5	3.8	3.9
II	3,390.2	3,373.0	3,410.3	1.0	1.9	28.74	28.02	28.73	28.75	5.2	5.3	5.0	5.0
III	3,409.7	3,389.6	3,428.5	2.3	2.0	29.14	28.40	29.14	29.16	5.7	5.6	5.8	5.8
IV	3,392.6	3,388.9	3,411.4	–2.0	–.1	29.51	28.77	29.51	29.52	5.2	5.2	5.1	5.1
1970: I	3,386.5	3,397.6	3,406.0	–.7	1.0	29.92	29.18	29.94	29.95	5.7	5.9	6.0	6.0
II	3,391.6	3,391.9	3,411.9	.6	–.7	30.36	29.59	30.36	30.37	6.0	5.8	5.7	5.7
III	3,423.0	3,421.9	3,442.9	3.7	3.6	30.60	29.87	30.61	30.63	3.2	3.8	3.4	3.4
IV	3,389.4	3,414.8	3,407.4	–3.9	–.8	31.02	30.29	31.02	31.03	5.6	5.7	5.4	5.4
1971: I	3,481.4	3,458.9	3,503.3	11.3	5.3	31.50	30.75	31.50	31.52	6.3	6.2	6.4	6.4
II	3,500.9	3,481.2	3,524.3	2.3	2.6	31.93	31.18	31.93	31.94	5.7	5.7	5.5	5.5
III	3,523.8	3,509.4	3,544.7	2.6	3.3	32.25	31.52	32.27	32.29	4.1	4.5	4.4	4.4
IV	3,533.8	3,549.5	3,556.0	1.1	4.7	32.53	31.81	32.54	32.55	3.5	3.7	3.3	3.3
1972: I	3,604.7	3,608.0	3,627.9	8.3	6.8	33.01	32.28	33.02	33.03	6.0	6.0	6.0	6.1
II	3,687.9	3,665.7	3,710.7	9.6	6.5	33.23	32.53	33.20	33.22	2.6	3.1	2.2	2.2
III	3,726.2	3,700.0	3,751.2	4.2	3.8	33.50	32.82	33.49	33.51	3.3	3.6	3.5	3.5
IV	3,790.4	3,784.3	3,815.3	7.1	9.4	33.93	33.23	33.95	33.97	5.2	5.1	5.6	5.6
1973: I	3,892.2	3,867.0	3,921.5	11.2	9.0	34.38	33.69	34.36	34.38	5.5	5.6	5.0	5.0
II	3,919.0	3,884.5	3,950.4	2.8	1.8	34.96	34.33	34.94	34.96	6.9	7.8	6.9	6.9
III	3,907.1	3,890.9	3,944.1	–1.2	.7	35.63	34.95	35.61	35.63	7.8	7.5	7.9	7.9
IV	3,947.1	3,893.1	3,984.4	4.2	.2	36.24	35.60	36.29	36.31	7.0	7.6	7.8	7.8
1974: I	3,908.1	3,889.1	3,952.4	–3.9	–.4	36.98	36.55	37.01	37.03	8.4	11.1	8.2	8.2
II	3,922.6	3,899.7	3,964.3	1.5	1.1	37.79	37.59	37.79	37.81	9.0	11.9	8.7	8.7
III	3,880.0	3,882.5	3,917.6	–4.3	–1.8	38.93	38.71	38.96	38.98	12.7	12.5	12.9	12.9
IV	3,854.1	3,822.2	3,886.1	–2.6	–6.1	40.14	39.84	40.13	40.15	13.0	12.2	12.6	12.5
1975: I	3,800.9	3,848.3	3,827.3	–5.4	2.8	41.04	40.69	41.05	41.07	9.2	8.8	9.5	9.5
II	3,835.2	3,887.9	3,861.8	3.7	4.2	41.67	41.34	41.66	41.68	6.3	6.5	6.1	6.1
III	3,907.0	3,922.7	3,936.1	7.7	3.6	42.44	42.05	42.41	42.44	7.6	7.0	7.4	7.4
IV	3,952.5	3,966.7	3,987.9	4.7	4.6	43.21	42.79	43.19	43.22	7.4	7.2	7.6	7.6
1976: I	4,044.6	4,027.0	4,078.8	9.7	6.2	43.68	43.26	43.69	43.72	4.4	4.5	4.7	4.7
II	4,072.2	4,039.1	4,107.9	2.8	1.2	44.17	43.76	44.15	44.18	4.6	4.7	4.2	4.2
III	4,088.5	4,061.7	4,124.8	1.6	2.3	44.78	44.42	44.77	44.80	5.7	6.1	5.7	5.7
IV	4,126.4	4,119.0	4,163.7	3.8	5.8	45.56	45.16	45.57	45.60	7.2	6.9	7.3	7.3
1977: I	4,176.3	4,161.4	4,219.4	4.9	4.2	46.31	45.99	46.32	46.34	6.7	7.6	6.8	6.7
II	4,260.1	4,228.4	4,302.2	8.3	6.6	47.08	46.81	47.07	47.10	6.8	7.3	6.6	6.7
III	4,329.5	4,270.0	4,371.2	6.7	4.0	47.74	47.55	47.66	47.69	5.7	6.4	5.1	5.1
IV	4,328.3	4,303.3	4,365.0	–.1	3.2	48.55	48.36	48.63	48.66	7.0	7.1	8.4	8.4
1978: I	4,345.5	4,306.0	4,388.6	1.6	.3	49.39	49.19	49.42	49.45	7.1	7.0	6.7	6.7
II	4,510.7	4,474.6	4,546.1	16.1	16.6	50.43	50.22	50.41	50.44	8.6	8.6	8.2	8.2
III	4,552.1	4,511.6	4,591.1	3.7	3.4	51.32	51.11	51.27	51.30	7.3	7.3	7.0	7.1
IV	4,603.7	4,565.4	4,649.0	4.6	4.9	52.37	52.08	52.35	52.39	8.4	7.9	8.7	8.7
1979: I	4,605.7	4,579.0	4,652.6	.2	1.2	53.46	53.21	53.51	53.54	8.6	9.0	9.1	9.1
II	4,615.6	4,577.0	4,668.7	.9	–.2	54.70	54.52	54.65	54.68	9.6	10.2	8.8	8.8
III	4,644.9	4,639.2	4,708.8	2.6	5.5	55.82	55.89	55.82	55.85	8.5	10.4	8.9	8.9
IV	4,656.2	4,662.5	4,719.5	1.0	2.0	56.92	57.25	56.92	56.95	8.1	10.2	8.1	8.1
1980: I	4,679.0	4,675.3	4,743.0	2.0	1.1	58.25	58.89	58.18	58.22	9.7	12.0	9.2	9.2
II	4,566.6	4,579.0	4,625.6	–9.3	–8.0	59.59	60.41	59.55	59.58	9.6	10.7	9.7	9.7
III	4,562.3	4,637.1	4,617.8	–.4	5.2	60.93	61.77	61.01	61.05	9.3	9.3	10.2	10.2
IV	4,651.9	4,676.1	4,696.6	8.1	3.4	62.57	63.33	62.59	62.64	11.2	10.5	10.8	10.8
1981: I	4,739.2	4,692.9	4,787.7	7.7	1.4	64.19	64.96	64.15	64.20	10.7	10.7	10.3	10.4
II	4,696.8	4,699.0	4,742.6	–3.5	.5	65.35	66.15	65.37	65.42	7.4	7.5	7.8	7.8
III	4,753.0	4,702.5	4,801.4	4.9	.3	66.65	67.27	66.65	66.69	8.2	7.0	8.0	8.0
IV	4,693.8	4,672.0	4,747.9	–4.9	–2.6	67.85	68.48	67.87	67.91	7.4	7.3	7.5	7.5
1982: I	4,615.9	4,655.4	4,658.5	–6.5	–1.4	68.85	69.42	68.86	68.91	6.0	5.6	6.0	6.0
II	4,634.9	4,651.2	4,682.9	1.7	–.4	69.71	70.17	69.72	69.77	5.1	4.4	5.1	5.1
III	4,612.1	4,616.9	4,651.1	–2.0	–2.9	70.69	71.10	70.66	70.70	5.7	5.4	5.5	5.5
IV	4,618.3	4,681.3	4,655.6	.5	5.7	71.46	71.85	71.44	71.47	4.5	4.3	4.4	4.4
1983: I	4,663.0	4,719.4	4,700.1	3.9	3.3	72.12	72.33	72.08	72.12	3.7	2.7	3.7	3.7
II	4,763.6	4,785.3	4,804.4	8.9	5.7	72.84	73.03	72.83	72.87	4.1	3.9	4.2	4.2
III	4,849.0	4,860.7	4,891.3	7.4	6.4	73.50	73.65	73.48	73.52	3.7	3.4	3.7	3.7
IV	4,939.2	4,919.5	4,983.5	7.7	4.9	74.19	74.24	74.19	74.24	3.8	3.2	3.9	3.9
1984: I	5,053.6	4,961.0	5,092.6	9.6	3.4	75.00	75.04	75.02	75.06	4.4	4.4	4.5	4.5
II	5,132.9	5,050.0	5,172.4	6.4	7.4	75.62	75.65	75.58	75.63	3.3	3.3	3.1	3.1
III	5,170.3	5,085.6	5,209.5	3.0	2.9	76.25	76.19	76.25	76.29	3.4	2.9	3.5	3.6
IV	5,203.7	5,149.9	5,237.5	2.6	5.2	76.82	76.71	76.81	76.85	3.0	2.7	3.0	2.9
1985: I	5,257.3	5,231.7	5,280.3	4.2	6.5	77.64	77.38	77.63	77.67	4.3	3.6	4.4	4.3
II	5,283.7	5,261.0	5,310.8	2.0	2.3	78.25	78.02	78.25	78.29	3.2	3.3	3.3	3.2
III	5,359.6	5,336.9	5,378.4	5.9	5.9	78.80	78.58	78.76	78.80	2.8	2.9	2.6	2.6
IV	5,393.6	5,358.0	5,417.5	2.6	1.6	79.44	79.37	79.45	79.49	3.3	4.1	3.5	3.5
1986: I	5,460.8	5,410.5	5,481.1	5.1	4.0	79.81	79.77	79.81	79.85	1.9	2.0	1.8	1.8
II	5,466.9	5,448.4	5,480.1	.4	2.8	80.26	79.97	80.22	80.26	2.2	1.0	2.1	2.1
III	5,496.3	5,518.2	5,510.4	2.2	5.2	80.81	80.60	80.84	80.88	2.8	3.2	3.1	3.1
IV	5,526.8	5,546.6	5,533.1	2.2	2.1	81.44	81.25	81.45	81.49	3.2	3.3	3.1	3.0
1987: I	5,561.8	5,535.8	5,568.7	2.6	–.8	82.11	82.07	82.09	82.12	3.3	4.1	3.2	3.2
II	5,618.0	5,608.4	5,628.7	4.1	5.4	82.68	82.74	82.68	82.71	2.8	3.3	2.9	2.9
III	5,667.4	5,671.5	5,676.0	3.6	4.6	83.35	83.44	83.33	83.36	3.3	3.4	3.2	3.2
IV	5,750.6	5,688.3	5,759.6	6.0	1.2	84.08	84.19	84.09	84.12	3.6	3.6	3.7	3.7
1988: I	5,785.3	5,774.2	5,802.3	2.4	6.2	84.69	84.81	84.67	84.69	2.9	3.0	2.7	2.8
II	5,844.0	5,840.1	5,857.5	4.1	4.6	85.56	85.68	85.56	85.59	4.2	4.2	4.3	4.3
III	5,878.7	5,869.2	5,889.4	2.4	2.0	86.67	86.58	86.66	86.69	5.3	4.3	5.2	5.2
IV	5,952.8	5,937.0	5,964.9	5.1	4.7	87.46	87.44	87.44	87.47	3.7	4.0	3.7	3.7

Table C.1.—Historical Measures of Real Gross Domestic Product, Real Gross National Product, and Real Gross Domestic Purchases—Continued

[Quarterly data are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1992) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
										Chain-type price index		Implicit price deflators	
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1989: I	6,011.0	5,970.0	6,023.1	4.0	2.2	88.44	88.47	88.45	88.48	4.5	4.8	4.7	4.7
II	6,055.6	6,010.9	6,065.5	3.0	2.8	89.40	89.52	89.39	89.42	4.4	4.8	4.3	4.3
III	6,088.0	6,063.1	6,101.8	2.2	3.5	90.13	90.14	90.13	90.16	3.3	2.8	3.3	3.3
IV	6,093.5	6,070.8	6,112.3	.4	.5	90.91	90.98	90.88	90.91	3.5	3.8	3.4	3.4
1990: I	6,152.6	6,144.6	6,172.8	3.9	5.0	92.01	92.17	92.00	92.04	4.9	5.4	5.0	5.1
II	6,171.6	6,127.5	6,188.0	1.2	–1.1	93.20	93.14	93.18	93.21	5.2	4.2	5.2	5.2
III	6,142.1	6,126.6	6,155.7	–1.9	–.1	94.19	94.32	94.14	94.17	4.3	5.2	4.2	4.2
IV	6,079.0	6,108.1	6,111.3	–4.0	–1.2	95.14	95.68	95.11	95.13	4.1	5.9	4.2	4.2
1991: I	6,047.5	6,065.4	6,074.3	–2.1	–2.8	96.26	96.42	96.27	96.29	4.8	3.1	5.0	4.9
II	6,074.7	6,095.9	6,086.4	1.8	2.0	97.02	96.95	97.00	97.01	3.2	2.2	3.1	3.1
III	6,090.1	6,085.4	6,099.2	1.0	–.7	97.70	97.58	97.70	97.71	2.8	2.6	2.9	2.9
IV	6,105.3	6,083.8	6,119.5	1.0	–.1	98.30	98.27	98.31	98.32	2.5	2.9	2.5	2.5
1992: I	6,175.7	6,175.8	6,192.0	4.7	6.2	99.14	99.04	99.13	99.13	3.4	3.2	3.4	3.4
II	6,214.2	6,203.8	6,225.2	2.5	1.8	99.81	99.76	99.79	99.79	2.8	2.9	2.7	2.7
III	6,260.7	6,249.5	6,270.3	3.0	3.0	100.17	100.28	100.17	100.17	1.4	2.1	1.5	1.5
IV	6,327.1	6,320.7	6,334.6	4.3	4.6	100.88	100.92	100.88	100.88	2.8	2.6	2.9	2.9
1993: I	6,327.9	6,297.3	6,351.3	.1	–1.5	101.85	101.71	101.84	101.84	3.9	3.2	3.9	3.8
II	6,359.9	6,344.9	6,375.9	2.0	3.1	102.38	102.28	102.35	102.34	2.1	2.3	2.0	2.0
III	6,393.5	6,379.3	6,415.3	2.1	2.2	102.83	102.64	102.83	102.83	1.8	1.4	1.9	1.9
IV	6,476.9	6,453.8	6,489.7	5.3	4.8	103.52	103.28	103.51	103.50	2.7	2.5	2.7	2.6
1994: I	6,524.5	6,473.0	6,540.5	3.0	1.2	104.16	103.80	104.13	104.14	2.5	2.0	2.4	2.5
II	6,600.3	6,526.7	6,609.3	4.7	3.4	104.74	104.46	104.71	104.71	2.2	2.6	2.2	2.2
III	6,629.5	6,580.4	6,635.6	1.8	3.3	105.39	105.24	105.39	105.38	2.5	3.0	2.6	2.6
IV	6,688.6	6,624.8	6,691.2	3.6	2.7	106.07	105.88	106.09	106.06	2.6	2.5	2.7	2.6
1995: I	6,703.7	6,654.3	6,711.3	.9	1.8	106.93	106.66	106.94	106.91	3.3	3.0	3.3	3.2
II	6,708.8	6,685.3	6,721.0	.3	1.9	107.49	107.33	107.46	107.43	2.1	2.5	2.0	2.0
III	6,759.2	6,739.3	6,758.3	3.0	3.3	108.03	107.79	108.02	107.99	2.0	1.7	2.1	2.1
IV	6,796.5	6,771.9	6,804.2	2.2	2.0	108.60	108.29	108.61	108.59	2.1	1.9	2.2	2.2
1996: I	6,826.4	6,815.0	6,834.7	1.8	2.6	109.35	109.01	109.39	109.37	2.8	2.7	2.9	2.9
II	6,926.0	6,902.3	6,930.1	6.0	5.2	109.86	109.50	109.84	109.82	1.9	1.8	1.7	1.6
III	6,943.8	6,905.0	6,940.2	1.0	.2	110.59	110.15	110.54	110.50	2.7	2.4	2.6	2.5
IV	7,017.4	6,981.7	7,023.1	4.3	4.5	111.10	110.79	111.05	111.01	1.9	2.4	1.9	1.8
1997: I	7,101.6	7,034.1	7,091.8	4.9	3.0	111.78	111.32	111.71	111.67	2.4	1.9	2.4	2.4
II	7,159.6	7,077.7	7,144.4	3.3	2.5	112.27	111.55	112.22	112.17	1.8	.8	1.8	1.8
III	7,217.6	7,162.1	7,190.5	3.3	4.9	112.68	111.91	112.62	112.57	1.5	1.3	1.5	1.4

Table C.2.—Real Gross Domestic Product

[Average annual percent change, based on chained (1992) dollar estimates]

Terminal year	Initial year																									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1996	2.8	2.8	2.6	2.5	2.7	2.8	2.7	2.6	2.4	2.4	2.6	2.6	2.9	2.9	2.5	2.4	2.4	2.3	2.1	1.9	2.0	2.6	2.6	2.7	2.4	2.8
1995	2.8	2.8	2.6	2.5	2.7	2.8	2.7	2.6	2.4	2.4	2.6	2.6	2.9	2.9	2.5	2.4	2.3	2.2	2.0	1.8	1.9	2.6	2.6	2.7	2.0	
1994	2.8	2.8	2.7	2.5	2.7	2.9	2.7	2.6	2.4	2.4	2.6	2.6	3.0	2.9	2.5	2.4	2.4	2.3	2.0	1.7	1.9	2.8	2.9	3.5		
1993	2.8	2.8	2.6	2.5	2.6	2.8	2.7	2.5	2.4	2.3	2.5	2.6	3.0	2.9	2.4	2.3	2.2	2.1	1.7	1.3	1.4	2.5	2.3			
1992	2.8	2.8	2.6	2.5	2.7	2.8	2.7	2.6	2.4	2.3	2.6	2.6	3.1	3.0	2.5	2.3	2.2	2.0	1.6	1.0	.9	2.7				
1991	2.8	2.8	2.6	2.5	2.7	2.9	2.7	2.5	2.3	2.3	2.5	2.6	3.1	3.0	2.4	2.2	2.1	1.9	1.2	.1	–.9					
1990	3.0	3.0	2.8	2.7	2.9	3.1	3.0	2.8	2.6	2.6	2.9	3.0	3.6	3.6	3.0	2.9	2.8	2.8	2.3	1.2						
1989	3.1	3.1	2.9	2.8	3.0	3.3	3.1	3.0	2.7	2.7	3.1	3.2	4.0	4.0	3.4	3.3	3.4	3.6	3.4							
1988	3.1	3.1	2.9	2.7	3.0	3.2	3.1	2.9	2.7	2.7	3.0	3.1	4.1	4.1	3.4	3.3	3.4	3.8								
1987	3.0	3.0	2.9	2.7	2.9	3.2	3.0	2.8	2.6	2.5	2.9	3.0	4.1	4.1	3.2	3.0	2.9									
1986	3.0	3.0	2.9	2.6	2.9	3.2	3.0	2.8	2.5	2.5	2.9	3.1	4.4	4.5	3.3	3.1										
1985	3.0	3.0	2.8	2.6	2.9	3.2	3.0	2.8	2.4	2.4	2.9	3.0	4.8	5.3	3.6											
1984	3.0	3.0	2.8	2.5	2.8	3.2	2.9	2.7	2.2	2.1	2.7	2.9	5.5	7.0												
1983	2.7	2.6	2.4	2.1	2.4	2.7	2.3	2.0	1.3	.9	1.3	.9	4.0													
1982	2.6	2.5	2.2	1.9	2.2	2.5	2.1	1.6	.6	–.1	.1	–2.1														
1981	3.0	3.0	2.7	2.4	2.8	3.3	2.9	2.5	1.6	1.0	2.3															
1980	3.1	3.1	2.8	2.4	2.9	3.6	3.1	2.6	1.2	–.3																
1979	3.5	3.5	3.2	2.8	3.5	4.6	4.3	4.1	2.8																	
1978	3.6	3.6	3.3	2.8	3.7	5.1	5.0	5.4																		
1977	3.3	3.3	2.9	2.2	3.2	5.0	4.7																			
1976	3.1	3.1	2.5	1.4	2.4	5.4																				
1975	2.7	2.5	1.5	–.5	–.4																					
1974	3.4	3.5	2.5	–.6																						
1973	4.8	5.6	5.8																							
1972	4.4	5.5																								
1971	3.3																									

Table C.3.—Chain-Type Price Index for Gross Domestic Product

[Average annual percent change]

Terminal year	Initial year																									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1996	5.1	5.1	5.1	5.1	4.9	4.7	4.6	4.5	4.4	4.1	3.8	3.5	3.3	3.2	3.2	3.1	3.2	3.2	3.1	3.0	2.8	2.5	2.5	2.4	2.4	2.3
1995	5.2	5.2	5.2	5.2	5.0	4.8	4.8	4.7	4.5	4.3	3.9	3.6	3.4	3.3	3.2	3.2	3.3	3.3	3.3	3.1	2.9	2.6	2.5	2.5	2.5	
1994	5.3	5.3	5.3	5.3	5.2	4.9	4.9	4.8	4.6	4.4	4.0	3.6	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.2	2.9	2.6	2.5	2.4		
1993	5.4	5.4	5.5	5.5	5.3	5.1	5.0	4.9	4.8	4.5	4.2	3.7	3.5	3.4	3.4	3.4	3.5	3.6	3.6	3.4	3.1	2.7	2.6			
1992	5.5	5.6	5.6	5.6	5.5	5.2	5.2	5.1	4.9	4.7	4.3	3.8	3.6	3.5	3.5	3.5	3.7	3.8	3.8	3.7	3.3	2.8				
1991	5.7	5.7	5.8	5.8	5.6	5.4	5.3	5.3	5.1	4.8	4.4	4.0	3.7	3.6	3.6	3.6	3.8	4.0	4.2	4.1	3.9					
1990	5.8	5.8	5.9	5.9	5.7	5.5	5.4	5.4	5.2	4.9	4.5	4.0	3.7	3.6	3.6	3.6	3.8	4.1	4.3	4.4						
1989	5.8	5.9	6.0	6.0	5.8	5.6	5.5	5.5	5.3	5.0	4.5	3.9	3.6	3.5	3.4	3.4	3.6	3.9	4.2							
1988	5.9	6.0	6.1	6.1	5.9	5.7	5.6	5.6	5.4	5.1	4.5	3.9	3.5	3.3	3.2	3.1	3.4	3.7								
1987	6.1	6.1	6.3	6.3	6.1	5.8	5.8	5.8	5.6	5.2	4.7	3.9	3.4	3.2	3.0	2.8	3.1									
1986	6.3	6.3	6.5	6.6	6.4	6.1	6.1	6.1	5.9	5.5	4.9	4.1	3.5	3.3	3.0	2.6										
1985	6.5	6.6	6.8	6.9	6.7	6.4	6.5	6.5	6.4	6.0	5.4	4.4	3.8	3.6	3.4											
1984	6.7	6.9	7.1	7.2	7.0	6.8	6.9	7.0	6.9	6.6	5.9	4.8	4.0	3.8												
1983	7.0	7.1	7.4	7.6	7.4	7.2	7.3	7.5	7.5	7.3	6.6	5.3	4.3													
1982	7.2	7.4	7.7	7.9	7.8	7.6	7.9	8.2	8.4	8.3	7.8	6.3														
1981	7.3	7.5	7.9	8.1	8.0	7.8	8.2	8.6	9.1	9.3	9.4															
1980	7.1	7.3	7.7	8.0	7.8	7.5	7.9	8.4	8.9	9.3																
1979	6.8	7.0	7.4	7.7	7.5	7.0	7.4	7.9	8.5																	
1978	6.6	6.8	7.3	7.6	7.2	6.5	6.9	7.3																		
1977	6.5	6.7	7.3	7.7	7.2	6.1	6.5																			
1976	6.5	6.8	7.5	8.1	7.6	5.8																				
1975	6.7	7.0	8.0	9.2	9.4																					
1974	6.0	6.3	7.3	8.9																						
1973	5.0	4.9	5.6																							
1972	4.7	4.2																								
1971	5.2																									

Table C.4.—Real Gross Domestic Purchases

[Average annual percent change, based on chained (1992) dollar estimates]

Terminal year	Initial year																									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1996	2.7	2.7	2.6	2.5	2.7	2.9	2.7	2.6	2.4	2.4	2.7	2.7	3.1	2.9	2.4	2.3	2.2	2.1	2.0	2.0	2.1	2.9	2.9	2.9	2.4	2.9
1995	2.7	2.7	2.6	2.5	2.7	2.9	2.7	2.5	2.4	2.4	2.7	2.7	3.1	2.9	2.4	2.2	2.1	2.0	1.9	1.8	2.0	2.9	2.9	2.9	1.9	
1994	2.8	2.7	2.6	2.5	2.7	2.9	2.7	2.6	2.4	2.4	2.8	2.8	3.2	3.0	2.4	2.3	2.1	2.1	1.9	1.8	2.0	3.2	3.4	3.9		
1993	2.7	2.7	2.6	2.4	2.7	2.9	2.7	2.5	2.3	2.3	2.7	2.7	3.1	2.9	2.3	2.1	1.9	1.8	1.5	1.2	1.4	2.9	2.9			
1992	2.7	2.7	2.5	2.4	2.6	2.9	2.7	2.5	2.3	2.3	2.7	2.7	3.1	2.9	2.2	1.9	1.7	1.5	1.2	.7	.6	2.8				
1991	2.7	2.7	2.5	2.4	2.6	2.9	2.6	2.5	2.2	2.2	2.6	2.7	3.1	2.9	2.1	1.8	1.5	1.2	.6	–.4	–1.6					
1990	2.9	2.9	2.7	2.6	2.9	3.2	3.0	2.8	2.6	2.6	3.1	3.1	3.7	3.5	2.7	2.5	2.3	2.1	1.8	.8						
1989	3.0	3.0	2.9	2.7	3.0	3.4	3.1	2.9	2.7	2.8	3.3	3.4	4.2	4.0	3.1	2.9	2.8	2.8	2.7							
1988	3.1	3.0	2.9	2.7	3.1	3.4	3.2	3.0	2.7	2.8	3.4	3.5	4.4	4.2	3.2	3.0	2.8	2.9								
1987	3.1	3.0	2.9	2.7	3.1	3.4	3.2	3.0	2.7	2.8	3.5	3.6	4.7	4.6	3.3	3.0	2.7									
1986	3.1	3.1	2.9	2.7	3.1	3.5	3.2	3.0	2.7	2.8	3.6	3.8	5.2	5.2	3.6	3.3										
1985	3.1	3.0	2.8	2.7	3.1	3.5	3.2	2.9	2.6	2.7	3.7	4.0	5.9	6.2	3.9											
1984	3.0	3.0	2.8	2.6	3.0	3.5	3.1	2.8	2.4	2.5	3.6	4.0	6.9	8.5												
1983	2.6	2.5	2.3	2.0	2.4	2.9	2.4	1.9	1.2	1.0	2.0	1.8	5.3													
1982	2.4	2.3	2.0	1.6	2.0	2.5	1.9	1.2	.2	–.4	.4	–1.6														
1981	2.8	2.7	2.4	2.1	2.6	3.2	2.6	1.9	.9	.2	2.4															
1980	2.8	2.7	2.3	2.0	2.6	3.4	2.7	1.8	.1	–2.0																
1979	3.3	3.3	3.0	2.7	3.5	4.8	4.3	3.7	2.2																	
1978	3.5	3.5	3.1	2.8	3.9	5.7	5.3	5.3																		
1977	3.2	3.2	2.7	2.2	3.4	5.9	5.4																			
1976	2.9	2.7	2.0	1.1	2.5	6.4																				
1975	2.2	1.8	.6	–1.4	–1.3																					
1974	3.1	2.9	1.6	–1.5																						
1973	4.7	5.2	4.8																							
1972	4.6	5.7																								
1971	3.6																									

NOTE.—In these triangles, the growth rate from one year to any other year can be found at the intersection of the column for the earlier year and the row for the later year; thus, growth rates from one year to the next are shown on the main diagonal. For example, from 1985 to 1995, real gross domestic product grew at an average annual rate of 2.4 percent; from 1984 to 1985, it grew 3.6 percent.

Table C.5.—Chain-Type Price Index for Gross Domestic Purchases

[Average annual percent change]

Terminal year	Initial year																									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1996	5.2	5.1	5.2	5.1	4.9	4.7	4.7	4.5	4.4	4.1	3.7	3.4	3.2	3.2	3.1	3.1	3.2	3.1	3.1	2.9	2.7	2.5	2.4	2.3	2.4	2.2
1995	5.3	5.3	5.3	5.3	5.1	4.8	4.8	4.7	4.5	4.3	3.8	3.5	3.3	3.2	3.2	3.2	3.3	3.3	3.2	3.1	2.8	2.5	2.4	2.4	2.5	
1994	5.4	5.4	5.4	5.4	5.2	5.0	4.9	4.8	4.7	4.4	3.9	3.5	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.2	2.8	2.5	2.4	2.3		
1993	5.5	5.5	5.6	5.6	5.3	5.1	5.1	5.0	4.8	4.5	4.1	3.6	3.4	3.4	3.4	3.4	3.5	3.6	3.5	3.4	3.0	2.6	2.5			
1992	5.7	5.7	5.7	5.7	5.5	5.3	5.2	5.1	5.0	4.7	4.2	3.7	3.5	3.5	3.5	3.5	3.7	3.8	3.8	3.7	3.2	2.8				
1991	5.8	5.8	5.9	5.9	5.7	5.4	5.4	5.3	5.2	4.8	4.3	3.8	3.6	3.6	3.6	3.7	3.9	4.0	4.1	4.1	3.7					
1990	5.9	5.9	6.0	6.0	5.8	5.6	5.5	5.4	5.3	4.9	4.4	3.9	3.6	3.6	3.6	3.7	3.9	4.1	4.4	4.5						
1989	6.0	6.0	6.1	6.1	5.9	5.6	5.6	5.5	5.3	5.0	4.4	3.8	3.5	3.4	3.4	3.5	3.7	3.9	4.2							
1988	6.1	6.1	6.2	6.3	6.0	5.7	5.7	5.6	5.5	5.1	4.4	3.7	3.4	3.3	3.2	3.2	3.5	3.6								
1987	6.2	6.3	6.4	6.5	6.2	5.9	5.9	5.8	5.7	5.2	4.5	3.7	3.3	3.2	3.1	3.0	3.4									
1986	6.4	6.5	6.6	6.7	6.4	6.1	6.2	6.1	5.9	5.5	4.7	3.8	3.3	3.1	2.9	2.6										
1985	6.7	6.8	6.9	7.0	6.8	6.5	6.6	6.5	6.4	6.0	5.1	4.1	3.5	3.4	3.2											
1984	6.9	7.0	7.3	7.4	7.1	6.9	7.0	7.0	7.0	6.6	5.6	4.4	3.7	3.5												
1983	7.2	7.3	7.6	7.8	7.5	7.3	7.5	7.6	7.7	7.3	6.3	4.8	3.8													
1982	7.5	7.7	8.0	8.2	8.0	7.8	8.1	8.4	8.7	8.6	7.5	5.9														
1981	7.6	7.9	8.2	8.5	8.3	8.1	8.6	9.0	9.6	9.9	9.2															
1980	7.5	7.7	8.1	8.4	8.2	7.9	8.5	9.0	9.8	10.7																
1979	7.1	7.3	7.8	8.1	7.7	7.3	7.7	8.2	9.0																	
1978	6.9	7.1	7.6	7.9	7.3	6.7	7.1	7.4																		
1977	6.8	7.1	7.6	8.0	7.3	6.3	6.9																			
1976	6.8	7.1	7.8	8.4	7.5	5.8																				
1975	7.0	7.4	8.4	9.7	9.3																					
1974	6.4	6.8	8.0	10.2																						
1973	5.2	5.2	5.9																							
1972	4.9	4.5																								
1971	5.3																									

Table C.6.—Real Final Sales of Domestic Product

[Average annual percent change, based on chained (1992) dollar estimates]

Terminal year	Initial year																									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1996	2.8	2.8	2.6	2.5	2.7	2.7	2.7	2.6	2.4	2.4	2.5	2.6	2.9	2.8	2.6	2.4	2.3	2.3	2.1	1.9	2.0	2.6	2.6	2.7	2.6	2.8
1995	2.8	2.8	2.6	2.5	2.7	2.7	2.7	2.6	2.4	2.4	2.5	2.6	2.9	2.8	2.6	2.4	2.3	2.2	2.0	1.8	1.8	2.5	2.5	2.7	2.5	
1994	2.8	2.8	2.6	2.5	2.7	2.8	2.7	2.6	2.4	2.4	2.5	2.6	2.9	2.8	2.6	2.4	2.3	2.2	1.9	1.7	1.7	2.5	2.5	2.9		
1993	2.8	2.8	2.6	2.5	2.7	2.8	2.7	2.6	2.4	2.3	2.5	2.6	2.9	2.8	2.6	2.3	2.2	2.1	1.7	1.4	1.3	2.3	2.1			
1992	2.8	2.8	2.7	2.5	2.7	2.8	2.7	2.6	2.4	2.3	2.5	2.6	3.0	2.9	2.6	2.4	2.2	2.1	1.6	1.1	.9	2.5				
1991	2.8	2.8	2.7	2.5	2.7	2.8	2.7	2.6	2.4	2.3	2.5	2.6	3.0	2.9	2.7	2.3	2.1	2.0	1.3	.4	–.7					
1990	3.0	3.0	2.9	2.7	2.9	3.0	3.0	2.9	2.7	2.6	2.8	3.0	3.5	3.5	3.2	3.0	2.8	2.9	2.3	1.6						
1989	3.1	3.1	2.9	2.8	3.0	3.1	3.1	3.0	2.8	2.7	2.9	3.2	3.8	3.8	3.6	3.3	3.2	3.5	3.0							
1988	3.1	3.1	2.9	2.8	3.0	3.2	3.1	3.0	2.7	2.7	2.9	3.2	3.9	4.0	3.7	3.4	3.4	4.1								
1987	3.0	3.0	2.9	2.7	2.9	3.1	3.0	2.9	2.6	2.5	2.8	3.1	3.9	3.9	3.6	3.1	2.6									
1986	3.0	3.0	2.9	2.7	2.9	3.1	3.0	2.9	2.6	2.5	2.8	3.2	4.2	4.4	4.1	3.5										
1985	3.0	3.0	2.8	2.6	2.9	3.1	3.0	2.8	2.5	2.3	2.7	3.1	4.4	4.8	4.6											
1984	2.9	2.9	2.7	2.4	2.7	2.9	2.8	2.6	2.1	1.9	2.2	2.6	4.3	5.0												
1983	2.7	2.7	2.5	2.2	2.5	2.7	2.5	2.2	1.5	1.1	1.3	1.4	3.7													
1982	2.6	2.6	2.3	2.0	2.3	2.5	2.3	1.9	1.0	.3	.1	–.9														
1981	3.0	3.0	2.7	2.4	2.8	3.1	2.9	2.6	1.7	.8	1.1															
1980	3.1	3.2	2.9	2.6	3.1	3.5	3.4	3.1	2.0	.6																
1979	3.4	3.5	3.2	2.9	3.6	4.3	4.3	4.3	3.4																	
1978	3.4	3.5	3.2	2.8	3.6	4.6	4.8	5.3																		
1977	3.2	3.3	2.8	2.2	3.1	4.2	4.4																			
1976	3.0	3.0	2.4	1.5	2.4	4.0																				
1975	2.8	2.8	1.9	.3	.9																					
1974	3.3	3.4	2.5	–.3																						
1973	4.5	5.3	5.3																							
1972	4.1	5.4																								
1971	2.7																									

Table C.7.—Real Disposable Personal Income

[Average annual percent change, based on chained (1992) dollar estimates]

Terminal year	Initial year																									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
1996	2.8	2.8	2.7	2.5	2.7	2.7	2.6	2.6	2.5	2.4	2.6	2.6	2.7	2.7	2.3	2.3	2.2	2.2	2.0	2.0	2.0	2.4	2.3	2.6	2.8	2.3
1995	2.8	2.8	2.7	2.5	2.7	2.7	2.7	2.6	2.5	2.5	2.6	2.6	2.7	2.7	2.3	2.3	2.1	2.2	2.0	2.0	2.0	2.5	2.4	2.7	3.3	
1994	2.8	2.8	2.7	2.5	2.6	2.7	2.6	2.6	2.4	2.4	2.5	2.5	2.7	2.7	2.2	2.1	2.0	2.1	1.7	1.7	1.7	2.2	1.9	2.2		
1993	2.8	2.8	2.7	2.5	2.7	2.7	2.6	2.6	2.4	2.4	2.6	2.6	2.7	2.7	2.2	2.1	2.0	2.0	1.7	1.6	1.5	2.2	1.7			
1992	2.9	2.8	2.8	2.5	2.7	2.8	2.7	2.7	2.5	2.5	2.6	2.7	2.8	2.9	2.3	2.2	2.0	2.1	1.7	1.6	1.4	2.8				
1991	2.9	2.8	2.8	2.5	2.7	2.8	2.7	2.7	2.5	2.5	2.6	2.6	2.8	2.9	2.2	2.1	1.9	1.9	1.3	.9	0					
1990	3.0	3.0	2.9	2.7	2.9	3.0	2.9	2.9	2.7	2.7	2.9	2.9	3.2	3.3	2.6	2.5	2.3	2.6	1.9	1.8						
1989	3.1	3.1	3.0	2.7	3.0	3.0	3.0	3.0	2.8	2.8	3.0	3.1	3.4	3.5	2.8	2.7	2.5	2.9	2.0							
1988	3.2	3.1	3.0	2.8	3.0	3.1	3.1	3.0	2.8	2.8	3.1	3.2	3.6	3.8	3.0	2.9	2.8	3.9								
1987	3.1	3.1	3.0	2.7	3.0	3.1	3.0	3.0	2.7	2.7	3.0	3.1	3.6	3.8	2.6	2.4	1.6									
1986	3.2	3.2	3.1	2.8	3.1	3.2	3.1	3.1	2.8	2.9	3.2	3.4	4.1	4.5	3.1	3.2										
1985	3.2	3.2	3.1	2.7	3.0	3.2	3.1	3.1	2.8	2.8	3.2	3.5	4.4	5.1	3.0											
1984	3.2	3.2	3.1	2.7	3.1	3.2	3.1	3.1	2.8	2.8	3.3	3.6	5.0	7.3												
1983	2.9	2.8	2.7	2.3	2.6	2.7	2.5	2.4	1.9	1.6	2.0	1.8	2.8													
1982	2.9	2.8	2.7	2.2	2.6	2.7	2.5	2.3	1.6	1.3	1.6	.9														
1981	3.1	3.0	2.9	2.4	2.8	3.0	2.8	2.7	1.9	1.5	2.3															
1980	3.2	3.1	2.9	2.4	2.9	3.1	2.9	2.8	1.7	.6																
1979	3.5	3.4	3.3	2.7	3.4	3.8	3.7	3.9	2.7																	
1978	3.6	3.5	3.4	2.6	3.5	4.1	4.2	5.2																		
1977	3.4	3.3	3.0	2.0	3.0	3.6	3.2																			
1976	3.4	3.3	3.0	1.6	2.8	3.9																				
1975	3.3	3.1	2.6	.5	1.7																					
1974	3.7	3.6	3.1	–.7																						
1973	5.2	5.8	7.1																							
1972	4.3	4.6																								
1971	4.0																									

D. Domestic Perspectives

These tables present data collected from other government agencies and private organizations, as noted. Quarterly data are shown in the middle month of the quarter.

Table D.1.—Domestic Perspectives

	1995	1996	1996				1997									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
	Consumer and producer prices, (seasonally adjusted) [1]															
Consumer price index for all urban consumers, 1982–84=100:																
All items	152.4	156.9	157.9	158.3	158.8	159.2	159.4	159.8	159.9	160.0	160.1	160.3	160.6	160.9	161.3	161.6
Less food and energy	161.2	165.6	166.7	167.0	167.4	167.7	167.9	168.3	168.7	169.2	169.5	169.7	170.0	170.1	170.4	170.8
Services	168.7	174.1	175.4	175.8	176.3	176.8	177.2	177.6	178.0	178.5	178.8	179.3	179.8	180.0	180.4	181.0
Producer price index, 1982=100:																
Finished goods	127.9	131.3	132.0	132.5	132.7	133.4	133.0	132.6	132.3	131.6	131.3	131.1	131.0	131.4	132.0	132.1
Less food and energy	140.0	142.0	142.4	142.3	142.3	142.5	142.5	142.4	142.6	142.5	142.2	142.3	142.1	142.2	142.8	142.8
Finished consumer goods	125.6	129.5	130.3	131.0	131.3	132.1	131.6	131.1	130.8	129.9	129.6	129.4	129.2	129.7	130.4	130.6
Capital equipment	136.7	138.3	138.7	138.5	138.5	138.5	138.6	138.5	138.5	138.4	138.1	138.2	138.0	138.0	138.4	138.3
Intermediate materials	124.9	125.7	126.2	126.0	125.8	126.4	126.6	126.4	125.9	125.5	125.3	125.3	125.1	125.2	125.6	125.5
Crude materials	102.7	113.5	112.8	112.0	115.0	122.1	126.7	116.2	107.3	107.9	110.2	106.7	106.7	107.4	108.0	112.3
	Money, interest rates, and stock prices															
Money stock (seasonally adjusted): [2]																
Percent change:																
M1	.....	.....	–0.61	–1.19	–0.02	0.09	–0.13	0.09	–0.50	–0.94	–0.24	0.02	–0.10	0.70	–0.83	–0.32
M2	.....	.....	.26	.26	.49	.55	.40	.39	.40	.46	–.07	.34	.27	.90	.49	.40
Ratio:																
Gross domestic product to M1	6.356	6.906	.....	.....	7.212	.....	.....	7.355	.....	.....	7.553	.....	.....	7.638	.....	.....
Personal income to M2	1.722	1.734	1.746	1.740	1.742	1.745	1.747	1.753	1.756	1.751	1.758	1.762	1.760	1.755	1.752	1.754
Interest rates (percent, not seasonally adjusted): [2]																
Federal funds rate	5.83	5.30	5.30	5.24	5.31	5.29	5.25	5.19	5.39	5.51	5.50	5.56	5.52	5.54	5.54	5.50
Discount rate on new 91-day Treasury bills	5.51	5.02	5.15	5.01	5.03	4.87	5.05	5.00	5.14	5.17	5.13	4.92	5.07	5.13	4.97	4.95
Yield on new high-grade corporate bonds	7.72	7.62	7.84	7.69	7.43	7.45	7.63	7.54	7.85	8.04	7.90	7.71	7.44	7.30	7.04	6.90
10-Year U.S. Treasury bonds	6.57	6.44	6.83	6.53	6.20	6.30	6.58	6.42	6.69	6.89	6.71	6.49	6.22	6.30	6.21	6.03
Yield on municipal bonds, 20-bond average	5.95	5.76	5.87	5.72	5.59	5.64	5.72	5.63	5.76	5.88	5.70	5.53	5.35	5.41	5.39	5.38
Mortgage commitment rate	7.95	7.80	8.23	7.92	7.62	7.60	7.82	7.65	7.90	8.14	7.94	7.69	7.50	7.48	7.43	7.29
Average prime rate charged by banks	8.83	8.27	8.25	8.25	8.25	8.25	8.25	8.25	8.30	8.50	8.50	8.50	8.50	8.50	8.50	8.50
Index of stock prices (not seasonally adjusted): [3]																
500 common stocks, 1941–43=10	541.64	670.83	674.88	701.46	735.67	743.25	766.22	798.39	792.16	763.93	833.09	876.29	925.29	927.74	937.02	951.16
	Labor markets (thousands, seasonally adjusted, unless otherwise noted) [1]															
Civilian labor force	132,304	133,943	134,291	134,636	134,831	135,022	135,848	135,634	136,319	136,098	136,173	136,200	136,290	136,480	136,467	136,361
Labor force participation rates (percent):																
Males 20 and over	76.7	76.8	76.7	76.8	76.9	76.8	77.1	76.9	77.1	77.1	76.9	77.0	77.0	77.0	76.8	76.8
Females 20 and over	59.4	59.9	60.0	60.1	60.2	60.3	60.4	60.2	60.6	60.4	60.5	60.5	60.4	60.6	60.6	60.4
16–19 years of age	53.5	52.3	52.2	52.4	52.0	52.3	51.9	52.8	52.9	52.1	52.2	51.0	51.4	50.5	50.7	50.6
Civilian employment	124,900	126,708	127,248	127,617	127,644	127,855	128,580	128,430	129,175	129,384	129,639	129,364	129,708	129,804	129,715	129,894
Ratio, civilian employment to working-age population (percent)	62.9	63.2	63.3	63.4	63.4	63.4	63.6	63.5	63.8	63.8	63.9	63.7	63.8	63.8	63.7	63.7
Persons engaged in nonagricultural activities	121,460	123,264	123,768	124,167	124,290	124,429	125,112	125,138	125,789	125,887	126,209	125,973	126,226	126,421	126,265	126,591
Employees on nonagricultural payrolls	117,191	119,523	120,019	120,248	120,450	120,659	120,909	121,162	121,344	121,671	121,834	122,056	122,440	122,492	122,761	123,045
Goods-producing industries	24,265	24,431	24,439	24,479	24,508	24,540	24,581	24,653	24,670	24,667	24,702	24,714	24,713	24,765	24,756	24,827
Services-producing industries	92,925	95,092	95,580	95,769	95,942	96,119	96,328	96,509	96,674	97,004	97,132	97,342	97,727	97,727	98,005	98,218
Average weekly hours, manufacturing (hours)	41.6	41.6	41.7	41.7	41.7	42.0	41.8	41.9	42.1	42.1	42.0	41.8	41.8	41.8	41.8	42.0
Average weekly overtime hours, manufacturing (hours)	4.4	4.5	4.5	4.5	4.6	4.7	4.7	4.7	4.9	4.9	4.8	4.6	4.7	4.7	4.7	4.8
Number of persons unemployed	7,404	7,236	7,043	7,019	7,187	7,167	7,268	7,205	7,144	6,714	6,534	6,836	6,583	6,677	6,752	6,467
Unemployment rates (percent):																
Total	5.6	5.4	5.2	5.2	5.3	5.3	5.4	5.3	5.2	4.9	4.8	5.0	4.8	4.9	4.9	4.7
15 weeks and over	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.6	1.5	1.6	1.5
Average duration of unemployment (weeks)	16.6	16.7	16.9	16.7	16.0	15.8	16.0	16.0	15.3	15.2	15.1	15.1	16.6	15.9	16.0	16.6
Nonfarm business sector, 1992=100:																
Output per hour of all persons	100.7	102.0	.....	.....	102.4	.....	.....	102.8	.....	.....	103.4	.....	.....	104.5	.....	.....
Unit labor costs	106.0	107.9	.....	.....	108.9	.....	.....	109.7	.....	.....	110.0	.....	.....	109.9	.....	.....
Hourly compensation	106.7	110.1	.....	.....	111.5	.....	.....	112.8	.....	.....	113.7	.....	.....	114.9	.....	.....

See footnotes at the end of the table.

Table D.1.—Domestic Perspectives—Continued

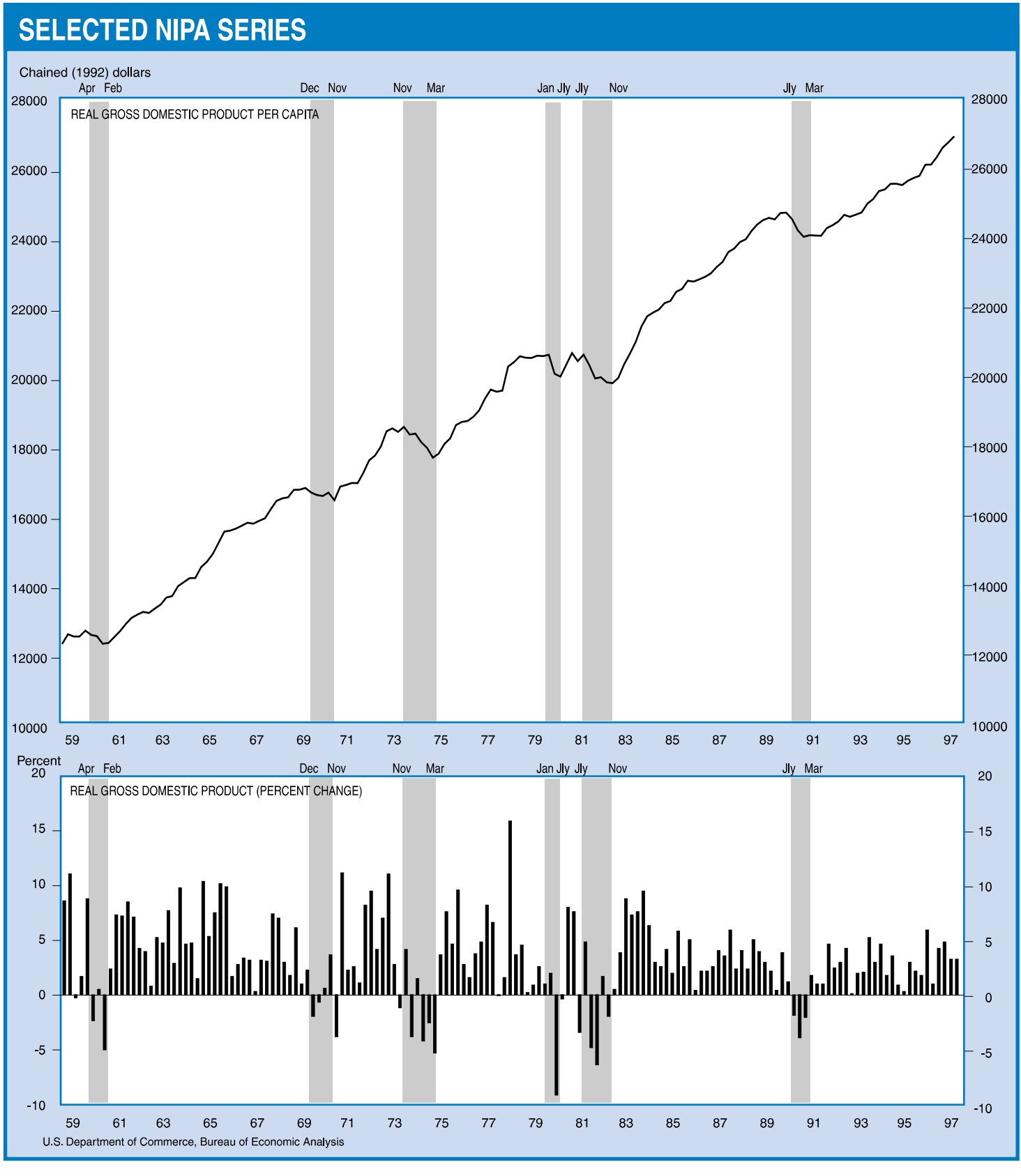
	1995	1996	1996				1997									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
	Construction (seasonally adjusted at annual rates) [4]															
Total new private construction put in place (billions of dollars)	406.8	437.1	444.4	449.0	448.9	447.0	444.4	452.0	452.7	457.6	459.9	456.9	463.5	464.1	458.0	.....
Residential	230.7	247.2	249.0	247.9	248.3	247.9	246.7	251.4	254.0	259.9	259.7	257.3	258.8	259.7	262.2	.....
Nonresidential	135.0	149.4	153.5	159.3	159.9	157.4	161.0	163.7	160.5	156.5	160.0	159.2	164.8	164.1	155.8	.....
Housing starts (thousands of units):																
Total	1,354	1,477	1,470	1,407	1,486	1,353	1,375	1,554	1,479	1,483	1,402	1,503	1,465	1,395	1,507	1,528
1-unit structures	1,076	1,161	1,148	1,104	1,133	1,024	1,125	1,237	1,142	1,133	1,098	1,134	1,149	1,091	1,187	1,142
New 1-family houses sold (thousands of units)	667	757	768	706	788	794	822	826	825	765	764	802	821	802	800	.....
	Manufacturing and trade, inventories and sales (millions of dollars, seasonally adjusted) [4]															
Sales:																
Total manufacturing and trade	8,179,165	8,601,158	724,357	727,725	730,646	728,760	737,464	747,790	745,460	746,769	742,945	750,027	757,485	752,886	762,550	.....
Manufacturing	3,589,395	3,735,183	315,971	316,461	319,296	316,306	319,725	322,967	322,923	326,909	323,567	328,315	332,895	330,178	335,321	.....
Merchant wholesalers	2,265,732	2,420,679	203,437	204,987	205,561	205,560	207,506	211,801	210,195	209,926	210,008	210,772	211,041	208,336	213,093	.....
Retail trade	2,324,038	2,445,296	204,949	206,277	205,789	206,894	210,233	213,022	212,342	209,934	209,370	210,940	213,549	214,372	214,136	.....
Inventories:																
Total manufacturing and trade	985,905	1,004,425	999,312	1,004,990	1,004,540	1,004,425	1,007,618	1,011,899	1,013,376	1,017,150	1,019,025	1,026,255	1,027,787	1,030,243	1,037,405	.....
Manufacturing	429,089	434,434	432,674	434,038	435,200	434,434	435,743	437,873	438,560	441,508	443,460	444,823	446,602	448,447	449,136	.....
Merchant wholesalers	253,066	255,808	254,654	255,671	255,850	255,808	257,895	258,088	259,389	258,046	259,029	264,154	262,314	264,899	268,043	.....
Retail trade	303,750	314,183	311,984	315,281	313,490	314,183	313,980	315,938	315,427	317,596	316,536	317,278	318,871	316,897	320,226	.....
	Industrial production indexes and capacity utilization rates (seasonally adjusted) [2]															
Industrial production indexes, 1992=100:																
Total	112.1	115.2	116.0	116.2	117.2	117.7	117.8	118.4	118.8	119.3	119.5	119.9	120.8	121.5	122.1	122.7
By industry:																
Durable manufactures	119.7	125.7	127.2	127.1	128.4	128.8	129.5	130.8	131.7	132.3	132.7	134.1	135.4	137.5	137.8	138.7
Nondurable manufactures	106.2	106.3	106.9	107.4	107.9	108.8	108.5	108.6	108.7	108.7	108.7	108.4	109.1	108.8	109.2	109.7
By market category:																
Consumer goods	108.9	110.4	110.5	110.8	112.3	112.7	111.7	111.6	112.1	112.1	112.6	112.3	112.5	113.3	113.5	114.2
Capacity utilization rates (percent):																
Total industry	83.8	83.1	83.1	83.0	83.4	83.5	83.3	83.5	83.6	83.6	83.5	83.5	83.9	84.1	84.2	84.3
Manufacturing	83.1	82.1	82.1	82.0	82.4	82.5	82.4	82.6	82.7	82.6	82.4	82.5	82.9	83.2	83.1	83.3
	Credit market borrowing (billions of dollars, seasonally adjusted at annual rates) [2]															
All sectors, by instrument:																
Total	1,218.3	1,316.0	.....	.....	1,358.4	.....	.....	995.3	.....	.....	1,224.7	.....	.....	.....	.....	.....
Open market paper	74.3	102.6	.....	.....	142.1	.....	.....	199.4	.....	.....	109.4	.....	.....	.....	.....	.....
U.S. government securities	348.5	376.5	.....	.....	379.7	.....	.....	186.9	.....	.....	189.1	.....	.....	.....	.....	.....
Municipal securities	–48.2	1.3	.....	.....	44.2	.....	.....	23.2	.....	.....	76.5	.....	.....	.....	.....	.....
Corporate and foreign bonds	311.8	273.0	.....	.....	326.2	.....	.....	84.3	.....	.....	289.7	.....	.....	.....	.....	.....
Bank loans, n.e.c.	113.0	95.7	.....	.....	64.5	.....	.....	148.3	.....	.....	146.6	.....	.....	.....	.....	.....
Other loans and advances	49.3	50.0	.....	.....	13.2	.....	.....	–14.2	.....	.....	59.8	.....	.....	.....	.....	.....
Mortgages	229.0	330.6	.....	.....	346.0	.....	.....	281.4	.....	.....	301.2	.....	.....	.....	.....	.....
Consumer credit	140.5	86.3	.....	.....	42.6	.....	.....	85.9	.....	.....	52.4	.....	.....	.....	.....	.....

Sources:
1. Bureau of Labor Statistics.
2. Federal Reserve Board.
3. Standard and Poor's, Inc.
4. Bureau of the Census.

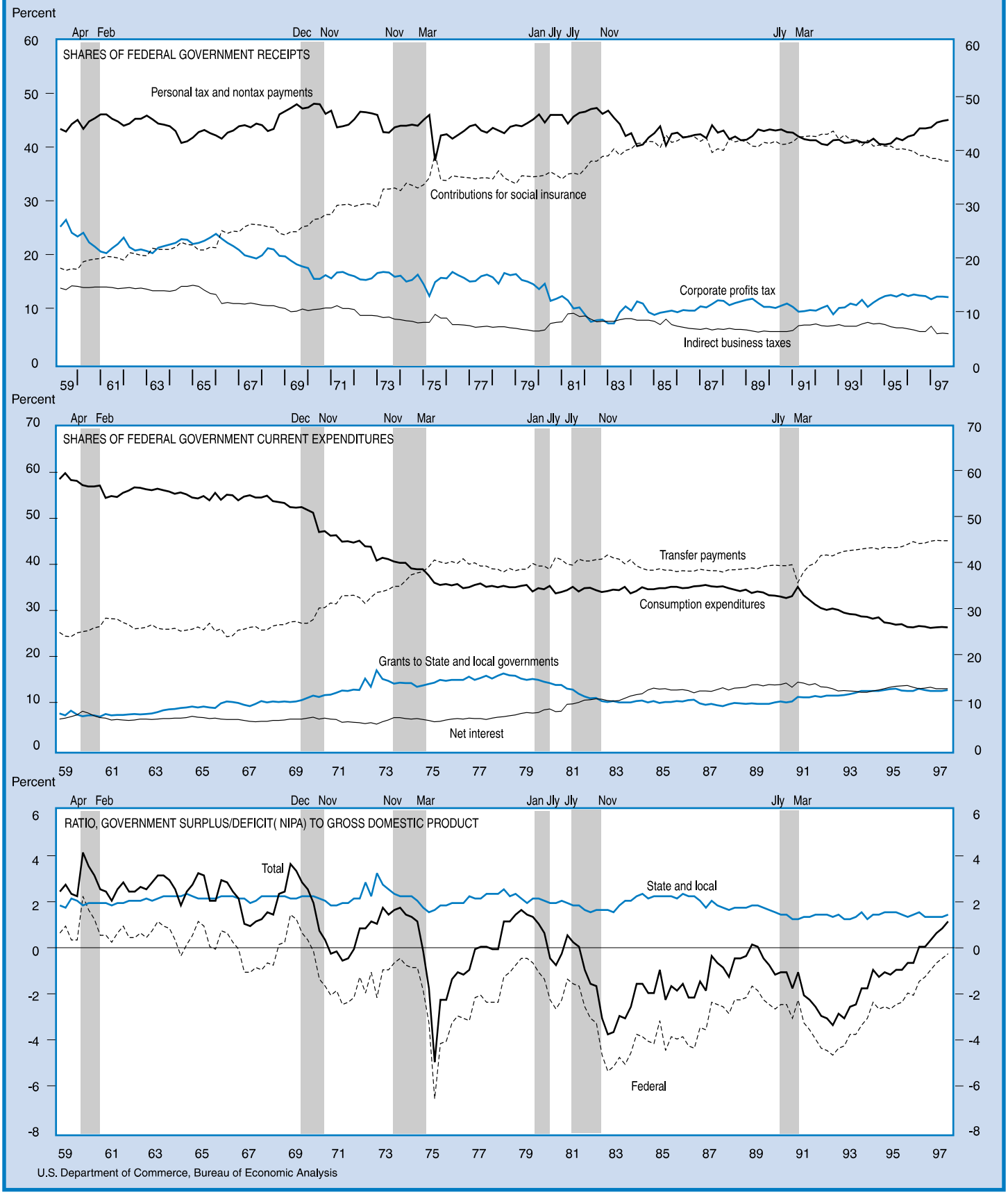
n.e.c. Not elsewhere classified.

E. Charts

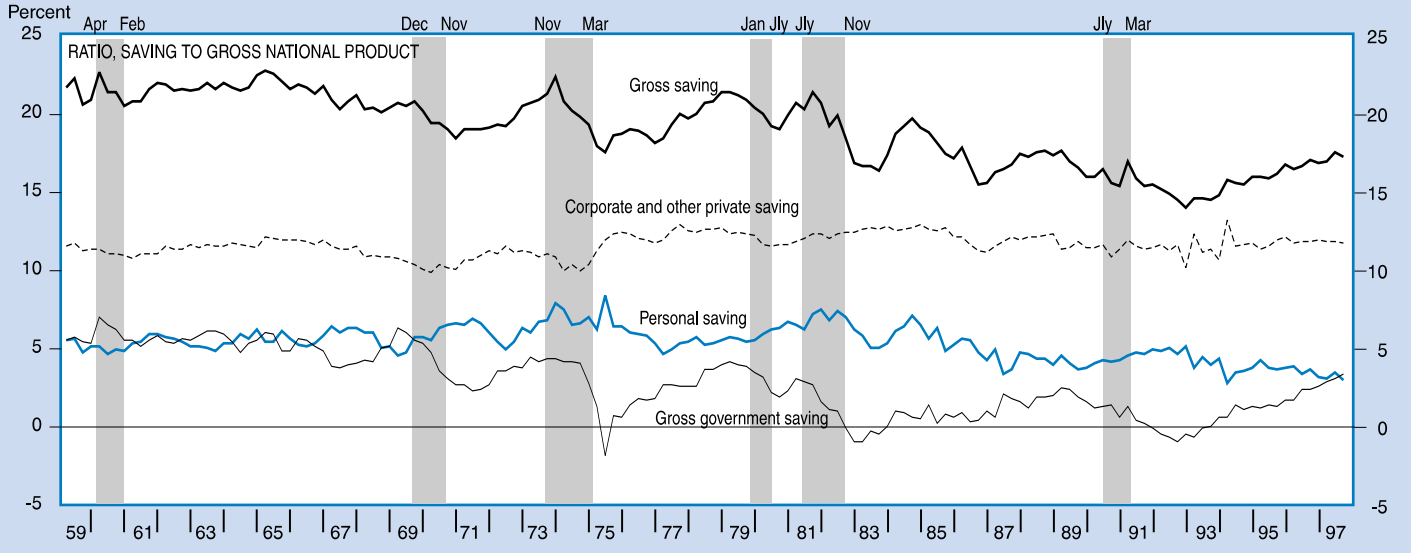
Percent changes shown in this section are based on quarter-to-quarter changes and are expressed at seasonally adjusted annual rates; likewise, levels of series are expressed at seasonally adjusted annual rates as appropriate.

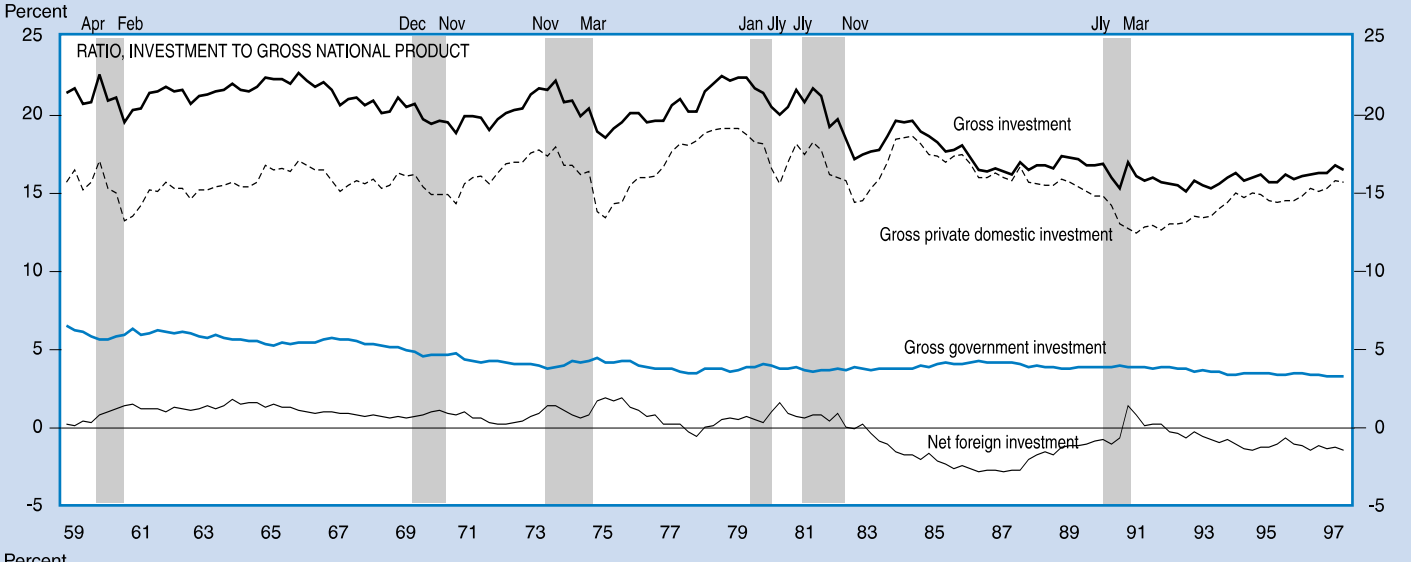


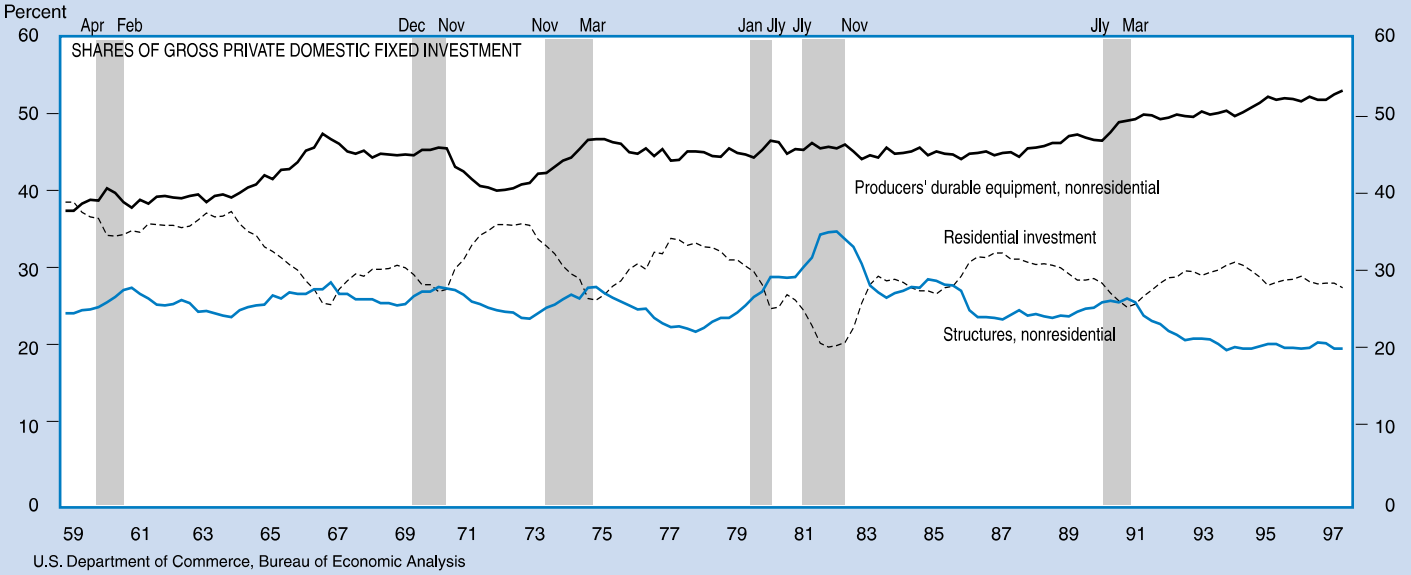
SELECTED NIPA SERIES



SELECTED NIPA SERIES







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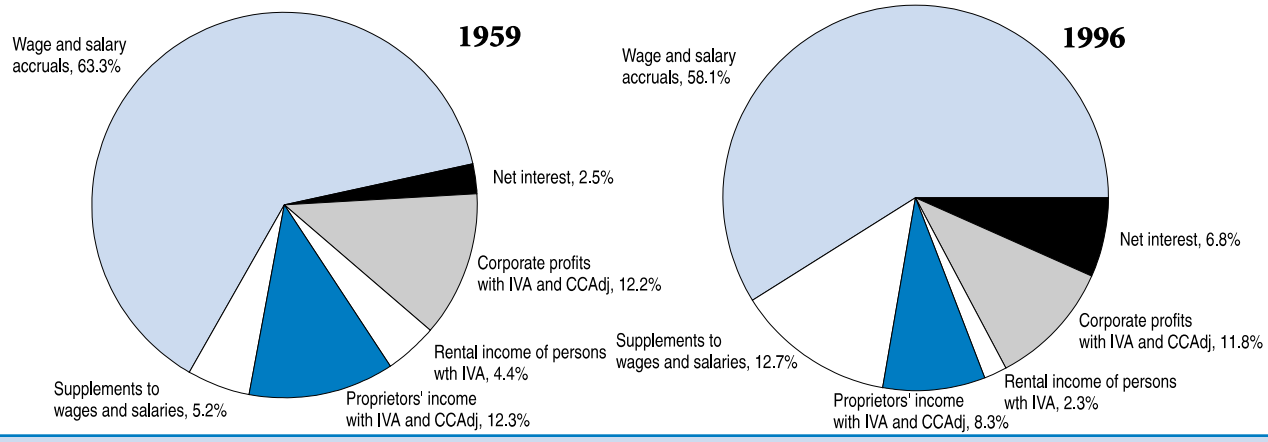
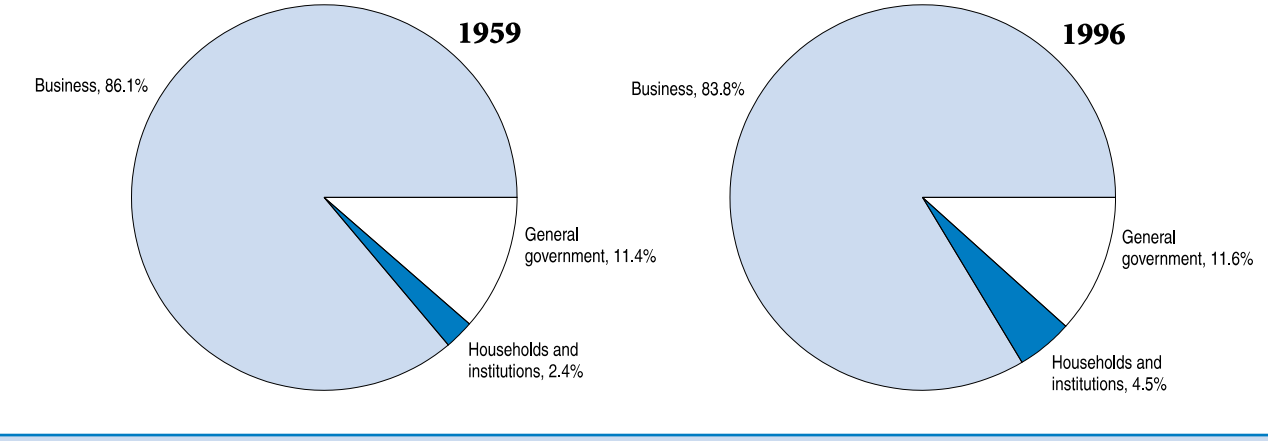
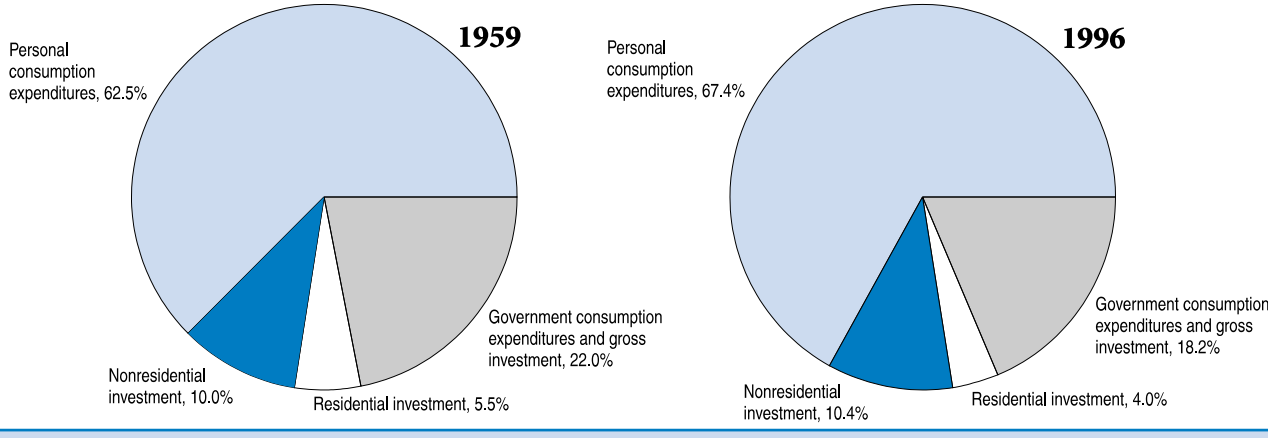
SHARES OF NATIONAL INCOME



SHARES OF GROSS DOMESTIC PRODUCT BY SECTOR



SHARES OF GROSS DOMESTIC PURCHASES



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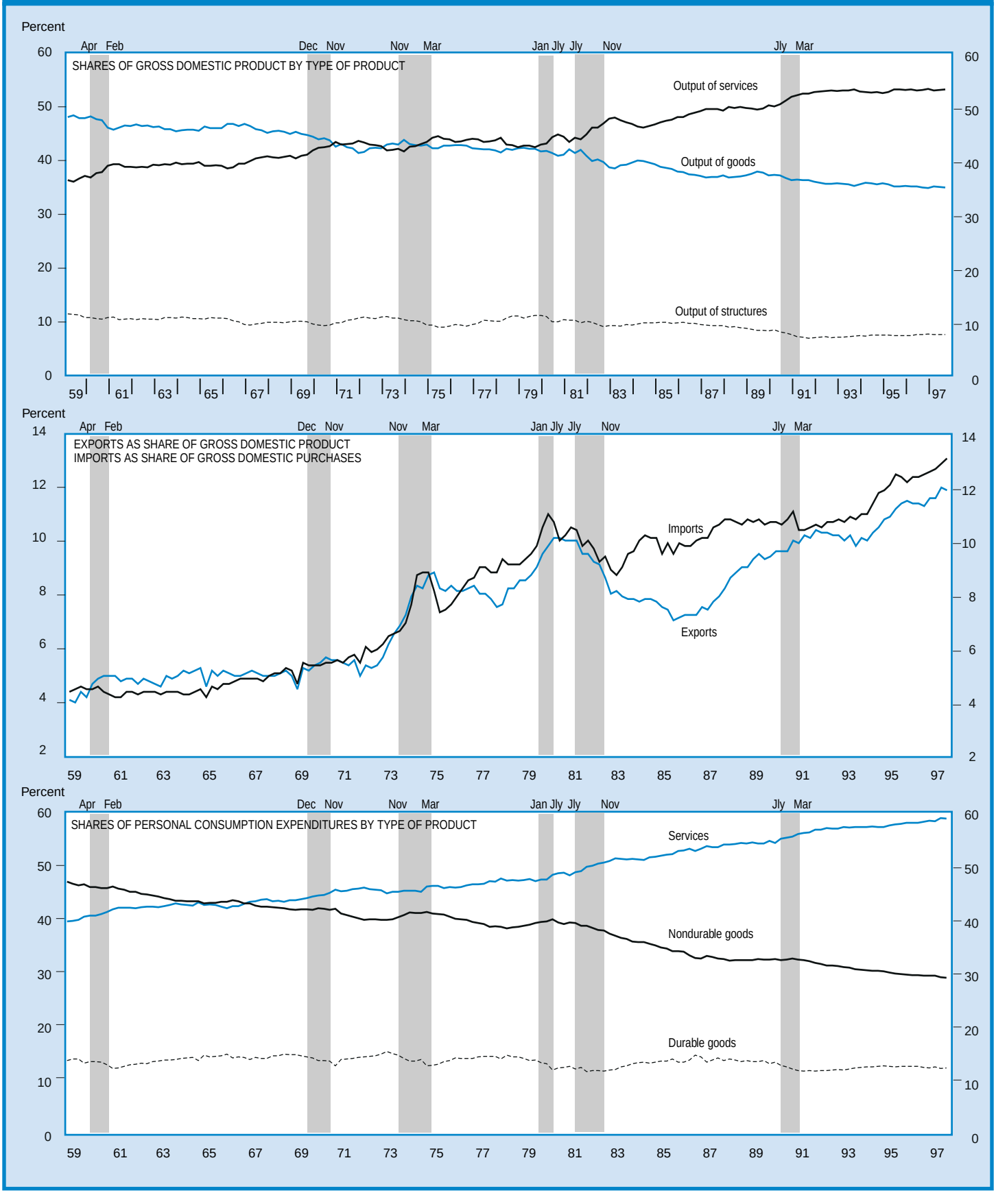
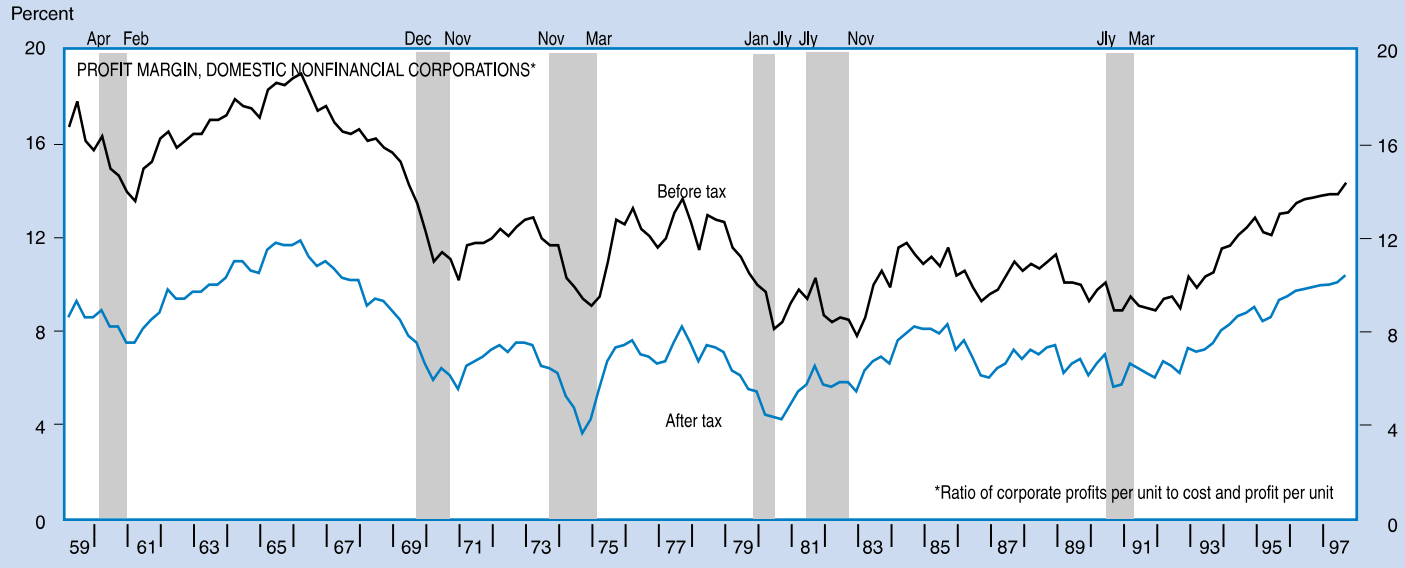
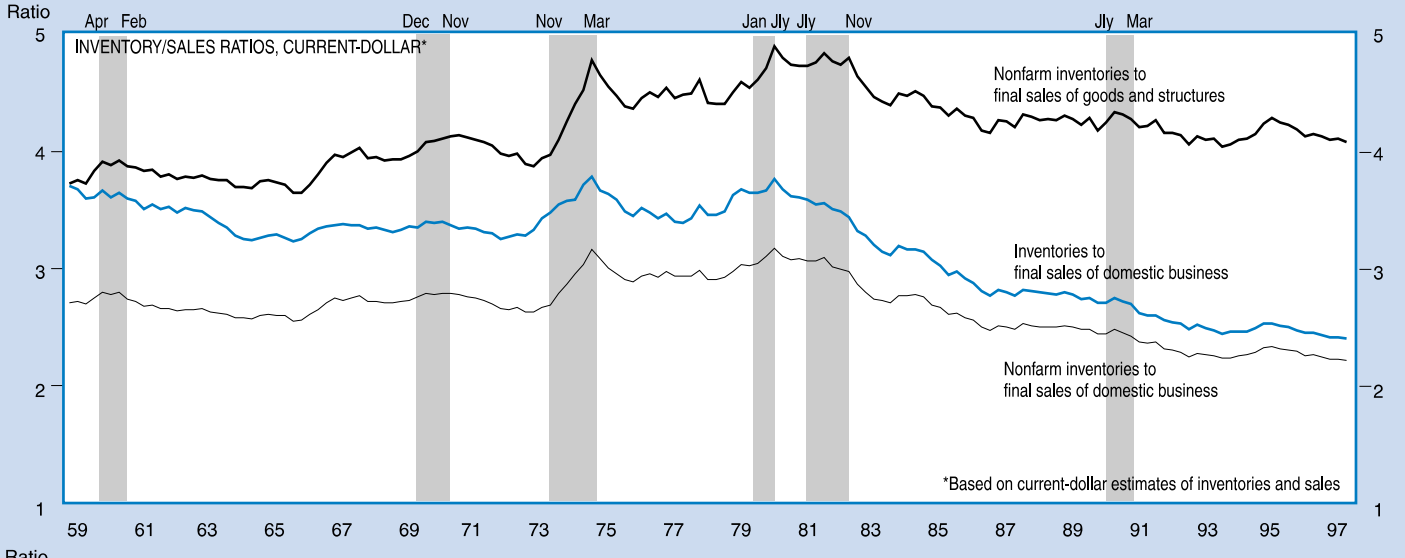
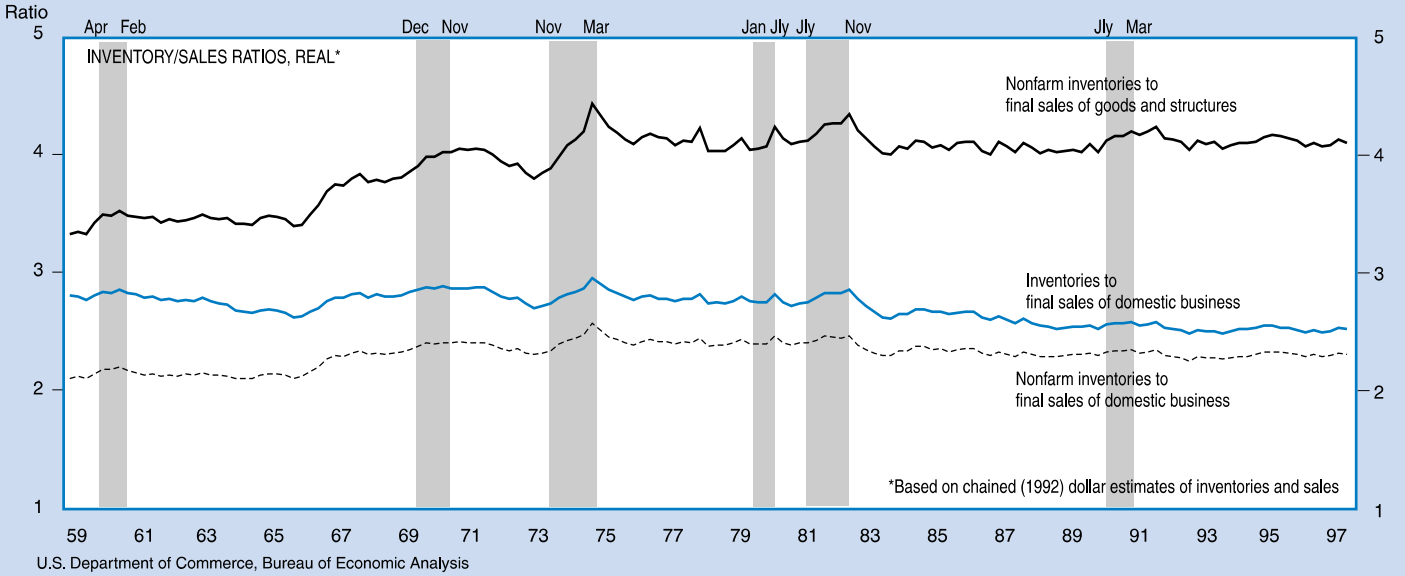


SELECTED NIPA SERIES







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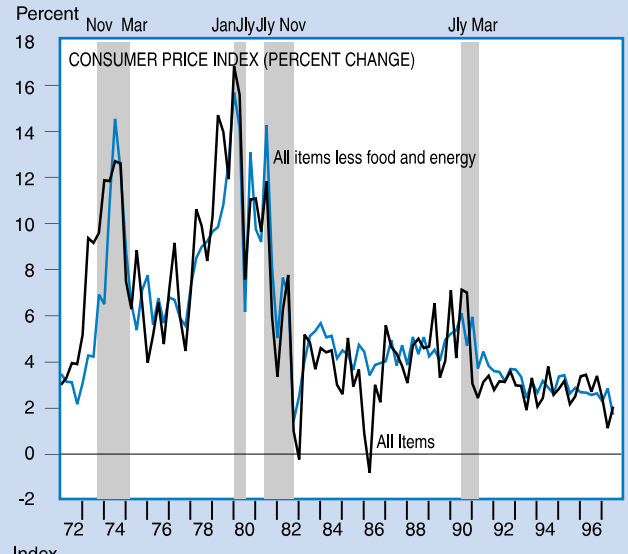
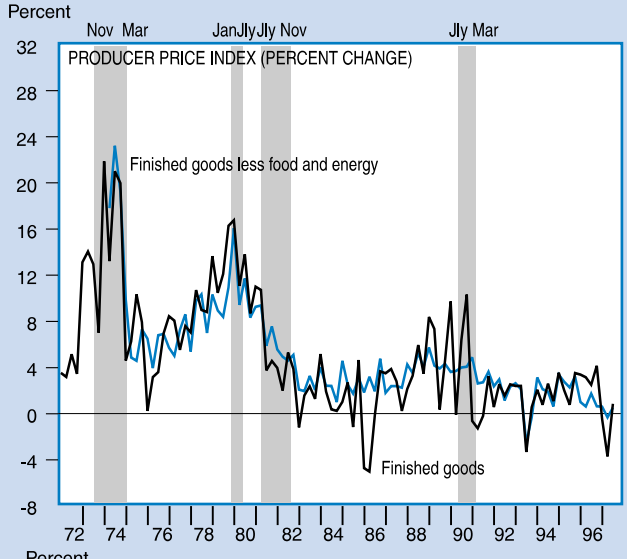
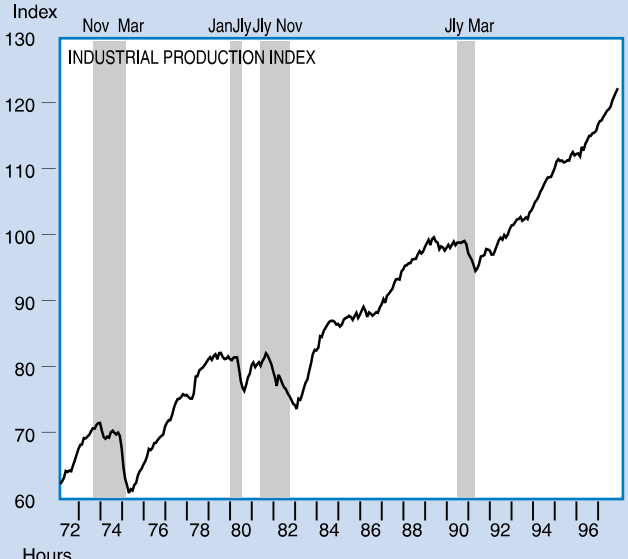
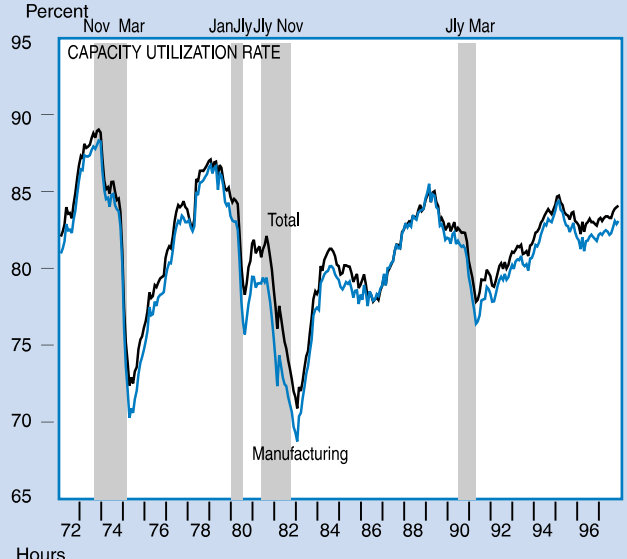
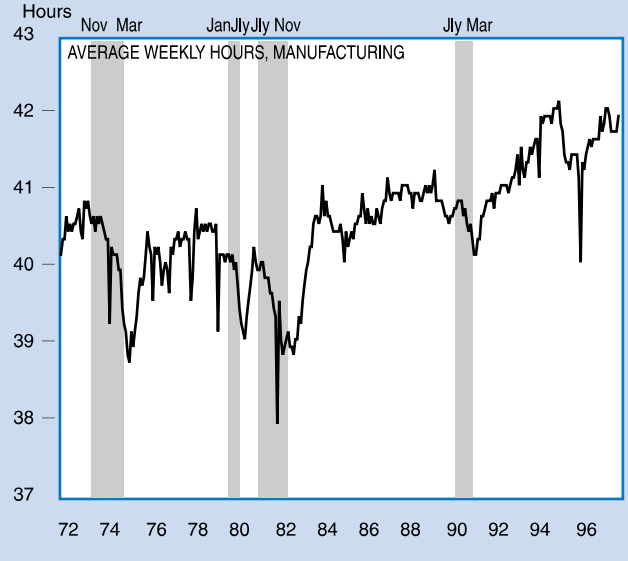
OTHER INDICATORS OF THE DOMESTIC ECONOMY

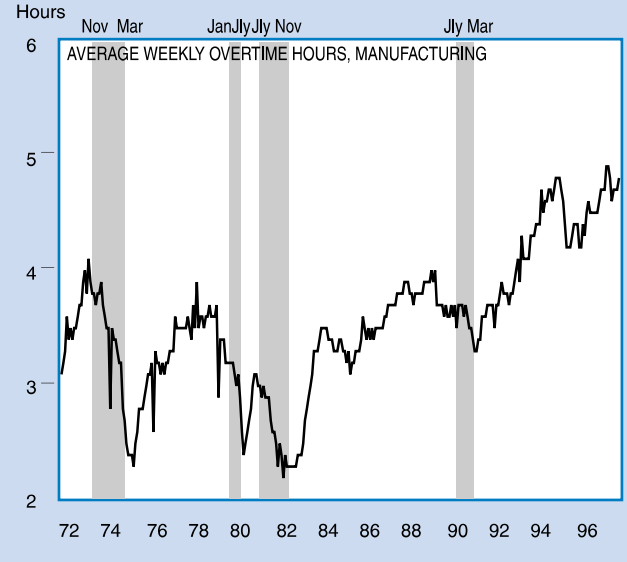












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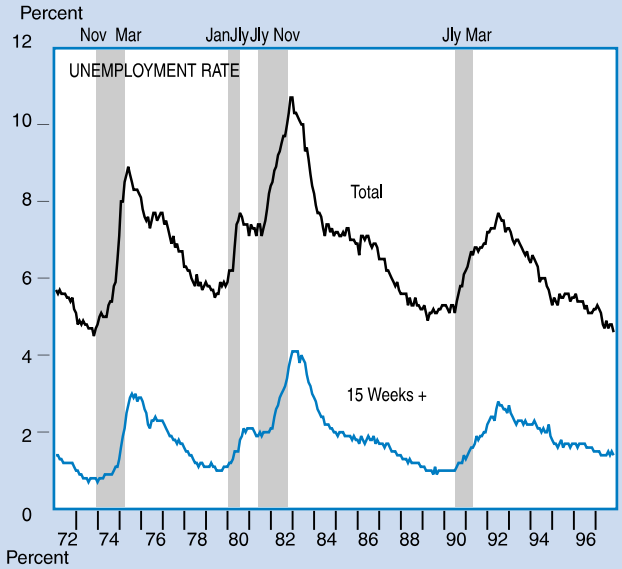
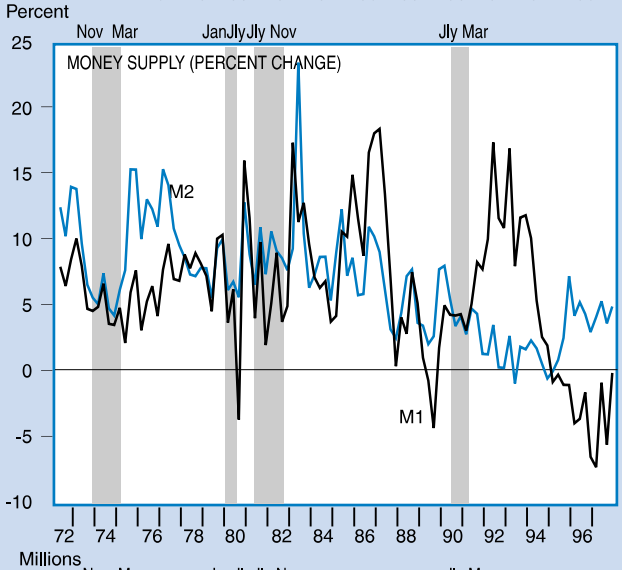
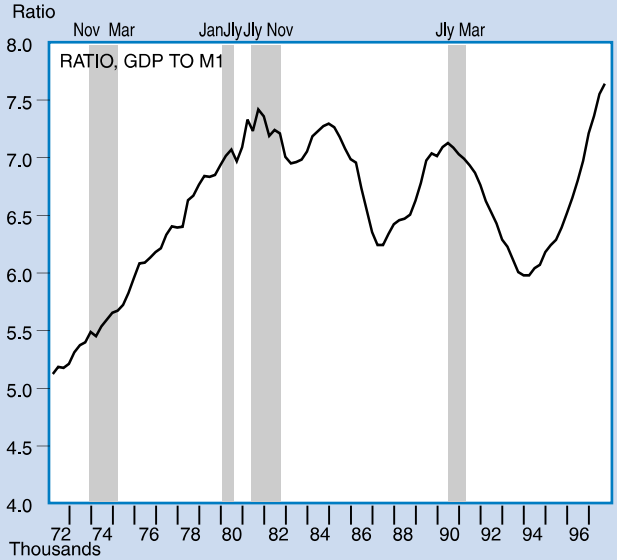
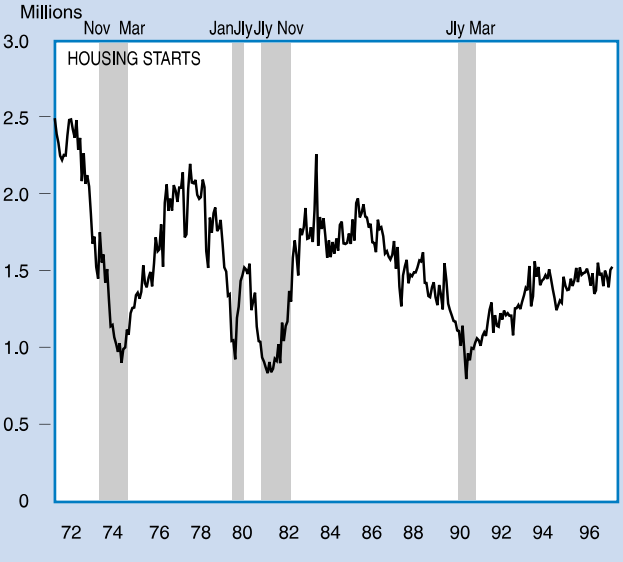
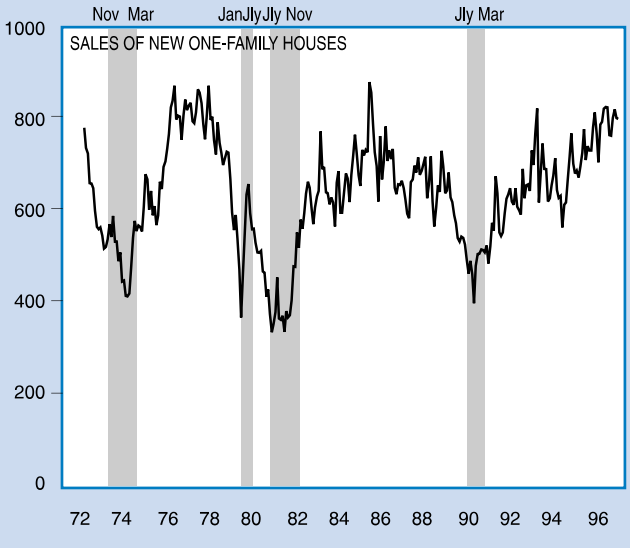
OTHER INDICATORS OF THE DOMESTIC ECONOMY











U.S. Department of Commerce, Bureau of Economic Analysis

International Data

F. Transactions Tables

Table F.1 includes the most recent estimates of U.S. international trade in goods and services; the estimates were released on November 20, 1997 and include "preliminary" estimates for September 1997 and "revised" estimates for August. The sources for the other tables in this section are as noted.

Table F.1.—U.S. International Transactions in Goods and Services

[Millions of dollars; monthly estimates seasonally adjusted]

	1995	1996	1996					1997								
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.[r]	Sept.[p]
Exports of goods and services	**794,610**	**848,833**	**71,150**	**70,435**	**73,088**	**73,969**	**72,444**	**71,848**	**74,282**	**78,124**	**77,791**	**77,742**	**78,515**	**77,787**	**78,578**	**77,999**
Goods	**575,871**	**612,069**	**51,254**	**50,423**	**52,503**	**53,209**	**52,133**	**51,686**	**53,687**	**57,155**	**57,162**	**56,871**	**57,378**	**56,745**	**57,326**	**56,508**
Foods, feeds, and beverages	50,473	55,534	4,686	4,424	4,545	5,012	4,398	4,327	4,272	4,181	4,162	4,052	3,929	3,832	4,234	4,342
Industrial supplies and materials	146,247	147,652	12,339	12,189	12,679	12,252	12,463	12,091	12,706	13,731	13,507	13,399	13,885	13,169	13,373	13,197
Capital goods, except automotive	233,046	252,895	21,158	20,417	22,049	22,211	22,052	21,555	22,715	24,713	24,971	24,760	24,482	24,898	24,913	24,802
Automotive vehicles, engines, and parts	61,828	65,021	5,485	5,719	5,410	5,878	5,465	5,600	5,907	6,228	6,171	5,935	6,251	6,261	6,174	5,877
Consumer goods (nonfood), except automotive	64,425	70,138	5,868	5,892	6,141	6,070	6,015	6,068	6,264	6,481	6,339	6,663	6,720	6,397	6,448	6,401
Other goods	28,723	33,836	3,071	3,092	2,744	3,064	3,056	2,595	2,493	2,808	2,709	3,057	2,968	3,218	3,228	3,015
Adjustments [1]	–8,871	–13,006	–1,352	–1,309	–1,065	–1,279	–1,316	–551	–671	–988	–697	–995	–857	–1,031	–1,044	–1,127
Services	**218,739**	**236,764**	**19,896**	**20,012**	**20,585**	**20,760**	**20,311**	**20,162**	**20,595**	**20,969**	**20,629**	**20,871**	**21,137**	**21,042**	**21,252**	**21,491**
Travel	63,395	69,908	5,945	6,047	6,145	6,215	5,823	5,947	6,243	6,366	5,957	6,028	6,106	6,056	6,150	6,347
Passenger fares	19,125	20,557	1,766	1,789	1,791	1,801	1,690	1,711	1,797	1,811	1,742	1,765	1,801	1,776	1,776	1,848
Other transportation	27,412	27,216	2,293	2,230	2,400	2,393	2,349	2,291	2,321	2,387	2,364	2,358	2,417	2,387	2,410	2,424
Royalties and license fees	27,383	29,974	2,498	2,514	2,559	2,570	2,574	2,561	2,563	2,575	2,633	2,647	2,655	2,674	2,687	2,700
Other private services	66,850	73,569	6,145	6,196	6,321	6,370	6,426	6,510	6,588	6,662	6,702	6,808	6,882	6,955	7,012	6,930
Transfers under U.S. military agency sales contracts [2]	13,756	14,647	1,179	1,165	1,299	1,342	1,381	1,074	1,015	1,101	1,167	1,202	1,213	1,127	1,149	1,174
U.S. Government miscellaneous services	818	893	70	71	70	69	68	68	68	67	64	63	63	67	68	68
Imports of goods and services	**896,467**	**959,873**	**81,157**	**81,323**	**81,023**	**81,634**	**83,045**	**83,458**	**84,138**	**85,955**	**86,585**	**87,299**	**86,808**	**87,805**	**88,035**	**89,067**
Goods	**749,431**	**803,239**	**68,013**	**68,400**	**67,823**	**68,385**	**69,828**	**69,834**	**70,448**	**72,032**	**72,689**	**73,234**	**72,622**	**73,593**	**73,885**	**74,650**
Foods, feeds, and beverages	33,176	35,710	3,015	2,991	3,009	2,976	3,189	3,074	3,105	3,328	3,358	3,378	3,251	3,395	3,347	3,384
Industrial supplies and materials	181,849	204,482	17,384	17,841	18,250	17,562	18,698	17,944	17,641	17,969	17,575	17,905	17,565	17,456	17,878	18,229
Capital goods, except automotive	221,431	229,050	19,010	19,133	18,943	19,330	19,581	19,466	19,439	20,422	20,686	20,988	21,250	21,574	22,060	21,908
Automotive vehicles, engines, and parts	123,795	128,938	11,216	11,160	10,156	11,234	10,846	11,763	12,113	11,685	11,366	11,625	11,594	12,291	11,817	11,767
Consumer goods (nonfood), except automotive	159,905	171,007	14,438	14,769	14,952	14,749	15,149	15,117	15,256	14,927	16,214	16,079	15,716	16,100	16,009	16,611
Other goods	23,387	26,102	2,181	2,199	2,198	2,245	2,130	2,224	2,465	2,244	2,472	2,361	2,355	2,549	2,531	2,493
Adjustments [1]	5,888	7,950	770	307	315	289	235	247	429	1,456	1,019	897	891	227	242	258
Services	**147,036**	**156,634**	**13,144**	**12,923**	**13,200**	**13,249**	**13,217**	**13,624**	**13,690**	**13,923**	**13,896**	**14,065**	**14,186**	**14,212**	**14,150**	**14,417**
Travel	46,053	48,739	4,046	3,955	4,025	4,156	4,061	4,295	4,312	4,411	4,286	4,381	4,426	4,367	4,369	4,465
Passenger fares	14,433	15,776	1,324	1,305	1,344	1,367	1,342	1,411	1,425	1,447	1,427	1,434	1,453	1,455	1,457	1,496
Other transportation	28,249	28,453	2,403	2,372	2,478	2,323	2,366	2,448	2,439	2,491	2,526	2,550	2,486	2,532	2,517	2,570
Royalties and license fees	6,503	7,322	658	556	577	589	604	588	598	613	651	666	674	683	665	677
Other private services	39,285	42,796	3,554	3,578	3,640	3,680	3,707	3,739	3,770	3,811	3,851	3,875	3,987	4,009	3,975	4,041
Direct defense expenditures [2]	9,890	10,861	928	925	909	907	911	914	917	922	930	934	936	938	939	940
U.S. Government miscellaneous services	2,623	2,687	231	232	227	227	226	229	229	228	225	225	224	228	228	228
Memoranda:																
Balance on goods	–173,560	–191,170	–16,759	–17,976	–15,320	–15,176	–17,695	–18,149	–16,761	–14,877	–15,528	–16,363	–15,244	–16,849	–16,559	–18,142
Balance on services	71,703	80,130	6,752	7,089	7,385	7,511	7,094	6,538	6,905	7,046	6,733	6,806	6,951	6,830	7,102	7,074
Balance on goods and services	–101,857	–111,040	–10,007	–10,887	–7,935	–7,665	–10,601	–11,611	–9,856	–7,831	–8,795	–9,557	–8,293	–10,019	–9,457	–11,068

[p] Preliminary.
[r] Revised.
1. Reflects adjustments necessary to bring the Census Bureau's component data in line with the concepts and definitions used to prepare BEA's international and national accounts.
2. Contains goods that cannot be separately identified.
Source: U.S. Department of Commerce, Bureau of Economic Analysis and Bureau of the Census

Table F.2.—U.S. International Transactions

[Millions of dollars]

Line	(Credits +; debits –) [1]	1996	Not seasonally adjusted						Seasonally adjusted					
			1996				1997		1996				1997	
			I	II	III	IV	I r	II p	I	II	III	IV	I r	II p
1	**Exports of goods, services, and income**	**1,055,233**	**256,473**	**261,665**	**260,424**	**276,672**	**278,315**	**292,320**	**256,382**	**262,335**	**261,979**	**274,545**	**279,521**	**292,721**
2	Goods, adjusted, excluding military [2]	612,069	151,442	154,198	145,670	160,759	162,812	172,626	150,048	153,411	150,764	157,846	162,527	171,489
3	Services [3]	236,764	55,409	57,121	63,564	60,669	59,841	60,967	57,057	58,736	59,322	61,656	61,725	62,637
4	Transfers under U.S. military agency sales contracts [4]	14,647	3,092	3,961	3,572	4,022	3,190	3,582	3,092	3,961	3,572	4,022	3,190	3,582
5	Travel	69,908	14,804	17,165	21,041	16,898	16,421	17,916	16,712	17,356	17,659	18,183	18,556	18,091
6	Passenger fares	20,557	4,768	4,769	6,104	4,916	4,976	5,109	5,087	4,952	5,237	5,282	5,319	5,308
7	Other transportation	27,216	6,436	6,788	6,763	7,229	6,873	7,124	6,555	6,805	6,716	7,142	6,999	7,139
8	Royalties and license fees [5]	29,974	7,120	7,170	7,410	8,273	7,389	7,753	7,432	7,345	7,495	7,703	7,699	7,935
9	Other private services [5]	73,569	18,900	17,082	18,464	19,124	20,789	19,293	17,890	18,130	18,433	19,117	19,759	20,392
10	U.S. Government miscellaneous services	893	289	187	210	207	203	190	289	187	210	207	203	190
11	Income receipts on U.S. assets abroad	206,400	49,622	50,346	51,190	55,243	55,663	58,728	49,277	50,188	51,893	55,043	55,269	58,595
12	Direct investment receipts	98,890	23,613	24,318	23,837	27,123	26,164	27,893	23,389	23,929	24,675	26,898	25,872	27,498
13	Other private receipts	102,866	24,643	25,053	25,938	27,232	28,544	30,096	24,643	25,053	25,938	27,232	28,544	30,096
14	U.S. Government receipts	4,644	1,366	975	1,415	888	955	739	1,245	1,206	1,280	913	853	1,001
15	**Imports of goods, services, and income**	**–1,163,450**	**–270,428**	**–289,195**	**–301,489**	**–302,337**	**–300,017**	**–322,944**	**–278,860**	**–289,231**	**–295,865**	**–299,493**	**–310,811**	**–322,688**
16	Goods, adjusted, excluding military [2]	–803,239	–187,729	–199,450	–205,518	–210,542	–204,876	–217,082	–192,973	–200,973	–203,257	–206,036	–212,314	–218,392
17	Services [3]	–156,634	–35,837	–40,128	–42,415	–38,253	–38,247	–43,393	–38,671	–38,953	–39,345	–39,664	–41,238	–42,147
18	Direct defense expenditures	–10,861	–2,607	–2,747	–2,780	–2,727	–2,753	–2,800	–2,607	–2,747	–2,780	–2,727	–2,753	–2,800
19	Travel	–48,739	–10,492	–13,236	–14,321	–10,690	–10,935	–14,309	–12,484	–12,099	–11,915	–12,241	–13,018	–13,093
20	Passenger fares	–15,776	–3,545	–4,188	–4,406	–3,637	–3,947	–4,567	–3,860	–3,943	–3,920	–4,053	–4,283	–4,314
21	Other transportation	–28,453	–6,648	–7,222	–7,380	–7,203	–7,191	–7,533	–6,816	–7,253	–7,218	–7,166	–7,378	–7,562
22	Royalties and license fees [5]	–7,322	–1,697	–1,606	–2,154	–1,865	–1,772	–1,892	–1,724	–1,684	–2,144	–1,770	–1,799	–1,992
23	Other private services [5]	–42,796	–10,190	–10,473	–10,682	–11,451	–10,962	–11,618	–10,522	–10,570	–10,676	–11,027	–11,321	–11,712
24	U.S. Government miscellaneous services	–2,687	–658	–657	–692	–680	–686	–674	–658	–657	–692	–680	–686	–674
25	Income payments on foreign assets in the United States	–203,577	–46,862	–49,616	–53,556	–53,542	–56,895	–62,469	–47,216	–49,305	–53,263	–53,793	–57,259	–62,149
26	Direct investment payments	–32,132	–6,488	–8,184	–9,905	–7,554	–8,175	–10,433	–6,842	–7,873	–9,612	–7,805	–8,539	–10,113
27	Other private payments	–100,103	–24,210	–24,600	–25,158	–26,135	–27,581	–29,242	–24,210	–24,600	–25,158	–26,135	–27,581	–29,242
28	U.S. Government payments	–71,342	–16,164	–16,832	–18,493	–19,853	–21,139	–22,794	–16,164	–16,832	–18,493	–19,853	–21,139	–22,794
29	**Unilateral transfers, net**	**–39,968**	**–10,438**	**–8,122**	**–9,103**	**–12,305**	**–8,604**	**–8,719**	**–10,406**	**–8,689**	**–8,947**	**–11,926**	**–8,682**	**–9,063**
30	U.S. Government grants [4]	–14,933	–4,321	–2,423	–2,690	–5,499	–2,109	–2,255	–4,321	–2,423	–2,690	–5,499	–2,109	–2,255
31	U.S. Government pensions and other transfers	–4,331	–955	–781	–1,188	–1,407	–795	–1,057	–1,136	–1,081	–1,064	–1,050	–1,083	–1,128
32	Private remittances and other transfers [6]	–20,704	–5,162	–4,918	–5,225	–5,399	–5,700	–5,407	–4,949	–5,185	–5,193	–5,377	–5,490	–5,680
33	**U.S. assets abroad, net (increase/capital outflow (–))**	**–352,444**	**–72,816**	**–51,161**	**–78,638**	**–149,829**	**–130,316**	**–97,395**	**–70,768**	**–49,698**	**–77,542**	**–154,436**	**–127,969**	**–95,492**
34	U.S. official reserve assets, net [7]	6,668	17	–523	7,489	–315	4,480	–236	17	–523	7,489	–315	4,480	–236
35	Gold	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Special drawing rights	370	–199	–133	848	–146	72	–133	–199	–133	848	–146	72	–133
37	Reserve position in the International Monetary Fund	–1,280	–849	–220	–183	–28	1,055	54	–849	–220	–183	–28	1,055	54
38	Foreign currencies	7,578	1,065	–170	6,824	–141	3,353	–157	1,065	–170	6,824	–141	3,353	–157
39	U.S. Government assets, other than official reserve assets, net	–690	–210	–358	162	–284	–21	–238	–210	–358	162	–284	–21	–238
40	U.S. credits and other long-term assets	–4,930	–1,076	–1,489	–1,127	–1,238	–1,107	–1,572	–1,076	–1,489	–1,127	–1,238	–1,107	–1,572
41	Repayments on U.S. credits and other long-term assets [8]	4,134	1,013	870	1,206	1,045	1,111	1,328	1,013	870	1,206	1,045	1,111	1,328
42	U.S. foreign currency holdings and U.S. short-term assets, net	106	–147	261	83	–91	–25	6	–147	261	83	–91	–25	6
43	U.S. private assets, net	–358,422	–72,623	–50,280	–86,289	–149,230	–134,775	–96,921	–70,575	–48,817	–85,193	–153,837	–132,428	–95,018
44	Direct investment	–87,813	–24,258	–25,097	–12,200	–26,258	–28,773	–30,984	–22,210	–23,634	–11,104	–30,865	–26,426	–29,081
45	Foreign securities	–108,189	–34,455	–20,328	–23,206	–30,200	–14,510	–21,325	–34,455	–20,328	–23,206	–30,200	–14,510	–21,325
46	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	–64,234	–15,778	–5,047	–17,294	–26,115	–29,466	–15,000	–15,778	–5,047	–17,294	–26,115	–29,466	–15,000
47	U.S. claims reported by U.S. banks, not included elsewhere	–98,186	1,868	192	–33,589	–66,657	–62,026	–29,612	1,868	192	–33,589	–66,657	–62,026	–29,612
48	**Foreign assets in the United States, net (increase/capital inflow (+))**	**547,555**	**88,018**	**106,568**	**159,231**	**193,738**	**181,978**	**152,097**	**88,233**	**106,114**	**158,629**	**194,579**	**182,238**	**151,649**
49	Foreign official assets in the United States, net	122,354	52,014	13,154	24,089	33,097	28,891	–3,719	52,014	13,154	24,089	33,097	28,891	–3,719
50	U.S. Government securities	115,634	55,652	–2,125	26,689	35,418	23,940	–7,800	55,652	–2,125	26,689	35,418	23,940	–7,800
51	U.S. Treasury securities [9]	111,253	55,600	–3,383	25,472	33,564	23,289	–8,444	55,600	–3,383	25,472	33,564	23,289	–8,444
52	Other [10]	4,381	52	1,258	1,217	1,854	651	644	52	1,258	1,217	1,854	651	644
53	Other U.S. Government liabilities [11]	720	–143	–204	907	160	478	804	–143	–204	907	160	478	804
54	U.S. liabilities reported by U.S. banks, not included elsewhere	4,722	–3,284	14,198	–1,922	–4,270	7,698	2,346	–3,284	14,198	–1,922	–4,270	7,698	2,346
55	Other foreign official assets [12]	1,278	–211	1,285	–1,585	1,789	–3,225	931	–211	1,285	–1,585	1,789	–3,225	931
56	Other foreign assets in the United States, net	425,201	36,004	93,414	135,142	160,641	153,087	155,816	36,219	92,960	134,540	161,482	153,347	155,368
57	Direct investment	76,955	15,662	17,894	26,579	16,820	30,381	29,320	15,877	17,440	25,977	17,661	30,641	28,872
58	U.S. Treasury securities and U.S. currency flows	172,878	10,602	36,152	50,798	75,326	51,289	50,816	10,602	36,152	50,798	75,326	51,289	50,816
59	U.S. securities other than U.S. Treasury securities	133,798	36,475	29,761	35,115	32,447	38,820	51,537	36,475	29,761	35,115	32,447	38,820	51,537
60	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	31,786	6,800	7,288	20,610	–2,912	15,210	–3,000	6,800	7,288	20,610	–2,912	15,210	–3,000
61	U.S. liabilities reported by U.S. banks, not included elsewhere	9,784	–33,535	2,319	2,040	38,960	17,387	27,143	–33,535	2,319	2,040	38,960	17,387	27,143
62	**Allocations of special drawing rights**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
63	**Statistical discrepancy (sum of above items with sign reversed)**	**–46,927**	**9,191**	**–19,755**	**–30,424**	**–5,938**	**–21,356**	**–15,359**	**15,419**	**–20,831**	**–38,254**	**–3,269**	**–14,297**	**–17,127**
63a	*Of which* seasonal adjustment discrepancy	.....	.....	.....	.....	.....	.....	.....	6,228	–1,076	–7,830	2,669	7,059	–1,768
	Memoranda:													
64	Balance on goods (lines 2 and 16)	–191,170	–36,287	–45,252	–59,848	–49,783	–42,064	–44,456	–42,925	–47,562	–52,493	–48,190	–49,787	–46,903
65	Balance on services (lines 3 and 17)	80,130	19,572	16,993	21,149	22,416	21,594	17,574	18,386	19,783	19,977	21,992	20,487	20,490
66	Balance on goods and services (lines 64 and 65)	–111,040	–16,715	–28,259	–38,699	–27,367	–20,470	–26,882	–24,539	–27,779	–32,516	–26,198	–29,300	–26,413
67	Balance on investment income (lines 11 and 25)	2,824	2,760	729	–2,367	1,701	–1,232	–3,741	2,061	883	–1,370	1,250	–1,990	–3,554
68	Balance on goods, services, and income (lines 1 and 15 or lines 66 and 67) [13]	–108,216	–13,955	–27,530	–41,066	–25,666	–21,702	–30,623	–22,478	–26,896	–33,886	–24,948	–31,290	–29,967
69	Unilateral transfers, net (line 29)	–39,968	–10,438	–8,122	–9,103	–12,305	–8,604	–8,719	–10,406	–8,689	–8,947	–11,926	–8,682	–9,063
70	Balance on current account (lines 1, 15, and 29 or lines 68 and 69) [13]	–148,184	–24,393	–35,652	–50,169	–37,971	–30,306	–39,342	–32,884	–35,585	–42,833	–36,874	–39,972	–39,030

See footnotes to table F.3.

Table F.3.—Selected U.S. International Transactions, by Area

[Millions of dollars]

Line	(Credits +; debits –) [1]	Western Europe			European Union [14]			United Kingdom			European Union (6) [15]		
		1996	1997		1996	1997		1996	1997		1996	1997	
		IV	I r	II p	IV	I r	II p	IV	I r	II p	IV	I r	II p
1	**Exports of goods, services, and income**	**80,959**	**82,285**	**86,035**	**72,927**	**74,107**	**76,624**	**21,359**	**23,784**	**24,207**	**39,566**	**38,711**	**40,737**
2	Goods, adjusted, excluding military [2]	35,621	38,645	39,903	32,732	35,089	35,178	6,992	9,554	9,335	20,404	20,391	20,808
3	Services [3]	21,287	19,651	21,010	18,779	17,350	18,648	5,575	5,347	5,602	9,635	8,859	9,666
4	Transfers under U.S. military agency sales contracts [4]	859	934	866	456	566	487	72	213	109	171	150	152
5	Travel	5,427	4,678	5,730	4,816	4,247	5,237	1,804	1,602	1,966	2,233	1,937	2,465
6	Passenger fares	1,621	1,448	1,658	1,518	1,375	1,572	441	358	363	822	821	967
7	Other transportation	2,062	1,942	2,035	1,614	1,557	1,610	397	458	447	691	687	709
8	Royalties and license fees [5]	4,441	3,711	3,777	4,231	3,542	3,602	842	625	629	2,538	2,162	2,196
9	Other private services [5]	6,840	6,896	6,907	6,113	6,026	6,108	2,008	2,079	2,077	3,165	3,086	3,163
10	U.S. Government miscellaneous services	37	42	37	31	37	33	11	12	11	15	15	14
11	Income receipts on U.S. assets abroad	24,051	23,990	25,122	21,416	21,668	22,798	8,793	8,883	9,270	9,527	9,462	10,263
12	Direct investment receipts	12,891	12,013	12,605	11,061	10,583	11,201	4,025	3,795	3,817	5,476	5,184	5,814
13	Other private receipts	10,956	11,695	12,348	10,178	10,843	11,452	4,740	5,088	5,453	3,914	4,137	4,317
14	U.S. Government receipts	204	282	169	177	242	145	28	.....	.....	137	141	132
15	**Imports of goods, services, and income**	**–82,791**	**–83,405**	**–94,694**	**–75,489**	**–75,539**	**–86,404**	**–27,662**	**–28,874**	**–31,903**	**–37,311**	**–36,856**	**–42,813**
16	Goods, adjusted, excluding military [2]	–41,720	–40,901	–44,995	–37,940	–37,268	–41,102	–7,743	–7,578	–7,940	–23,647	–23,637	–26,533
17	Services [3]	–14,829	–14,442	–18,280	–13,040	–12,697	–16,087	–4,297	–4,671	–5,464	–6,883	–6,567	–8,213
18	Direct defense expenditures	–1,769	–1,780	–1,800	–1,465	–1,415	–1,450	–79	–136	–100	–1,217	–1,168	–1,200
19	Travel	–3,254	–3,057	–5,675	–3,054	–2,871	–5,194	–1,040	–1,020	–1,467	–1,509	–1,554	–2,771
20	Passenger fares	–1,694	–1,752	–2,407	–1,526	–1,593	–2,163	–563	–631	–926	–690	–679	–853
21	Other transportation	–2,482	–2,456	–2,667	–1,932	–1,932	–2,047	–459	–565	–563	–960	–967	–980
22	Royalties and license fees [5]	–1,282	–1,213	–1,335	–1,083	–1,035	–1,136	–532	–511	–510	–483	–465	–561
23	Other private services [5]	–4,039	–3,890	–4,106	–3,710	–3,599	–3,849	–1,602	–1,785	–1,875	–1,823	–1,547	–1,665
24	U.S. Government miscellaneous services	–309	–293	–289	–269	–252	–248	–22	–23	–23	–201	–186	–183
25	Income payments on foreign assets in the United States	–26,242	–28,063	–31,420	–24,509	–25,574	–29,215	–15,622	–16,626	–18,498	–6,782	–6,652	–8,067
26	Direct investment payments	–5,809	–6,311	–8,184	–5,645	–5,521	–7,700	–2,635	–2,666	–3,329	–2,550	–2,344	–3,626
27	Other private payments	–12,863	–13,688	–14,404	–12,085	–12,762	–13,449	–9,180	–9,776	–10,305	–2,405	–2,429	–2,544
28	U.S. Government payments	–7,570	–8,064	–8,832	–6,779	–7,291	–8,066	–3,807	–4,184	–4,864	–1,827	–1,879	–1,897
29	**Unilateral transfers, net**	**–46**	**45**	**33**	**282**	**243**	**245**	**265**	**350**	**324**	**209**	**87**	**107**
30	U.S. Government grants [4]	–217	–102	–115	–24	–17	–4	.....	.....	.....	.....	.....	.....
31	U.S. Government pensions and other transfers	–326	–281	–325	–250	–249	–278	–44	–44	–46	–144	–144	–158
32	Private remittances and other transfers [6]	497	428	473	556	509	527	309	394	370	353	231	265
33	**U.S. assets abroad, net (increase/capital outflow (–))**	**–54,530**	**–83,486**	**–10,030**	**–46,360**	**–75,870**	**–8,117**	**–35,549**	**–34,277**	**–3,526**	**–10,768**	**–31,031**	**–3,946**
34	U.S. official reserve assets, net [7]	–109	–196	–139	–457	12	–227	.....	.....	.....	–457	12	–227
35	Gold	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Special drawing rights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Reserve position in the International Monetary Fund	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38	Foreign currencies	–109	–196	–139	–457	12	–227	.....	.....	.....	–457	12	–227
39	U.S. Government assets, other than official reserve assets, net	89	157	–25	48	141	–57	127	–5	–1	–35	–8	–8
40	U.S. credits and other long-term assets	–106	–86	–112	–59	–35	–51	.....	.....	.....	.....	.....	.....
41	Repayments on U.S. credits and other long-term assets [8]	223	255	95	140	188	4	125	.....	.....	.....	.....	.....
42	U.S. foreign currency holdings and U.S. short-term assets, net	–28	–12	–8	–33	–12	–10	2	–5	–1	–35	–8	–8
43	U.S. private assets, net	–54,510	–83,447	–9,866	–45,951	–76,023	–7,833	–35,676	–34,272	–3,525	–10,276	–31,035	–3,711
44	Direct investment	–16,224	–12,590	–15,829	–15,076	–11,023	–15,291	–11,666	–2,446	–7,742	–1,948	–6,631	–6,564
45	Foreign securities	–20,361	–3,366	3,996	–19,298	–2,135	3,620	–17,700	–2,013	1,219	–2,587	1,504	779
46	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	–10,063	–16,678	.....	–11,269	–16,590	.....	–6,996	–8,552	.....	–4,460	–7,145	.....
47	U.S. claims reported by U.S. banks, not included elsewhere	–7,862	–50,813	1,967	–308	–46,275	3,838	686	–21,261	2,998	–1,281	–18,763	2,074
48	**Foreign assets in the United States, net (increase/capital inflow (+))**	**77,314**	**111,398**	**94,619**	**73,962**	**103,122**	**92,311**	**65,058**	**80,358**	**41,621**	**6,598**	**11,978**	**46,146**
49	Foreign official assets in the United States, net	3,150	11,034	3,213	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
50	U.S. Government securities	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
51	U.S. Treasury securities [9]	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
52	Other [10]	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
53	Other U.S. Government liabilities [11]	310	73	221	150	94	158	7	–77	–33	53	76	64
54	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
55	Other foreign official assets [12]	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
56	Other foreign assets in the United States, net	74,164	100,364	91,406	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
57	Direct investment	11,840	26,390	23,710	9,871	24,223	21,271	8,385	13,684	4,252	2,863	10,138	15,883
58	U.S. Treasury securities and U.S. currency flows	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	U.S. securities other than U.S. Treasury securities	16,873	30,948	32,344	16,704	29,431	30,053	17,220	21,470	20,721	–1,243	6,003	7,756
60	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	1,500	12,825	.....	1,232	12,560	.....	1,329	11,576	.....	62	713	.....
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	[18] 46,005	[18] 36,814	[18] 40,829	[18] 38,117	[18] 33,705	[18] 16,681	[18] 4,863	[18] –4,952	[18] 22,443
62	**Allocations of special drawing rights**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
63	**Statistical discrepancy, and transfers of funds between foreign areas, net (sum of above items with sign reversed)**	**–20,906**	**–26,837**	**–75,962**	**–25,323**	**–26,062**	**–74,659**	**–23,472**	**–41,341**	**–30,724**	**1,706**	**17,111**	**–40,231**
	Memoranda:												
64	Balance on goods (lines 2 and 16)	–6,099	–2,256	–5,092	–5,208	–2,179	–5,924	–751	1,976	1,395	–3,243	–3,246	–5,725
65	Balance on services (lines 3 and 17)	6,458	5,209	2,730	5,739	4,653	2,561	1,278	677	138	2,752	2,292	1,453
66	Balance on goods and services (lines 64 and 65)	359	2,953	–2,362	531	2,474	–3,363	527	2,653	1,533	–491	–954	–4,272
67	Balance on investment income (lines 11 and 25)	–2,191	–4,073	–6,298	–3,093	–3,906	–6,417	–6,829	–7,743	–9,228	2,746	2,809	2,196
68	Balance on goods, services, and income (lines 1 and 15 or lines 66 and 67) [13]	–1,832	–1,120	–8,660	–2,562	–1,433	–9,780	–6,303	–5,090	–7,696	2,255	1,855	–2,076
69	Unilateral transfers, net (line 29)	–46	45	33	282	243	245	265	350	324	209	87	107
70	Balance on current account (lines 1, 15, and 29 or lines 68 and 69) [13]	–1,878	–1,075	–8,627	–2,280	–1,190	–9,535	–6,038	–4,740	–7,372	2,464	1,942	–1,969

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1. Credits, +: Exports of goods, services, and income; unilateral transfers to United States; capital inflows (increase in foreign assets (U.S. liabilities) or decrease in U.S. assets); decrease in U.S. official reserve assets; increase in foreign official assets in the United States.

Debits, –: Imports of goods, services, and income; unilateral transfers to foreigners; capital outflows (decrease in foreign assets (U.S. liabilities) or increase in U.S. assets); increase in U.S. official reserve assets; decrease in foreign offical assets in the United States.

2. Excludes exports of goods under U.S. military agency sales contracts identified in Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of Census statistics to balance of payments basis; see table 2 in "U.S. International Transactions, Second Quarter 1997" in the October 1997 issue of the SURVEY OF CURRENT BUSINESS.

3. Includes some goods: Mainly military equipment in line 4; major equipment, other materials, supplies, and petroleum products purchased abroad by U.S. military agencies in line 18; and fuels purchased by airline and steamship operators in lines 7 and 21.

4. Includes transfers of goods and services under U.S. military grant programs.

5. Beginning in 1982, these lines are presented on a gross basis. The definition of exports is revised to exclude U.S. parents' payments to foreign affiliates and to include U.S. affiliates' receipts from foreign parents. The definition of imports is revised to include U.S. parents' payments to foreign affiliates and to exclude U.S. affiliates' receipts from foreign parents.

6. Beginning in 1982, the "other transfers" component includes taxes paid by U.S. private residents to foreign governments and taxes paid by private nonresidents to the U.S. Government.

7. For all areas, amounts outstanding March 31, 1997, were as follows in millions of dollars: Line 34, 67,813; line 35, 11,050; line 36, 10,023; line 37, 13,805; line 38, 32,935.

Table F.3.—Selected U.S. International Transactions, by Area—Continued

[Millions of dollars]

Line	(Credits +; debits –) [1]	Eastern Europe			Canada			Latin America and Other Western Hemisphere			Japan		
		1996	1997		1996	1997		1996	1997		1996	1997	
		IV	I r	II p	IV	I r	II p	IV	I r	II p	IV	I r	II p
1	**Exports of goods, services, and income**	**3,199**	**3,108**	**3,416**	**44,070**	**47,188**	**49,229**	**51,614**	**51,153**	**55,221**	**27,407**	**28,710**	**28,370**
2	Goods, adjusted, excluding military [2]	2,004	1,811	2,116	34,674	36,823	38,901	30,000	29,516	32,454	16,181	16,448	16,639
3	Services [3]	899	881	860	4,754	5,448	5,318	9,173	8,905	8,823	8,856	9,753	9,196
4	Transfers under U.S. military agency sales contracts [4]	87	96	78	18	24	23	99	114	96	96	156	99
5	Travel	207	173	221	1,359	1,954	1,840	3,833	3,543	3,472	3,214	3,486	3,152
6	Passenger fares	35	20	21	327	327	307	1,028	979	961	1,380	1,743	1,561
7	Other transportation	148	99	108	732	726	774	897	849	926	846	774	829
8	Royalties and license fees [5]	38	42	44	365	343	354	396	362	386	1,406	1,445	1,590
9	Other private services [5]	373	442	378	1,936	2,056	2,004	2,887	3,019	2,949	1,886	2,135	1,953
10	U.S. Government miscellaneous services	11	9	10	17	17	16	33	39	33	28	14	12
11	Income receipts on U.S. assets abroad	296	416	440	4,642	4,917	5,010	12,441	12,732	13,944	2,370	2,509	2,536
12	Direct investment receipts	143	247	297	2,360	2,581	2,550	4,445	4,192	5,034	946	1,103	1,140
13	Other private receipts	89	100	107	2,282	2,336	2,460	7,842	8,401	8,843	1,418	1,399	1,384
14	U.S. Government receipts	64	69	36	.....	.....	.....	154	139	67	6	7	12
15	**Imports of goods, services, and income**	**–3,133**	**–2,792**	**–3,170**	**–46,150**	**–47,506**	**–50,064**	**–51,207**	**–51,733**	**–54,856**	**–41,364**	**–41,415**	**–41,768**
16	Goods, adjusted, excluding military [2]	–2,182	–1,864	–2,010	–40,678	–42,004	–43,410	–33,372	–32,831	–34,957	–30,012	–30,096	–29,347
17	Services [3]	–611	–580	–783	–3,143	–3,009	–3,754	–7,826	–8,081	–8,349	–3,567	–3,548	–3,756
18	Direct defense expenditures	–114	–79	–100	–11	–18	–15	–79	–85	–85	–267	–257	–275
19	Travel	–190	–212	–342	–756	–619	–1,237	–3,426	–3,713	–3,735	–783	–790	–875
20	Passenger fares	–49	–52	–99	–91	–82	–121	–611	–742	–630	–160	–190	–187
21	Other transportation	–97	–80	–78	–911	–925	–1,001	–522	–589	–640	–1,057	–982	–1,031
22	Royalties and license fees [5]	–4	–2	–2	–56	–59	–59	–26	–28	–34	–318	–326	–312
23	Other private services [5]	–147	–142	–150	–1,290	–1,275	–1,291	–3,057	–2,815	–3,117	–956	–978	–1,052
24	U.S. Government miscellaneous services	–10	–14	–13	–28	–32	–30	–106	–110	–109	–25	–24	–24
25	Income payments on foreign assets in the United States	–341	–348	–377	–2,329	–2,493	–2,900	–10,008	–10,821	–11,550	–7,786	–7,771	–8,665
26	Direct investment payments	(*)	–3	6	–578	–685	–972	–249	–351	–475	–1,325	–1,016	–1,332
27	Other private payments	–107	–99	–99	–1,189	–1,279	–1,378	–7,324	–7,668	–8,238	–1,526	–1,610	–1,733
28	U.S. Government payments	–234	–246	–283	–562	–529	–550	–2,435	–2,802	–2,837	–4,935	–5,145	–5,600
29	**Unilateral transfers, net**	**–737**	**–653**	**–653**	**–78**	**–102**	**–91**	**–2,685**	**–2,627**	**–2,681**	**–11**	**–66**	**–23**
30	U.S. Government grants [4]	–420	–292	–326	.....	.....	.....	–370	–276	–327	.....	.....	.....
31	U.S. Government pensions and other transfers	–9	–9	–9	–101	–101	–118	–185	–140	–157	–21	–22	–21
32	Private remittances and other transfers [6]	–308	–352	–318	23	–1	27	–2,130	–2,211	–2,197	10	–44	–2
33	**U.S. assets abroad, net (increase/capital outflow (–))**	**–835**	**–3,738**	**745**	**–13,065**	**–12,332**	**–6,383**	**–45,953**	**–13,440**	**–56,274**	**–8,701**	**–2,623**	**–11,555**
34	U.S. official reserve assets, net [7]	.....	.....	.....	.....	.....	.....	.....	3,500	.....	–32	49	–18
35	Gold	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Special drawing rights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Reserve position in the International Monetary Fund	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38	Foreign currencies	.....	.....	.....	.....	.....	.....	.....	3,500	.....	–32	49	–18
39	U.S. Government assets, other than official reserve assets, net	–118	11	–14	1	–1	.....	55	106	218	–12	8	2
40	U.S. credits and other long-term assets	–31	–28	–328	.....	.....	.....	–285	–270	–203	.....	.....	.....
41	Repayments on U.S. credits and other long-term assets [8]	9	27	314	.....	.....	.....	349	386	421	.....	.....	.....
42	U.S. foreign currency holdings and U.S. short-term assets, net	–96	12	.....	1	–1	.....	–9	–10	.....	–12	8	2
43	U.S. private assets, net	–717	–3,749	759	–13,066	–12,331	–6,383	–46,008	–17,046	–56,492	–8,657	–2,680	–11,539
44	Direct investment	–255	–748	–558	–2,342	–2,563	–2,800	–3,053	–4,657	–6,282	–148	–1,045	–890
45	Foreign securities	141	–85	–577	–3,581	2,300	–2,428	2,269	–6,992	–9,987	2,297	–3,258	–10,150
46	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	4	38	.....	–4,214	681	.....	–10,262	–13,884	–15,000	–181	155	.....
47	U.S. claims reported by U.S. banks, not included elsewhere	–607	–2,954	1,894	–2,929	–12,749	–1,155	–34,962	8,487	–25,223	–10,625	1,468	–499
48	**Foreign assets in the United States, net (increase/capital inflow (+))**	**4,777**	**1,180**	**4,600**	**9,235**	**3,906**	**5,729**	**66,402**	**7,023**	**29,243**	**13,627**	**26,740**	**25,922**
49	Foreign official assets in the United States, net	(18)	(18)	(18)	3	682	–1,430	(18)	(18)	(18)	(18)	(18)	(18)
50	U.S. Government securities	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
51	U.S. Treasury securities [9]	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
52	Other [10]	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
53	Other U.S. Government liabilities [11]	–1	–22	1	11	28	–10	–4	58	11	–134	–154	427
54	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
55	Other foreign official assets [12]	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
56	Other foreign assets in the United States, net	(18)	(18)	(18)	9,232	3,224	7,159	(18)	(18)	(18)	(18)	(18)	(18)
57	Direct investment	56	–217	78	3,800	2,034	1,611	–1,860	443	1,514	3,747	1,219	2,156
58	U.S. Treasury securities and U.S. currency flows	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
59	U.S. securities other than U.S. Treasury securities	–44	–33	99	2,384	2,924	977	7,902	192	8,735	4,069	999	7,402
60	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	49	33	.....	487	–1,038	.....	–5,291	2,469	–3,000	–449	–111	.....
61	U.S. liabilities reported by U.S. banks, not included elsewhere	[18] 4,717	[18] 1,419	[18] 4,422	(17)	(17)	(17)	[18] 65,655	[18] 3,861	[18] 21,983	[18] 6,394	[18] 24,787	[18] 15,937
62	**Allocations of special drawing rights**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
63	**Statistical discrepancy, and transfers of funds between foreign areas, net (sum of above items with sign reversed)**	**–3,271**	**2,896**	**–4,939**	**5,987**	**8,847**	**1,581**	**–18,172**	**9,623**	**29,348**	**9,043**	**–11,346**	**–946**
	Memoranda:												
64	Balance on goods (lines 2 and 16)	–178	–53	106	–6,004	–5,181	–4,509	–3,372	–3,315	–2,503	–13,831	–13,648	–12,708
65	Balance on services (lines 3 and 17)	288	301	77	1,611	2,439	1,564	1,347	824	474	5,289	6,206	5,439
66	Balance on goods and services (lines 64 and 65)	110	248	183	–4,393	–2,742	–2,945	–2,025	–2,491	–2,029	–8,542	–7,442	–7,269
67	Balance on investment income (lines 11 and 25)	–45	68	64	2,313	2,424	2,110	2,433	1,911	2,395	–5,416	–5,262	–6,129
68	Balance on goods, services, and income (lines 1 and 15 or lines 66 and 67) [13]	66	315	247	–2,080	–319	–836	408	–580	365	–13,958	–12,705	–13,398
69	Unilateral transfers, net (line 29)	–737	–653	–653	–78	–102	–91	–2,685	–2,627	–2,681	–11	–66	–23
70	Balance on current account (lines 1, 15, and 29 or lines 68 and 69) [13]	–672	–338	–407	–2,158	–421	–927	–2,277	–3,207	–2,316	–13,969	–12,771	–13,421

8. Includes sales of foreign obligations to foreigners.

9. Consists of bills, certificates, marketable bonds and notes, and nonmarketable convertible and nonconvertible bonds and notes.

10. Consists of U.S. Treasury and Export-Import Bank obligations, not included elsewhere, and of debt securities of U.S. Government corporations and agencies.

11. Includes, primarily, U.S. Government liabilities associated with military agency sales contracts and other transactions arranged with or through foreign official agencies; see table 4 in "U.S. International Transactions, Second Quarter 1997" in the October 1997 issue of the SURVEY OF CURRENT BUSINESS.

12. Consists of investments in U.S. corporate stocks and in debt securities of private corporations and State and local governments.

13. Conceptually, the sum of lines 70 and 62 is equal to "net foreign investment" in the national income and product accounts (NIPA's). However, the foreign transactions account in the NIPA's (a) includes adjustments to the international transactions accounts for the treatment of gold, (b) includes adjustments for the different geographical treatment of transactions with U.S. territories and Puerto Rico, and (c) includes services furnished without payment by financial pension plans except life insurance carriers and private noninsured pension plans. A reconciliation of the balance on goods and services from the international accounts and the NIPA net exports appears in Appendix A of this section of the SURVEY OF CURRENT BUSINESS. A reconciliation of the other foreign transactions in the two sets of accounts appears in table 4.5 of the full set of NIPA tables (published annually in the August issue of the SURVEY).

Table F.3.—Selected U.S. International Transactions, by Area—Continued

[Millions of dollars]

Line	(Credits +; debits –) [1]	Australia			Other countries in Asia and Africa			International organizations and unallocated [16]		
		1996	1997		1996	1997		1996	1997	
		IV	I r	II p	IV	I r	II p	IV	I r	II p
1	**Exports of goods, services, and income**	**5,568**	**5,319**	**5,997**	**59,243**	**56,128**	**59,550**	**4,611**	**4,424**	**4,502**
2	Goods, adjusted, excluding military [2]	2,915	2,823	3,080	39,364	36,746	39,533	...	...	...
3	Services [3]	1,226	1,122	1,267	13,048	12,623	13,075	1,427	1,458	1,420
4	Transfers under U.S. military agency sales contracts [4]	41	35	46	2,820	1,831	2,374	2	...	...
5	Travel	452	392	466	2,406	2,195	3,035	...	...	...
6	Passenger fares	112	100	128	413	359	473	...	...	...
7	Other transportation	80	72	79	2,342	2,230	2,219	122	181	154
8	Royalties and license fees [5]	160	141	161	1,039	962	1,041	428	382	400
9	Other private services [5]	379	379	385	3,949	4,967	3,853	874	895	865
10	U.S. Government miscellaneous services	2	3	3	79	79	79	...	...	...
11	Income receipts on U.S. assets abroad	1,428	1,374	1,650	6,831	6,760	6,943	3,184	2,966	3,082
12	Direct investment receipts	829	777	1,037	4,214	4,087	4,024	1,295	1,165	1,205
13	Other private receipts	599	597	613	2,303	2,357	2,598	1,743	1,659	1,743
14	U.S. Government receipts	...	...	...	314	316	321	146	142	134
15	**Imports of goods, services, and income**	**–2,092**	**–2,074**	**–2,004**	**–74,610**	**–70,072**	**–75,394**	**–991**	**–1,019**	**–993**
16	Goods, adjusted, excluding military [2]	–1,168	–1,159	–1,183	–61,410	–56,021	–61,180	...	...	...
17	Services [3]	–715	–743	–580	–6,964	–7,146	–7,242	–598	–697	–648
18	Direct defense expenditures	–17	–21	–20	–470	–513	–505	...	...	...
19	Travel	–283	–325	–177	–1,998	–2,219	–2,268	...	...	...
20	Passenger fares	–132	–157	–118	–900	–972	–1,005	...	...	...
21	Other transportation	–89	–61	–61	–1,849	–1,741	–1,758	–196	–357	–297
22	Royalties and license fees [5]	–12	–8	–8	–49	–22	–22	–119	–115	–121
23	Other private services [5]	–171	–155	–181	–1,508	–1,483	–1,492	–282	–225	–230
24	U.S. Government miscellaneous services	–11	–17	–16	–190	–196	–193	–1	...	...
25	Income payments on foreign assets in the United States	–209	–172	–241	–6,236	–6,905	–6,971	–392	–322	–345
26	Direct investment payments	–92	–65	–123	125	–176	222	373	432	426
27	Other private payments	–82	–88	–98	–2,347	–2,423	–2,548	–697	–726	–744
28	U.S. Government payments	–35	–19	–20	–4,014	–4,306	–4,645	–68	–28	–27
29	**Unilateral transfers, net**	**–21**	**–25**	**–21**	**–5,872**	**–3,061**	**–2,829**	**–2,855**	**–2,115**	**–2,454**
30	U.S. Government grants [4]	...	...	...	–4,279	–1,213	–1,216	–213	–226	–271
31	U.S. Government pensions and other transfers	–9	–9	–8	–109	–121	–122	–647	–112	–297
32	Private remittances and other transfers [6]	–12	–16	–13	–1,484	–1,727	–1,491	–1,995	–1,777	–1,886
33	**U.S. assets abroad, net (increase/capital outflow (–))**	**–4,887**	**–595**	**–1,378**	**–20,514**	**–16,737**	**–11,022**	**–1,345**	**2,636**	**–1,498**
34	U.S. official reserve assets, net [7]	...	...	...	...	...	...	–174	1,127	–79
35	Gold	...	...	...	...	...	...	...	...	...
36	Special drawing rights	...	...	...	...	...	...	–146	72	–133
37	Reserve position in the International Monetary Fund	...	...	...	...	...	...	–28	1,055	54
38	Foreign currencies	...	...	...	...	...	...	...	...	...
39	U.S. Government assets, other than official reserve assets, net	12	–1	...	102	32	–105	–413	–333	–314
40	U.S. credits and other long-term assets	...	...	...	–403	–390	–615	–413	–333	–314
41	Repayments on U.S. credits and other long-term assets [8]	...	...	...	464	443	498	...	...	...
42	U.S. foreign currency holdings and U.S. short-term assets, net	12	–1	...	41	–21	12	...	...	...
43	U.S. private assets, net	–4,899	–594	–1,378	–20,616	–16,769	–10,917	–758	1,842	–1,105
44	Direct investment	–628	–797	–524	–2,910	–5,445	–3,260	–699	–927	–841
45	Foreign securities	–2,786	–1,092	–47	–9,015	–3,665	–2,285	836	1,648	153
46	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	–48	142	...	–1,297	24	...	–54	56	...
47	U.S. claims reported by U.S. banks, not included elsewhere	–1,437	1,153	–807	–7,394	–7,683	–5,372	–841	1,065	–417
48	**Foreign assets in the United States, net (increase/capital inflow (+))**	**1,592**	**–921**	**1,991**	**14,309**	**31,640**	**–17,306**	**6,482**	**1,012**	**7,299**
49	Foreign official assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	–1	...	...
50	U.S. Government securities	(18)	(18)	(18)	(18)	(18)	(18)	...	...	...
51	U.S. Treasury securities [9]	(18)	(18)	(18)	(18)	(18)	(18)	...	...	...
52	Other [10]	(18)	(18)	(18)	(18)	(18)	(18)	...	...	...
53	Other U.S. Government liabilities [11]	–9	23	2	–12	472	152	–1	...	...
54	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(18)	(18)	(18)	...	...	...
55	Other foreign official assets [12]	(18)	(18)	(18)	(18)	(18)	(18)	...	...	...
56	Other foreign assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	6,483	1,012	7,299
57	Direct investment	777	469	217	–1,071	514	507	–469	–471	–473
58	U.S. Treasury securities and U.S. currency flows	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	U.S. securities other than U.S. Treasury securities	–206	272	325	1,494	3,509	1,680	–25	9	–25
60	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	245	128	...	491	880	...	56	24	...
61	U.S. liabilities reported by U.S. banks, not included elsewhere	[18] 785	[18] –1,813	[18] 1,447	[18] 13,407	[18] 26,265	[18] –19,645	[18] 6,921	[18] 1,450	[18] 7,797
62	**Allocations of special drawing rights**	...	...	...	...	...	...	...	...	...
63	**Statistical discrepancy, and transfers of funds between foreign areas, net (sum of above items with sign reversed)**	**–160**	**–1,703**	**–4,585**	**27,443**	**2,102**	**47,000**	**–5,903**	**–4,938**	**–6,855**
	Memoranda:									
64	Balance on goods (lines 2 and 16)	1,747	1,664	1,897	–22,046	–19,275	–21,647	...	...	...
65	Balance on services (lines 3 and 17)	511	378	687	6,084	5,477	5,832	828	761	771
66	Balance on goods and services (lines 64 and 65)	2,258	2,042	2,584	–15,962	–13,798	–15,815	828	761	771
67	Balance on investment income (lines 11 and 25)	1,219	1,202	1,409	596	–145	–29	2,792	2,644	2,738
68	Balance on goods, services, and income (lines 1 and 15 or lines 66 and 67) [13]	3,477	3,244	3,993	–15,367	–13,944	–15,844	3,621	3,406	3,509
69	Unilateral transfers, net (line 29)	–21	–25	–21	–5,872	–3,061	–2,829	–2,855	–2,115	–2,454
70	Balance on current account (lines 1, 15, and 29 or lines 68 and 69) [13]	3,456	3,219	3,972	–21,239	–17,005	–18,673	766	1,291	1,055

14. The "European Union" includes the "European Union (6)," United Kingdom, Denmark, Ireland, Greece, Spain, and Portugal. Beginning with the first quarter of 1995, the 'European Union' also includes Austria, Finland, and Sweden.

15. The "European Union (6)" includes Belgium, France, Germany (includes the former German Democratic Republic (East Germany) beginning in the fourth quarter of 1990), Italy, Luxembourg, Netherlands, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank.

16. Includes, as part of international and unallocated, the estimated direct investment in foreign affiliates engaged in international shipping, in operating oil and gas drilling equipment internationally, and in petroleum trading. Also includes taxes withheld; current-cost adjustments associated with U.S. and foreign direct investment; small transactions in business services that are not reported by country; and net U.S. currency flows, for which geographic source data are not available.

17. Details not shown separately; see totals in lines 49 and 56.

18. Details not shown separately are included in line 61.

NOTE.—The data in tables F.2 and F.3 are from tables 1 and 10 in "U.S. International Transactions, Second Quarter 1997" in the October 1997 issue of the SURVEY OF CURRENT BUSINESS, which presents the most recent estimates from the balance of payments accounts.

Table F.4.—Private Service Transactions

[Millions of dollars]

Line		1995	1996	Seasonally adjusted					
				1996				1997	
				I	II	III	IV	I r	II p
1	**Exports of private services**	**204,165**	**221,224**	**53,676**	**54,588**	**55,540**	**57,427**	**58,332**	**58,865**
2	Travel (table F.2, line 5)	63,395	69,908	16,712	17,356	17,659	18,183	18,556	18,091
3	Passenger fares (table F.2, line 6)	19,125	20,557	5,087	4,952	5,237	5,282	5,319	5,308
4	Other transportation (table F.2, line 7)	27,412	27,216	6,555	6,805	6,716	7,142	6,999	7,139
5	Freight	11,420	11,161	2,649	2,823	2,747	2,941	2,909	2,953
6	Port services	14,810	14,691	3,565	3,639	3,625	3,861	3,720	3,817
7	Other	1,184	1,364	340	342	343	339	370	369
8	Royalties and license fees (table F.2, line 8)	27,383	29,974	7,432	7,345	7,495	7,703	7,699	7,935
9	Affiliated,	21,670	23,760	5,927	5,814	5,929	6,091	6,033	6,228
10	U.S. parents' receipts	20,210	21,916	5,531	5,436	5,505	5,445	5,761	5,779
11	U.S. affiliates' receipts	1,460	1,844	396	378	424	646	272	449
12	Unaffiliated	5,713	6,214	1,505	1,531	1,566	1,612	1,666	1,707
13	Industrial processes [1]	3,583	3,979	956	978	1,006	1,040	1,080	1,109
14	Other [2]	2,131	2,235	549	554	560	573	587	598
15	Other private services (table F.2, line 9)	66,850	73,569	17,890	18,130	18,433	19,117	19,759	20,392
16	Affiliated services,	20,272	22,810	5,623	5,571	5,777	5,840	6,103	6,403
17	U.S. parents' receipts	12,795	13,763	3,494	3,429	3,410	3,431	3,622	3,719
18	U.S. affiliates' receipts	7,477	9,047	2,129	2,142	2,367	2,409	2,481	2,684
19	Unaffiliated services	46,578	50,759	12,267	12,559	12,656	13,277	13,656	13,989
20	Education	7,512	7,807	1,916	1,938	1,998	1,955	1,992	2,009
21	Financial services	7,029	8,034	1,847	1,938	1,925	2,325	2,259	2,329
22	Insurance, net	1,390	2,121	450	513	561	597	620	637
23	Premiums received	5,524	6,179	1,480	1,524	1,567	1,609	1,650	1,681
24	Losses paid	4,133	4,058	1,030	1,011	1,006	1,012	1,030	1,044
25	Telecommunications	3,183	3,405	863	854	838	850	845	849
26	Business, professional, and technical services	17,765	19,247	4,681	4,734	4,847	4,985	5,287	5,547
27	Other unaffiliated services [3]	9,699	10,145	2,510	2,583	2,486	2,565	2,654	2,618
28	**Imports of private services**	**134,523**	**143,086**	**35,406**	**35,549**	**35,873**	**36,257**	**37,800**	**38,673**
29	Travel (table F.2, line 19)	46,053	48,739	12,484	12,099	11,915	12,241	13,018	13,093
30	Passenger fares (table F.2, line 20)	14,433	15,776	3,860	3,943	3,920	4,053	4,283	4,314
31	Other transportation (table F.2, line 21)	28,249	28,453	6,816	7,253	7,218	7,166	7,378	7,562
32	Freight	16,759	16,879	4,025	4,414	4,312	4,130	4,318	4,650
33	Port services	10,579	10,792	2,598	2,647	2,709	2,838	2,845	2,706
34	Other	911	783	193	193	198	199	214	206
35	Royalties and license fees (table F.2, line 22)	6,503	7,322	1,724	1,684	2,144	1,770	1,799	1,992
36	Affiliated,	5,128	5,301	1,358	1,304	1,264	1,376	1,403	1,597
37	U.S. parents' payments	448	554	117	137	136	164	155	164
38	U.S. affiliates' payments	4,680	4,748	1,241	1,167	1,128	1,212	1,248	1,433
39	Unaffiliated	1,373	2,021	366	380	880	394	396	395
40	Industrial processes [1]	962	1,126	267	279	288	292	291	290
41	Other [2]	411	895	99	101	592	103	106	105
42	Other private services (table F.2, line 23)	39,285	42,796	10,522	10,570	10,676	11,027	11,321	11,712
43	Affiliated services,	13,597	16,026	3,877	3,945	4,073	4,130	4,222	4,284
44	U.S. parents' payments	6,820	7,505	1,914	1,788	1,935	1,867	1,973	2,034
45	U.S. affiliates' payments	6,777	8,521	1,963	2,157	2,138	2,263	2,249	2,250
46	Unaffiliated services	25,689	26,770	6,645	6,625	6,603	6,897	7,099	7,428
47	Education	949	1,041	253	256	262	269	275	278
48	Financial services	2,472	3,184	774	781	769	859	888	1,069
49	Insurance, net	5,383	4,387	1,188	1,089	1,047	1,064	1,139	1,195
50	Premiums paid	15,187	15,473	3,816	3,833	3,877	3,947	4,046	4,119
51	Losses recovered	9,804	11,086	2,629	2,745	2,830	2,884	2,907	2,924
52	Telecommunications	7,773	8,385	2,127	2,103	2,066	2,089	2,076	2,089
53	Business, professional, and technical services	4,691	5,253	1,234	1,278	1,335	1,406	1,540	1,612
54	Other unaffiliated services [3]	4,420	4,520	1,070	1,119	1,122	1,210	1,180	1,186
	Memoranda:								
55	Balance on goods (table F.2, line 64)	–173,560	–191,170	–42,925	–47,562	–52,493	–48,190	–49,787	–46,903
56	Balance on private services (line 1 minus line 28)	69,642	78,138	18,270	19,039	19,667	21,170	20,532	20,192
57	Balance on goods and private services (lines 55 and 56)	–103,918	–113,032	–24,655	–28,523	–32,826	–27,020	–29,255	–26,711

p Preliminary.
r Revised.
1. Patented techniques, processes, and formulas and other intangible property rights that are used in goods production.
2. Copyrights, trademarks, franchises, rights to broadcast live events, and other intangible property rights.
3. Other unaffiliated services receipts (exports) include mainly expenditures of foreign governments and international organizations in the United States. Payments (imports) include mainly wages of foreign residents temporarily employed in the United States and Canadian and Mexican commuters in U.S. border areas.

NOTE.—The data in this table are from table 3 in "U.S. International Transactions, Second Quarter 1997" in the October 1997 issue of the SURVEY OF CURRENT BUSINESS, which presents the most recent estimates from the balance of payments accounts.

G. Investment Tables

Table G.1.—International Investment Position of the United States at Yearend, 1995 and 1996

[Millions of dollars]

Line	Type of investment	Position 1995 r	Changes in position in 1996 (decrease (–))					Position 1996 p
			Attributable to:				Total	
			Capital flows	Valuation adjustments				
				Price changes	Exchange rate changes 1	Other changes 2		
			(a)	(b)	(c)	(d)	(a+b+c+d)	
	Net international investment position of the United States:							
1	**With direct investment positions at current cost (line 3 less line 24)**	**–687,702**	**–195,111**	**32,038**	**–22,195**	**2,446**	**–182,822**	**–870,524**
2	**With direct investment positions at market value (line 4 less line 25)**	**–637,480**	**–195,111**	**39,063**	**–46,339**	**8,564**	**–193,823**	**–831,303**
	U.S. assets abroad:							
3	**With direct investment positions at current cost (lines 5+10+15)**	**3,272,731**	**352,444**	**121,367**	**–21,849**	**–3,964**	**447,998**	**3,720,729**
4	**With direct investment positions at market value (lines 5+10+16)**	**3,700,432**	**352,444**	**267,858**	**–45,567**	**9,373**	**584,108**	**4,284,540**
5	U.S. official reserve assets	176,061	–6,668	–4,581	–4,073	.....	–15,322	160,739
6	Gold	101,279	.....	3 –4,581	.....	–4,581	96,698	
7	Special drawing rights	11,037	–370	.....	–355	.....	–725	10,312
8	Reserve position in the International Monetary Fund	14,649	1,280	.....	–494	.....	786	15,435
9	Foreign currencies	49,096	–7,578	.....	–3,224	.....	–10,802	38,294
10	U.S. Government assets, other than official reserve assets	81,897	690	.....	–34	1	657	82,554
11	U.S. credits and other long-term assets 4	79,958	796	.....	–1	1	796	80,754
12	Repayable in dollars	79,178	846	.....	.....	–12	834	80,012
13	Other 5	780	–50	.....	–1	13	–38	742
14	U.S. foreign currency holdings and U.S. short-term assets	1,939	–106	.....	–33	.....	–139	1,800
	U.S. private assets:							
15	With direct investment at current cost (lines 17+19+22+23)	3,014,773	358,422	125,948	–17,742	–3,965	462,663	3,477,436
16	With direct investment at market value (lines 18+19+22+23)	3,442,474	358,422	272,439	–41,460	9,372	598,773	4,041,247
	Direct investment abroad:							
17	At current cost	884,290	87,813	7,375	–4,726	–3,954	86,508	970,798
18	At market value	1,311,991	87,813	153,866	–28,444	9,383	222,618	1,534,609
19	Foreign securities	1,054,352	108,189	118,573	–7,675	.....	219,087	1,273,439
20	Bonds	355,284	49,403	806	–7,521	.....	42,688	397,972
21	Corporate stocks	699,068	58,786	117,767	–154	.....	176,399	875,467
22	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns.	307,982	64,234	.....	–3,161	.....	61,073	369,055
23	U.S. claims reported by U.S. banks, not included elsewhere	768,149	98,186	.....	–2,180	–11	95,995	864,144
	Foreign assets in the United States:							
24	**With direct investment at current cost (lines 26+33)**	**3,960,433**	**547,555**	**89,329**	**346**	**–6,410**	**630,820**	**4,591,253**
25	**With direct investment at market value (lines 26+34)**	**4,337,912**	**547,555**	**228,795**	**772**	**809**	**777,931**	**5,115,843**
26	Foreign official assets in the United States	678,451	122,354	4,345	.....	–1	126,698	805,149
27	U.S. Government securities	498,906	115,634	–4,333	.....	.....	111,301	610,207
28	U.S. Treasury securities	471,508	111,253	–3,802	.....	.....	107,451	578,959
29	Other	27,398	4,381	–531	.....	.....	3,850	31,248
30	Other U.S. Government liabilities 7	25,225	720	.....	.....	–1	719	25,944
31	U.S. liabilities reported by U.S. banks, not included elsewhere	107,394	4,722	.....	.....	.....	4,722	112,116
32	Other foreign official assets	46,926	1,278	8,678	.....	.....	9,956	56,882
	Other foreign assets:							
33	With direct investment at current cost (lines 35+37+38+39+42+43)	3,281,982	425,201	84,984	346	–6,409	504,122	3,786,104
34	With direct investment at market value (lines 36+37+38+39+42+43)	3,659,461	425,201	224,450	772	810	651,233	4,310,694
	Direct investment in the United States:							
35	At current cost	654,502	76,955	5,356	–426	–7,335	74,550	729,052
36	At market value	1,031,981	76,955	144,822	.....	–116	221,661	1,253,642
37	U.S. Treasury securities	389,383	155,578	–14,411	.....	.....	141,167	530,550
38	U.S.currency	192,300	17,300	.....	.....	.....	17,300	209,600
39	U.S. securities other than U.S. Treasury securities	999,537	133,798	94,039	–1,887	.....	225,950	1,225,487
40	Corporate and other bonds	534,116	121,194	721	–1,887	.....	120,028	654,144
41	Corporate stocks	465,421	12,604	93,318	.....	.....	105,922	571,343
42	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns.	232,891	31,786	.....	5,932	926	38,644	271,535
43	U.S. liabilities reported by U.S. banks, not included elsewhere	813,369	9,784	.....	–3,273	.....	6,511	819,880

p Preliminary.
r Revised.
1. Represents gains or losses on foreign-currency-denominated assets due to their revaluation at current exchange rates.
2. Includes changes in coverage, statistical discrepancies, and other adjustments to the value of assets.
3. Reflects changes in the value of the official gold stock due to fluctuations in the market price of gold.
4. Also includes paid-in capital subscriptions to international financial institutions and outstanding amounts of miscellaneous claims that have been settled through international agreements to be payable to the U.S. Government over periods in excess of 1 year. Excludes World War I debts that are not being serviced.
5. Includes indebtedness that the borrower may contractually, or at its option, repay with its currency, with a third country's currency, or by delivery of materials or transfer of services.
6. Primarily U.S. Government liabilities associated with military sales contracts and other transactions arranged with or through foreign official agencies.

NOTE.—The data in this table are from table 1 in "International Investment Position of the United States in 1996" in the July 1997 issue of the SURVEY OF CURRENT BUSINESS.

Table G.2.—U.S. Direct Investment Abroad: Selected Items, by Country and by Industry of Foreign Affiliate, 1994–96

[Millions of dollars]

	Direct investment position on a historical-cost basis			Capital outflows (inflows (–))			Income		
	1994	1995	1996	1994	1995	1996	1994	1995	1996
All countries, all industries	**640,320**	**717,554**	**796,494**	**68,272**	**85,115**	**85,560**	**68,597**	**87,448**	**95,067**
By country									
Canada	78,018	85,441	91,587	6,760	8,435	6,875	5,873	8,812	8,642
Europe	320,135	360,994	399,632	28,785	45,292	45,274	30,468	41,320	46,183
Of which:									
France	28,204	32,950	34,000	2,586	5,726	5,221	1,296	2,728	3,322
Germany	38,467	44,226	44,259	2,217	4,373	955	3,107	4,783	4,286
Netherlands	29,558	39,344	44,667	6,331	8,420	7,140	5,081	6,890	7,991
United Kingdom	121,321	122,767	142,560	7,177	4,515	18,310	8,082	11,384	13,862
Latin America and Other Western Hemisphere	115,093	128,252	144,209	19,010	14,753	14,299	16,299	15,221	17,404
Of which:									
Brazil	18,400	23,706	26,166	3,517	4,899	3,064	4,756	3,515	3,879
Mexico	16,169	15,980	18,747	3,674	2,955	2,747	2,497	1,369	2,931
Africa	5,606	6,383	7,568	332	873	1,221	1,395	1,861	1,963
Middle East	6,741	7,669	8,743	242	905	1,044	964	1,393	1,458
Asia and Pacific	111,373	125,834	140,402	13,121	15,241	14,752	13,474	18,542	18,937
Of which:									
Australia	20,217	25,003	28,769	32	6,450	3,789	2,392	3,402	2,979
Japan	36,524	38,406	39,593	2,384	1,079	1,817	2,379	4,117	3,950
International	3,355	2,981	4,352	22	–384	2,096	124	300	480
By industry									
Petroleum	67,104	70,229	75,749	1,690	2,437	6,144	7,177	9,730	11,960
Manufacturing	211,431	250,253	272,564	23,953	42,531	28,530	26,699	35,065	34,975
Food and kindred products	29,588	32,439	36,179	3,764	2,871	3,280	4,690	4,728	4,684
Chemicals and allied products	49,128	62,151	69,430	4,992	18,477	7,835	6,839	8,877	10,001
Primary and fabricated metals	10,017	12,032	13,603	819	1,935	5,009	896	1,365	1,004
Industrial machinery and equipment	26,781	33,716	35,020	2,010	5,286	2,016	2,177	4,373	4,579
Electronic and other electric equipment	19,925	25,242	29,519	2,867	4,995	4,513	3,234	4,494	4,374
Transportation equipment	29,420	33,972	33,543	5,993	4,636	714	3,539	3,952	3,429
Other manufacturing	46,572	50,701	55,270	3,508	4,330	5,163	5,324	7,277	6,903
Wholesale trade	62,608	67,222	72,462	6,325	8,511	7,048	7,753	9,191	9,272
Banking	26,693	28,123	32,504	1,786	714	1,329	3,785	2,889	3,767
Finance (except banking), insurance, and real estate	213,175	228,744	257,213	22,982	12,109	28,985	18,302	23,757	27,797
Services	26,734	32,769	36,673	5,613	7,702	3,644	2,796	3,815	3,997
Other industries	32,575	40,213	49,600	5,924	11,113	9,880	2,085	3,002	3,299

NOTE.—In this table, unlike in the international transactions accounts, income and capital outflows are shown without a current-cost adjustment, and income is shown net of withholding taxes. In addition, unlike in the international investment position, the direct investment position is valued at historical cost.

The data in this table are from tables 17 and 18 in "U.S. Direct Investment Abroad: Detail for Historical-Cost Position and Related Capital and Income Flows, 1996" in the September 1997 SURVEY OF CURRENT BUSINESS.

Table G.3.—Selected Financial and Operating Data for Nonbank Foreign Affiliates of U.S. Companies, by Country and by Industry of Affiliate, 1995

	Number of affiliates	Millions of dollars			Number of employees (thousands)
		Total assets	Sales	Net income	
All countries, all industries	**21,318**	**2,815,141**	**2,140,438**	**124,675**	**7,377.0**
By country					
Canada	2,023	246,242	231,081	8,313	918.1
Europe	10,435	1,567,904	1,176,126	63,083	3,014.5
Of which:					
France	1,226	135,906	124,457	4,303	413.9
Germany	1,358	219,538	234,169	6,467	596.3
Italy	757	59,468	68,550	2,315	198.7
Netherlands	999	139,078	112,182	11,492	138.8
Switzerland	505	132,464	60,128	7,203	50.6
United Kingdom	2,393	641,348	363,372	14,338	928.8
Latin America and Other Western Hemisphere	3,256	316,495	191,340	23,419	1,485.2
Of which:					
Brazil	400	48,477	44,536	5,073	299.9
Mexico	823	59,115	61,122	4,732	743.6
Africa	502	22,604	20,587	1,845	126.5
Middle East	338	30,231	21,703	2,899	73.4
Asia and Pacific	4,665	614,555	492,181	24,464	1,747.6
Of which:					
Australia	855	81,055	63,056	2,944	258.7
Japan	1,006	280,164	211,821	4,979	414.9
International	99	17,110	7,421	653	11.8
By industry					
Petroleum	1,520	272,087	428,030	13,981	230.9
Manufacturing	8,023	779,339	984,868	53,795	4,376.6
Food and kindred products	764	99,571	113,166	7,064	554.4
Chemicals and allied products	1,942	180,964	189,096	15,695	591.9
Primary and fabricated metals	722	35,266	36,862	1,227	195.7
Industrial machinery and equipment	1,033	112,921	159,205	7,611	529.4
Electronic and other electric equipment	855	71,483	95,395	6,443	846.0
Transportation equipment	469	124,721	218,333	4,406	697.6
Other manufacturing	2,238	154,413	172,811	11,348	961.5
Wholesale trade	4,878	206,015	367,515	15,124	538.3
Finance (except banking), insurance, and real estate	2,742	1,229,643	108,441	30,507	191.0
Services	2,671	114,995	100,035	4,050	779.8
Other industries	1,484	213,062	151,548	7,219	1,260.4

NOTE.—The data in this table are from "U.S. Multinational Companies: Operations in 1995" in the October 1997 SURVEY OF CURRENT BUSINESS.

Table G.4.—Foreign Direct Investment in the United States: Selected Items, by Country of Foreign Parent and by Industry of Affiliate, 1994–96

[Millions of dollars]

	Direct investment position on a historical-cost basis			Capital inflows (outflows (–))			Income		
	1994	1995	1996	1994	1995	1996	1994	1995	1996
All countries, all industries	**496,539**	**560,850**	**630,045**	**46,995**	**69,414**	**78,828**	**21,286**	**32,029**	**33,759**
By country									
Canada	41,959	48,258	53,845	4,960	7,080	5,670	2,996	3,911	3,285
Europe	303,649	357,193	410,425	28,002	55,300	59,809	16,059	22,975	25,806
Of which:									
France	33,603	38,480	49,307	3,881	4,500	10,928	–63	1,722	2,654
Germany	40,345	49,269	62,242	7,144	10,229	16,283	2,256	1,908	2,097
Netherlands	67,210	65,806	73,803	–3,174	–1,789	8,225	4,120	5,212	6,294
United Kingdom	104,867	126,177	142,607	8,076	20,446	18,929	7,232	11,006	9,220
Latin America and Other Western Hemisphere	26,070	25,240	24,627	4,767	–1,121	131	1,391	1,349	1,557
Of which:									
Brazil	629	751	591	–8	97	–99	88	91	34
Mexico	2,412	1,980	1,078	1,248	–470	–447	2	81	–8
Africa	1,230	1,164	717	44	–66	–440	–19	54	–113
Middle East	6,674	6,008	6,177	161	–298	555	54	209	141
Asia and Pacific	116,956	122,986	134,255	9,061	8,519	13,104	805	3,531	3,084
Of which:									
Australia	8,080	7,833	9,747	1,101	504	2,129	–268	112	–31
Japan	102,999	107,933	118,116	6,238	6,591	11,930	985	3,405	3,106
By industry									
Petroleum	32,290	33,888	42,343	1,665	3,152	8,113	1,902	2,970	4,190
Manufacturing	189,459	213,026	234,323	19,673	27,849	29,112	10,788	15,886	17,262
Food and kindred products	21,411	26,898	28,089	–1,375	5,596	2,439	2,134	1,709	1,780
Chemicals and allied products	66,028	71,367	74,810	10,820	11,306	6,880	4,643	6,202	6,247
Primary and fabricated metals	14,320	14,085	18,727	1,982	312	5,280	–216	1,273	1,060
Machinery	35,196	37,638	37,093	3,826	3,986	–35	1,165	2,316	1,739
Other manufacturing	52,504	63,037	75,604	4,419	6,648	14,548	3,063	4,386	6,436
Wholesale trade	63,792	66,393	77,937	5,785	6,453	9,799	2,611	3,863	3,548
Retail trade	11,857	12,743	15,008	1,532	1,207	2,140	399	544	496
Depository institutions	27,139	34,076	31,903	3,800	6,566	562	2,837	4,725	2,626
Finance, except depository institutions	41,000	62,369	70,185	3,652	16,681	7,775	831	697	714
Insurance	38,833	50,975	59,566	2,759	4,114	7,739	2,237	1,913	3,048
Real estate	31,613	29,704	30,118	259	–880	388	–680	–623	62
Services	37,045	32,887	38,945	2,303	1,946	8,618	–345	212	396
Other industries	23,511	24,788	29,716	5,570	2,326	4,583	705	1,841	1,418

NOTE.—In this table, unlike in the international transactions accounts, income and capital inflows are shown without a current-cost adjustment, and income is shown net of withholding taxes. In addition, unlike in the international investment position, the direct investment position is valued at historical cost.

The data in this table are from tables 16 and 17 in "Foreign Direct Investment in the United States: Detail for Historical-Cost Position and Related Capital and Income Flows, 1996" in the September 1997 SURVEY OF CURRENT BUSINESS.

Table G.5.—Selected Financial and Operating Data of Nonbank U.S. Affiliates of Foreign Companies, by Country of Ultimate Beneficial Owner and by Industry of Affiliate, 1995

	Number of affiliates	Millions of dollars				Thousands of employees	Millions of dollars	
		Total assets	Sales	Net income	Gross product		U.S. exports of goods shipped by affiliates	U.S. imports of goods shipped to affiliates
All countries, all industries	**12,497**	**2,383,612**	**1,561,879**	**15,608**	**326,955**	**4,928.3**	**136,702**	**254,895**
By country								
Canada	1,285	267,378	141,292	2,446	36,532	703.7	5,402	13,565
Europe	5,363	1,327,437	832,286	14,273	202,361	2,991.0	59,344	86,349
Of which:								
France	668	232,662	111,966	1,053	24,178	348.2	14,882	11,255
Germany	1,291	210,408	161,099	1,331	37,182	580.6	12,308	27,753
Netherlands	394	154,877	98,084	2,790	28,013	334.2	5,357	8,730
Switzerland	603	229,335	92,343	–137	18,624	308.3	6,398	7,847
United Kingdom	1,205	381,241	264,355	8,101	71,049	986.5	11,728	14,367
Latin America and Other Western Hemisphere	1,078	53,830	52,067	917	13,345	166.6	6,193	10,126
Of which:								
Brazil	75	8,661	3,903	89	213	4.3	866	1,310
Mexico	265	9,593	8,540	–20	1,798	35.6	661	2,182
Africa	68	(D)	10,495	345	2,393	20.8	551	723
Middle East	414	25,516	18,121	–198	4,861	46.6	641	4,628
Asia and Pacific	4,212	598,404	489,928	–5,027	62,558	954.6	63,933	138,425
Of which:								
Australia	172	37,003	22,209	–577	4,211	73.6	877	1,110
Japan	3,241	519,577	418,656	–3,621	52,000	758.2	55,519	119,942
United States	77	(D)	17,690	2,851	4,904	44.9	638	1,079
By industry								
Petroleum	240	104,358	131,889	2,419	30,525	105.7	9,956	19,522
Manufacturing	2,896	587,049	562,151	9,824	156,991	2,276.8	55,561	81,790
Food and kindred products	252	57,195	50,879	632	12,229	228.6	2,790	3,238
Chemicals and allied products	331	191,614	131,892	3,903	39,768	407.1	13,778	13,582
Primary and fabricated metals	396	55,979	70,086	1,547	17,804	246.9	3,988	8,018
Machinery	739	96,130	123,167	176	32,163	541.6	18,861	29,219
Other manufacturing	1,178	186,132	186,128	3,566	55,028	852.6	16,144	27,734
Wholesale trade	2,228	222,616	466,192	174	39,135	455.5	65,500	148,735
Retail trade	353	47,982	93,624	759	23,951	759.1	1,793	3,742
Finance, except depository institutions	874	568,216	45,074	1,392	2,910	45.3	18	25
Insurance	167	514,601	88,149	3,570	8,557	148.2	0	0
Real estate	3,494	96,852	14,184	–2,283	5,574	24.9	9	1
Services	1,250	110,674	59,264	–1,975	23,753	633.0	492	690
Other industries	995	131,264	101,352	1,729	35,561	479.9	3,372	389

D Suppressed to avoid disclosure of data of individual companies.

NOTE.—The data in this table are from tables A1 and A2 in *Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies, Preliminary 1995 Estimates.*

H. International Perspectives

Table H.1.—International Perspectives

	1995	1996	1996					1997								
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
	Exchange rates per U.S. dollar (not seasonally adjusted)															
Canada (Can.$/US$)	1.3725	1.3638	1.3722	1.3694	1.3508	1.3381	1.3622	1.3494	1.3556	1.3725	1.3942	1.3804	1.3843	1.3775	1.3872	1.3872
France (FFr/US$)	4.9864	5.1158	5.0636	5.1307	5.1652	5.1156	5.2427	5.4145	5.6536	5.7154	5.7672	5.7482	5.8293	6.0511	6.2010	6.0031
Germany (DM/US$)	1.4321	1.5049	1.4826	1.5080	1.5277	1.5118	1.5525	1.6047	1.6747	1.6946	1.7119	1.7048	1.7277	1.7939	1.8400	1.7862
Italy (L/US¢)	16.2945	15.4276	15.1662	15.2048	15.2382	15.1366	15.2844	15.6791	16.5500	16.9121	16.9452	16.8433	16.9454	17.4591	17.9712	17.4322
Japan (¥/US¢)	.9396	1.0878	1.0787	1.0993	1.1241	1.1230	1.1398	1.1791	1.2296	1.2277	1.2564	1.1919	1.1429	1.1538	1.1793	1.2089
Mexico (Peso/US$)	6.4467	7.6004	7.5143	7.5441	7.7345	7.9119	7.8769	7.8289	7.8023	7.9562	7.9059	7.9037	7.9498	7.8679	7.7818	7.7809
United Kingdom (US$/£)	1.5785	1.5607	1.5499	1.5593	1.5863	1.6623	1.6639	1.6585	1.6285	1.6096	1.6293	1.6322	1.6449	1.6694	1.6035	1.6013
Addendum:																
Exchange value of the U.S. dollar [1]	84.25	87.34	86.54	87.46	87.99	86.98	88.71	91.01	94.52	95.60	96.39	95.29	95.42	97.48	99.96	98.29
	Unemployment rates (percent, seasonally adjusted)															
Canada	9.6	9.7	9.5	10.0	10.0	10.0	9.7	9.7	9.7	9.3	9.6	9.5	9.1	9.0	9.0	9.0
France	11.6	12.3	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.5	12.5	12.5
Germany	9.4	10.4	10.4	10.5	10.6	10.8	10.9	11.2	11.2	11.2	11.2	11.4	11.4	11.5	11.6	11.7
Italy	12.0	12.1	12.1	...	...	12.0	...	...	12.2	...	...	12.4	...	...	12.1	...
Japan	3.1	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.3	3.6	3.5	3.4	3.4	3.4
Mexico	6.3	5.5	5.1	5.2	5.1	5.0	5.0	4.5	4.2	4.2	4.2	4.0	3.9	3.8	3.4	3.2
United Kingdom	8.2	7.5	7.5	7.4	7.2	6.9	6.7	6.5	6.2	6.1	5.9	5.8	5.7	5.5	5.3	5.2
Addendum:																
United States	5.6	5.4	5.2	5.2	5.2	5.3	5.3	5.4	5.3	5.2	4.9	4.8	5.0	4.8	4.9	4.9
	Consumer prices (seasonally adjusted, 1990=100)															
Canada	111.8	113.5	113.6	113.8	114.0	114.5	114.5	114.8	114.9	115.2	115.2	115.3	115.5	115.5	115.7	115.6
France	111.6	113.8	113.6	114.0	114.3	114.2	114.4	114.7	114.9	115.0	115.0	115.2	115.2	115.0	115.3	115.5
Germany (1991=100)	114.8	116.5	116.9	116.8	116.8	116.7	117.0	117.6	118.1	117.9	117.9	118.4	118.6	119.2	119.3	119.0
Italy	128.1	133.2	133.5	133.7	133.9	134.4	134.4	134.9	135.1	135.4	135.6	136.0	136.0	136.0	136.1	...
Japan	107.0	107.1	107.1	107.1	107.2	107.3	107.5	107.5	107.5	107.4	109.1	109.2	109.6	109.5	109.3	109.7
Mexico	224.5	301.7	309.3	314.2	318.2	323.0	333.3	341.9	347.6	352.0	355.8	359.0	362.2	365.3	368.6	373.2
United Kingdom	118.2	121.1	121.4	121.9	121.9	122.0	122.4	122.4	122.9	123.2	123.9	124.4	124.9	124.9	125.7	126.3
Addendum:																
United States	116.6	120.0	120.5	120.8	121.2	121.5	121.8	122.0	122.3	122.4	122.5	122.5	122.7	122.9	123.1	123.5
	Real gross domestic product (percent change from preceding quarter, seasonally adjusted at annual rates)															
Canada	2.3	1.5	3.3	...	...	2.9	...	...	3.7	...	...	4.9	...	...	...	...
France	2.1	1.5	3.4	...	...	1.0	...	...	1.3	...	...	4.1	...	...	...	...
Germany	1.9	1.4	2.2	...	...	.7	...	...	1.2	...	...	4.1	...	...	...	...
Italy	3.0	.6	2.9	...	...	–.6	...	...	–1.1	...	...	6.5	...	...	...	...
Japan	1.4	3.5	1.3	...	...	3.8	...	...	5.7	...	...	–11.2	...	...	...	...
Mexico	–6.2	5.1	7.4	...	...	6.0	...	...	3.3	...	...	19.4	...	...	...	...
United Kingdom	2.7	2.3	2.2	...	...	4.3	...	...	3.7	...	...	4.1	...	...	...	...
Addendum:																
United States	2.0	2.8	1.0	...	...	4.3	...	...	4.9	...	...	3.3	...	...	3.3	...

See footnotes at the end of the table.

Table H.1.—International Perspectives—Continued

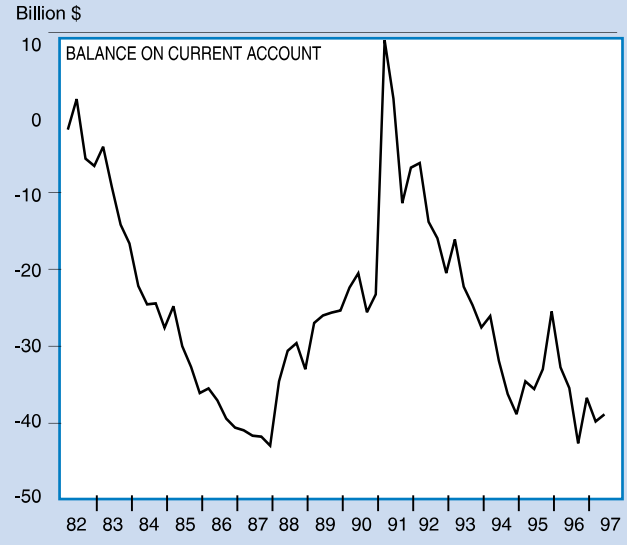
	1995	1996	1996					1997								
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
	Short-term, 3-month, interest rates (percent, not seasonally adjusted)															
Canada	7.07	4.43	4.24	4.06	3.49	3.00	3.08	3.11	3.10	3.20	3.41	3.29	3.22	3.51	3.63	3.60
France	6.58	3.94	3.96	3.75	3.51	3.47	3.44	3.35	3.33	3.36	3.40	3.48	3.43	3.39	3.43	3.41
Germany	4.53	3.31	3.29	3.12	3.12	3.19	3.23	3.14	3.19	3.26	3.23	3.17	3.14	3.14	3.26	3.31
Italy	10.46	8.82	8.81	8.44	8.02	7.41	7.25	7.23	7.36	7.43	7.13	6.83	6.88	6.89	6.87	6.66
Japan	1.23	.59	.64	.54	.52	.52	.52	.53	.55	.56	.56	.58	.61	.67	.59	.56
Mexico	48.24	32.91	29.16	27.79	27.68	28.94	26.51	24.60	21.96	22.32	22.37	20.59	21.40	19.40	20.15	20.51
United Kingdom	6.68	6.02	5.75	5.76	5.94	6.29	6.34	6.32	6.19	6.20	6.37	6.45	6.66	6.95	7.15	7.20
Addendum:																
United States	5.51	5.02	5.09	5.15	5.01	5.03	4.87	5.05	5.00	5.14	5.17	5.13	4.92	5.07	5.13	4.97
	Long-term interest rates, government bond yields (percent, not seasonally adjusted)															
Canada	8.36	7.54	7.57	7.64	7.00	6.48	6.81	6.99	6.74	6.92	7.09	6.90	6.63	6.30	6.30	6.19
France	7.66	6.51	6.62	6.20	6.11	5.79	5.82	5.69	5.39	5.80	5.93	5.96	5.67	5.50	5.65	5.55
Germany	6.80	6.10	6.20	6.10	5.90	5.80	5.70	5.70	5.40	5.60	5.70	5.60	5.60	5.40	5.50	5.50
Italy	11.79	8.85	8.92	8.62	7.78	7.15	6.95	6.76	6.93	7.55	7.37	7.02	6.82	6.38	6.53	6.10
Japan	3.21	2.98	2.96	2.81	2.51	2.44	2.57	2.38	2.40	2.27	2.36	2.55	2.37	2.12	2.01	1.88
Mexico	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
United Kingdom	8.25	8.10	8.16	8.16	7.87	7.80	7.70	7.74	7.38	7.62	7.76	7.23	7.17	6.96	7.01	6.79
Addendum:																
United States	6.57	6.44	6.64	6.83	6.53	6.20	6.30	6.58	6.42	6.69	6.89	6.71	6.49	6.22	6.30	6.21
	Share price indices (not seasonally adjusted, 1990=100)															
Canada	130.0	154.0	150.0	155.0	164.0	176.0	173.0	179.0	180.0	171.0	175.0	187.0	188.0	201.0	193.0	206.0
France	103.0	118.0	114.0	116.0	121.0	125.0	128.0	135.0	145.0	148.0	145.0	149.0	151.0	161.0	161.0	160.0
Germany	102.4	115.6	115.0	116.7	120.3	121.9	124.9	130.0	138.9	145.8	145.7	154.4	160.2	174.8	176.4	170.2
Italy	95.0	96.0	93.0	92.0	96.0	99.0	100.0	114.0	119.0	114.0	116.0	119.0	123.0	138.0	139.0	145.0
Japan	63.0	74.0	73.0	72.0	73.0	72.0	69.0	63.0	64.0	63.0	63.0	68.0	70.0	70.0	68.0	65.0
Mexico	389.3	554.8	579.8	567.6	563.6	577.3	589.5	639.7	673.7	657.4	658.9	696.1	781.9	888.9	815.3	933.4
United Kingdom	147.0	167.0	167.0	170.0	173.0	170.0	171.0	176.0	179.0	182.0	179.0	185.0	186.0	190.0	194.0	198.0
Addendum:																
United States	159.0	195.0	193.0	197.0	204.0	212.0	213.0	220.0	228.0	227.0	219.0	236.0	249.0	262.0	262.0	267.0

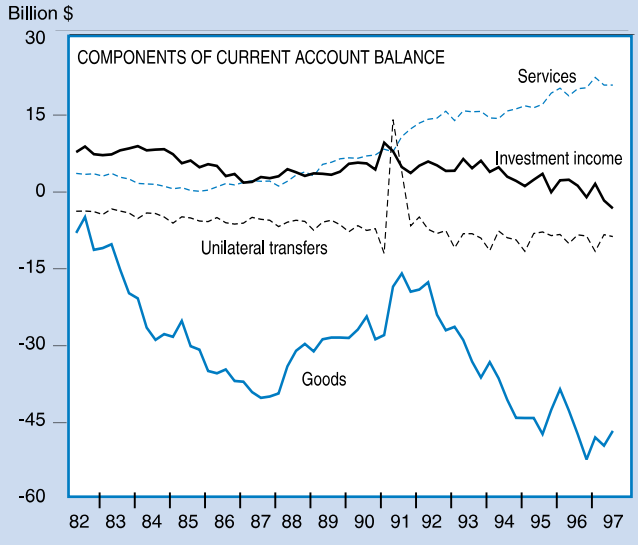
1. Index of weighted average exchange value of U.S. dollar against currencies of other G-10 countries. March 1973=100. Weights are 1972–76 global trade of each of the 10 countries. Series revised as of August 1978. For description and back data, see: ''Index of the weighted-average exchange value of the U.S. dollar: Revision'' on page 700 of the August 1978 *Federal Reserve Bulletin.*

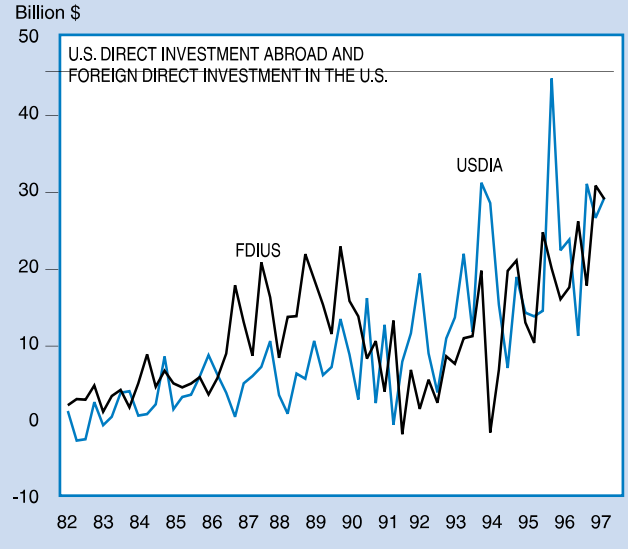
NOTE.—All exchange rates are from the Board of Governors of the Federal Reserve System. U.S. interest rates, unemployment rates, and GDP growth rates are from the Federal Reserve, the Bureau of Labor Statistics, and BEA, respectively. All other data (including U.S. consumer prices and U.S. share prices, both of which have been rebased to 1990 to facilitate comparison) are © OECD, October 1997, *OECD Main Economic Indicators* and are reproduced with permission of the OECD.

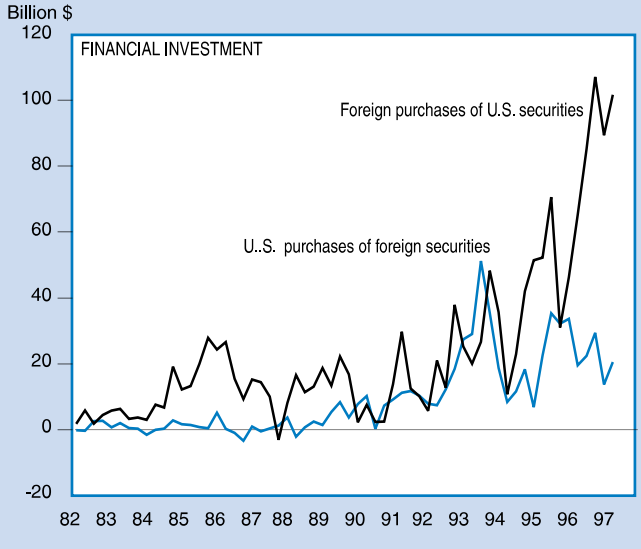
I. Charts

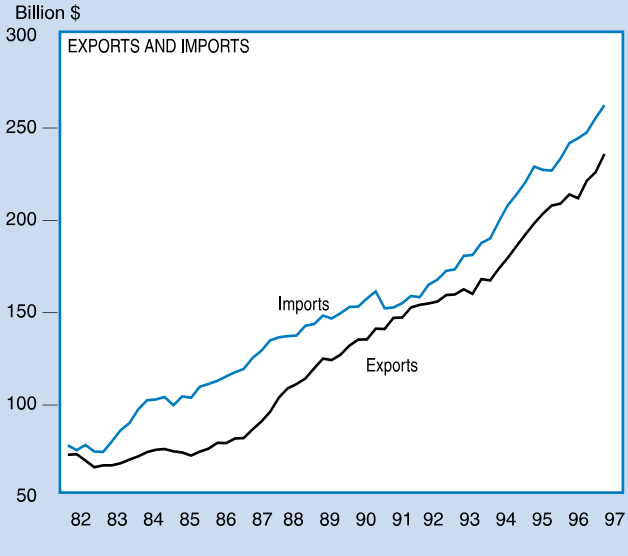
THE U.S. IN THE INTERNATIONAL ECONOMY

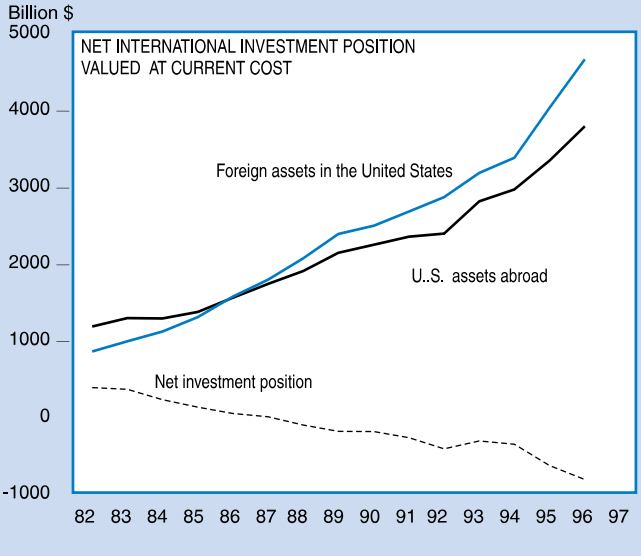












U.S. Department of Commerce, Bureau of Economic Analysis

Regional Data

J. State and Regional Tables

The tables in this section include the most recent estimates of State personal income and gross state product. The sources of these estimates are noted.

The quarterly and annual State personal income estimates and the gross state product estimates are available on diskettes or CD-ROM. For information on personal income, e-mail **reis.remd@bea.doc.gov**; write to the Regional Economic Information System, BE–55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230; or call 202–606–5360. For information on gross state product, e-mail **gspread@bea.doc.gov**; write to the Regional Economic Analysis Division, BE–61, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230; or call 202–606–5340.

Table J.1.—Personal Income and Nonfarm Personal Income for States and Regions

Area name	Personal income								Nonfarm personal income [1]							
	Millions of dollars						Percent change [2]		Millions of dollars						Percent change [2]	
	1995	1996	1996		1997		1996:IV-1997:I	1997:I-1997:II	1995	1996	1996		1997		1996:IV-1997:I	1997:I-1997:II
			III	IV	I	II					III	IV	I	II		
United States	**6,137,875**	**6,479,914**	**6,526,017**	**6,602,689**	**6,730,234**	**6,813,131**	**1.9**	**1.2**	**6,103,443**	**6,433,265**	**6,476,984**	**6,553,152**	**6,680,685**	**6,760,004**	**1.9**	**1.2**
New England	**368,398**	**387,042**	**388,521**	**394,993**	**403,147**	**408,517**	**2.1**	**1.3**	**367,830**	**386,389**	**387,823**	**394,302**	**402,496**	**407,790**	**2.1**	**1.3**
Connecticut	105,778	110,916	111,178	112,912	116,025	117,084	2.8	.9	105,608	110,730	110,977	112,709	115,850	116,879	2.8	.9
Maine	24,966	26,124	26,251	26,669	27,066	27,373	1.5	1.1	24,885	26,015	26,139	26,559	26,954	27,257	1.5	1.1
Massachusetts	172,008	181,505	182,334	185,678	189,315	192,335	2.0	1.6	171,864	181,352	182,171	185,515	189,162	192,162	2.0	1.6
New Hampshire	29,510	30,939	31,109	31,584	31,986	32,509	1.3	1.6	29,468	30,894	31,062	31,537	31,939	32,458	1.3	1.6
Rhode Island	23,541	24,331	24,341	24,743	25,111	25,371	1.5	1.0	23,506	24,302	24,310	24,712	25,079	25,335	1.5	1.0
Vermont	12,595	13,227	13,307	13,407	13,644	13,845	1.8	1.5	12,499	13,097	13,164	13,270	13,511	13,698	1.8	1.4
Mideast	**1,200,373**	**1,258,684**	**1,264,426**	**1,280,913**	**1,304,164**	**1,317,041**	**1.8**	**1.0**	**1,198,886**	**1,256,536**	**1,262,188**	**1,278,616**	**1,301,926**	**1,314,692**	**1.8**	**1.0**
Delaware	18,757	20,095	20,252	20,735	20,809	21,240	.4	2.1	18,669	19,976	20,129	20,595	20,670	21,103	.4	2.1
District of Columbia	18,021	18,539	18,629	18,787	19,011	19,086	1.2	.4	18,021	18,539	18,629	18,787	19,011	19,086	1.2	.4
Maryland	133,769	140,068	140,748	142,657	145,502	147,033	2.0	1.1	133,576	139,750	140,410	142,311	145,157	146,680	2.0	1.0
New Jersey	239,052	250,295	251,460	254,430	259,310	261,436	1.9	.8	238,800	250,033	251,186	254,144	259,032	261,141	1.9	.8
New York	505,812	530,655	532,396	540,159	550,884	556,314	2.0	1.0	505,424	530,113	531,843	539,608	550,329	555,744	2.0	1.0
Pennsylvania	284,963	299,031	300,941	304,145	308,649	311,931	1.5	1.1	284,396	298,124	299,990	303,171	307,726	310,939	1.5	1.0
Great Lakes	**1,022,736**	**1,071,792**	**1,080,212**	**1,088,807**	**1,107,534**	**1,120,394**	**1.7**	**1.2**	**1,020,239**	**1,067,296**	**1,075,483**	**1,084,008**	**1,102,662**	**1,115,529**	**1.7**	**1.2**
Illinois	301,718	318,061	320,221	323,827	329,850	334,400	1.9	1.4	301,300	316,357	318,444	321,971	327,876	332,586	1.8	1.4
Indiana	125,805	132,001	133,113	134,643	136,275	137,988	1.2	1.3	125,504	131,105	132,162	133,730	135,346	137,019	1.2	1.2
Michigan	229,544	239,330	241,129	242,326	246,708	248,911	1.8	.9	228,856	238,872	240,650	241,835	246,210	248,389	1.8	.9
Ohio	251,041	262,077	264,418	265,610	270,413	272,994	1.8	1.0	250,221	261,128	263,411	264,609	269,479	272,000	1.8	.9
Wisconsin	114,628	120,325	121,331	122,402	124,288	126,100	1.5	1.5	114,358	119,834	120,816	121,862	123,751	125,535	1.5	1.4
Plains	**404,044**	**432,418**	**436,027**	**440,502**	**446,979**	**452,802**	**1.5**	**1.3**	**399,233**	**421,676**	**424,782**	**428,965**	**435,259**	**440,621**	**1.5**	**1.2**
Iowa	59,143	63,613	64,071	64,608	65,628	66,542	1.6	1.4	57,653	60,568	60,911	61,393	62,213	63,158	1.3	1.5
Kansas	56,218	59,585	59,992	60,546	61,481	62,199	1.5	1.2	55,514	58,467	58,829	59,347	60,296	60,966	1.6	1.1
Minnesota	111,031	119,530	120,959	122,079	122,606	124,582	.4	1.6	110,347	117,735	119,032	120,228	120,765	122,559	.4	1.5
Missouri	116,752	123,366	124,035	125,633	128,420	129,909	2.2	1.2	116,681	122,555	123,197	124,799	127,582	129,023	2.2	1.1
Nebraska	35,055	37,862	38,117	38,681	39,561	39,840	2.3	.7	33,763	35,704	35,943	36,220	37,101	37,285	2.4	.5
North Dakota	11,865	13,159	13,347	13,338	13,503	13,695	1.2	1.4	11,744	12,395	12,512	12,550	12,700	12,864	1.2	1.3
South Dakota	13,981	15,303	15,505	15,617	15,780	16,035	1.0	1.6	13,530	14,252	14,359	14,427	14,601	14,765	1.2	1.1
Southeast	**1,339,811**	**1,416,289**	**1,427,939**	**1,443,187**	**1,473,278**	**1,492,349**	**2.1**	**1.3**	**1,328,685**	**1,403,090**	**1,413,833**	**1,429,179**	**1,459,077**	**1,476,567**	**2.1**	**1.2**
Alabama	82,067	86,021	86,740	87,568	89,017	89,877	1.7	1.0	81,338	85,135	85,808	86,605	87,963	88,835	1.6	1.0
Arkansas	45,039	47,584	48,005	48,436	49,006	50,124	1.2	2.3	43,635	45,737	46,084	46,402	47,076	47,704	1.5	1.3
Florida	328,067	348,849	351,320	355,118	362,659	368,286	2.1	1.6	326,103	347,076	349,488	353,278	360,805	366,165	2.1	1.5
Georgia	157,875	168,959	170,891	172,857	176,972	179,521	2.4	1.4	156,100	167,007	168,819	170,657	174,833	177,269	2.4	1.4
Kentucky	72,739	76,885	77,707	78,235	79,910	80,940	2.1	1.3	72,071	75,800	76,350	77,212	78,816	79,675	2.1	1.1
Louisiana	82,252	85,548	86,111	86,892	88,472	89,159	1.8	.8	81,763	84,907	85,377	86,257	87,836	88,471	1.8	.7
Mississippi	45,147	47,735	48,188	48,402	49,258	49,795	1.8	1.1	44,651	46,892	47,274	47,516	48,353	48,811	1.8	.9
North Carolina	152,601	162,602	163,920	166,616	170,636	172,915	2.4	1.3	150,054	159,632	160,815	163,449	167,322	169,267	2.4	1.2
South Carolina	70,208	73,890	74,607	75,377	76,822	77,859	1.9	1.3	69,878	73,465	74,165	74,929	76,358	77,390	1.9	1.4
Tennessee	111,674	116,760	117,626	118,806	121,399	122,963	2.2	1.3	111,425	116,449	117,311	118,492	121,088	122,617	2.2	1.3
Virginia	160,141	168,300	169,444	171,277	175,261	176,702	2.3	.8	159,680	167,821	168,949	170,768	174,751	176,151	2.3	.8
West Virginia	32,001	33,155	33,381	33,603	33,867	34,209	.8	1.0	31,988	33,169	33,391	33,612	33,874	34,211	.8	1.0
Southwest	**580,326**	**617,538**	**623,327**	**630,151**	**645,319**	**653,841**	**2.4**	**1.3**	**576,749**	**614,166**	**619,858**	**626,743**	**641,886**	**650,142**	**2.4**	**1.3**
Arizona	87,518	94,596	95,623	96,709	99,120	101,217	2.5	2.1	86,831	93,908	94,873	96,005	98,393	100,384	2.5	2.0
New Mexico	30,781	32,217	32,367	32,526	33,300	33,596	2.4	.9	30,445	31,865	31,992	32,156	32,911	33,155	2.3	.7
Oklahoma	61,343	64,514	65,003	65,541	66,982	67,304	2.2	.5	60,992	64,154	64,644	65,184	66,620	66,921	2.2	.5
Texas	400,683	426,212	430,334	435,376	445,917	451,724	2.4	1.3	398,481	424,239	428,349	433,397	443,963	449,682	2.4	1.3
Rocky Mountain	**176,490**	**188,316**	**190,154**	**192,566**	**196,424**	**198,677**	**2.0**	**1.1**	**174,679**	**186,417**	**188,195**	**190,582**	**194,514**	**196,609**	**2.1**	**1.1**
Colorado	91,766	98,258	99,191	100,578	102,492	103,657	1.9	1.1	91,203	97,614	98,520	99,909	101,839	102,938	1.9	1.1
Idaho	22,368	23,591	23,795	23,877	24,354	24,732	2.0	1.6	21,695	22,824	22,999	23,084	23,620	23,944	2.3	1.4
Montana	16,157	16,896	17,017	17,213	17,292	17,533	.5	1.4	15,831	16,650	16,773	16,947	17,023	17,241	.5	1.3
Utah	36,166	39,199	39,697	40,397	41,505	41,915	2.7	1.0	35,998	39,018	39,508	40,210	41,321	41,718	2.8	1.0
Wyoming	10,035	10,371	10,453	10,501	10,781	10,841	2.7	.6	9,951	10,310	10,394	10,433	10,711	10,768	2.7	.5
Far West	**1,045,697**	**1,107,835**	**1,115,412**	**1,131,570**	**1,153,389**	**1,169,511**	**1.9**	**1.4**	**1,037,142**	**1,097,695**	**1,104,822**	**1,120,756**	**1,142,865**	**1,158,054**	**2.0**	**1.3**
Alaska	14,563	14,810	14,826	14,894	15,047	15,257	1.0	1.4	14,553	14,801	14,817	14,885	15,038	15,248	1.0	1.4
California	764,435	807,975	812,716	825,321	839,867	851,850	1.8	1.4	757,869	800,556	804,963	817,380	832,138	843,382	1.8	1.4
Hawaii	29,593	30,072	30,150	30,169	30,549	30,694	1.3	.5	29,405	29,888	29,966	29,984	30,362	30,505	1.3	.5
Nevada	37,951	41,699	42,207	43,050	44,029	44,950	2.3	2.1	37,900	41,647	42,151	42,996	43,976	44,895	2.3	2.1
Oregon	68,806	73,922	74,683	75,735	77,511	78,279	2.3	1.0	68,282	73,180	73,920	74,951	76,732	77,461	2.4	.9
Washington	130,350	139,356	140,830	142,401	146,386	148,481	2.8	1.4	129,132	137,623	139,004	140,560	144,619	146,565	2.9	1.3

1. Nonfarm personal income is personal income less farm earnings. Farm earnings consists of proprietors' net income; the cash wages, pay-in-kind, and other labor income of farm employees; and the salaries of officers of corporate farms.

2. Percent changes are expressed at quarterly rates and are calculated from seasonally-adjusted unrounded data.

NOTE.—The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

Source: Tables 1 and 5 in "State Personal Income, Revised Estimates for 1958-96" in the October 1997 SURVEY OF CURRENT BUSINESS and tables 1 and 2 in "Personal Income by State and Region, Second Quarter 1997" in the November 1997 SURVEY.

Table J.2.—Percent of Personal Income for Selected Components for States and Regions

Area name	Personal income			Percent of personal income								
	Millions of dollars			Net earnings by place of residence [1]			Dividends, interest, and rent			Transfer payments		
	1969	1980	1996	1969	1980	1996	1969	1980	1996	1969	1980	1996
United States	**772,952**	**2,286,358**	**6,479,914**	**76.8**	**69.9**	**65.4**	**14.1**	**16.0**	**18.1**	**9.1**	**14.1**	**16.5**
New England	**49,668**	**132,440**	**387,042**	**74.2**	**69.0**	**65.5**	**16.6**	**16.9**	**19.2**	**9.2**	**14.1**	**15.3**
Connecticut	14,564	38,361	110,916	75.5	70.8	66.8	17.4	18.4	19.9	7.1	10.8	13.4
Maine	3,122	9,356	26,124	74.4	66.8	61.4	14.2	15.1	18.3	11.3	18.1	20.3
Massachusetts	24,178	61,945	181,505	73.1	68.5	65.6	16.9	16.3	19.0	10.0	15.2	15.4
New Hampshire	2,733	9,166	30,939	76.3	71.4	67.5	15.1	16.3	19.4	8.5	12.3	13.1
Rhode Island	3,590	9,189	24,331	74.6	66.2	61.7	14.6	16.3	18.2	10.8	17.5	20.1
Vermont	1,481	4,423	13,227	74.6	67.5	63.4	14.9	17.1	20.9	10.5	15.5	15.7
Mideast	**182,568**	**460,339**	**1,258,684**	**75.4**	**68.5**	**63.8**	**15.2**	**16.2**	**18.7**	**9.4**	**15.3**	**17.5**
Delaware	2,400	6,315	20,095	76.4	72.6	66.1	17.3	15.0	19.6	6.3	12.5	14.3
District of Columbia	3,473	7,922	18,539	74.3	63.5	61.8	13.7	14.0	17.5	12.0	22.5	20.7
Maryland	16,187	46,192	140,068	80.0	72.2	66.8	12.5	14.8	18.1	7.5	13.0	15.0
New Jersey	32,201	86,872	250,295	77.6	70.8	66.3	14.8	16.8	20.3	7.6	12.4	13.5
New York	83,489	193,986	530,655	72.8	66.6	62.6	16.9	17.3	18.3	10.3	16.1	19.1
Pennsylvania	44,816	119,050	299,031	76.9	68.6	62.6	13.3	14.9	18.4	9.8	16.5	19.0
Great Lakes	**160,631**	**426,065**	**1,071,792**	**78.9**	**70.8**	**66.7**	**13.3**	**15.3**	**17.7**	**7.7**	**13.9**	**15.5**
Illinois	48,262	126,025	318,061	78.2	70.6	66.7	14.4	16.6	19.1	7.5	12.7	14.2
Indiana	19,035	51,230	132,001	81.0	72.0	68.9	11.7	15.2	16.2	7.3	12.8	14.9
Michigan	35,848	95,312	239,330	79.7	70.7	67.0	12.6	14.0	17.5	7.7	15.4	15.4
Ohio	41,297	106,854	262,077	79.0	70.9	65.4	13.1	14.7	16.9	7.9	14.4	17.7
Wisconsin	16,190	46,644	120,325	77.0	70.2	66.9	14.0	15.5	18.1	8.9	14.3	15.0
Plains	**57,805**	**163,679**	**432,418**	**76.6**	**68.4**	**66.0**	**14.2**	**18.0**	**18.5**	**9.2**	**13.6**	**15.5**
Iowa	10,187	27,655	63,613	76.1	66.8	66.0	15.0	19.9	18.3	8.9	13.3	15.7
Kansas	7,910	23,538	59,585	76.9	69.1	65.7	13.7	17.8	19.1	9.4	13.1	15.2
Minnesota	14,111	41,497	119,530	77.3	71.3	68.5	13.9	16.0	17.6	8.9	12.8	13.9
Missouri	16,495	46,116	123,366	76.7	67.7	63.7	14.0	17.7	19.4	9.4	14.6	16.9
Nebraska	5,264	14,364	37,862	75.7	67.5	67.2	15.6	19.5	18.2	8.7	13.0	14.6
North Dakota	1,862	5,081	13,159	75.5	61.9	63.8	14.4	22.9	18.3	10.1	15.2	17.9
South Dakota	1,975	5,428	15,303	76.3	64.4	64.8	13.4	20.3	18.2	10.2	15.3	17.0
Southeast	**133,575**	**454,253**	**1,416,289**	**77.8**	**69.1**	**63.9**	**12.5**	**15.5**	**18.0**	**9.7**	**15.5**	**18.1**
Alabama	9,431	30,179	86,021	79.5	70.8	65.2	9.9	12.1	14.7	10.5	17.1	20.1
Arkansas	5,021	17,129	47,584	75.7	66.1	64.6	11.6	15.1	14.7	12.7	18.8	20.8
Florida	24,311	97,999	348,849	68.8	60.0	55.7	20.5	23.8	25.6	10.7	16.3	18.7
Georgia	14,431	46,264	168,959	80.7	73.0	69.6	10.9	13.1	15.7	8.5	13.9	14.7
Kentucky	9,418	29,734	76,885	78.7	70.3	64.5	10.6	13.4	15.6	10.7	16.3	19.9
Louisiana	10,472	37,086	85,548	78.3	73.4	63.5	11.6	13.3	15.0	10.1	13.3	21.5
Mississippi	5,294	17,521	47,735	79.3	69.7	64.4	9.4	12.1	12.9	11.3	18.2	22.7
North Carolina	15,236	47,736	162,602	81.9	73.1	68.0	10.1	12.8	15.5	8.0	14.0	16.6
South Carolina	7,204	23,964	73,890	82.0	72.9	66.0	9.4	11.8	15.1	8.6	15.3	18.9
Tennessee	11,530	37,479	116,760	80.2	71.7	67.9	10.5	13.0	14.2	9.3	15.3	17.9
Virginia	16,359	53,443	168,300	80.2	71.8	67.1	11.7	14.6	18.6	8.1	13.6	14.3
West Virginia	4,868	15,720	33,155	76.3	68.2	59.0	10.6	12.3	15.4	13.0	19.4	25.6
Southwest	**54,463**	**207,671**	**617,538**	**77.6**	**73.0**	**68.1**	**13.4**	**15.1**	**15.8**	**9.0**	**11.8**	**16.1**
Arizona	6,023	25,626	94,596	74.3	68.0	64.3	16.1	17.8	18.4	9.6	14.2	17.3
New Mexico	2,940	10,807	32,217	77.2	70.6	63.7	12.3	14.4	16.2	10.5	15.0	20.1
Oklahoma	8,089	28,764	64,514	75.3	70.9	63.5	13.0	15.1	16.2	11.7	14.0	20.2
Texas	37,411	142,474	426,212	78.7	74.6	70.0	13.1	14.7	15.1	8.2	10.8	15.0
Rocky Mountain	**16,932**	**63,593**	**188,316**	**76.6**	**72.4**	**67.9**	**14.3**	**15.9**	**17.9**	**9.2**	**11.7**	**14.3**
Colorado	8,036	31,261	98,258	75.4	72.9	68.5	15.6	16.3	18.6	9.0	10.8	12.9
Idaho	2,286	8,130	23,591	78.4	70.5	66.9	12.3	16.2	17.2	9.3	13.3	15.9
Montana	2,243	6,945	16,896	75.0	66.0	58.9	14.6	19.2	21.1	10.4	14.9	19.9
Utah	3,196	11,808	39,199	79.2	74.6	72.2	11.9	13.0	13.9	8.9	12.4	13.8
Wyoming	1,171	5,448	10,371	76.3	76.3	61.8	15.4	15.3	22.3	8.3	8.4	15.9
Far West	**117,309**	**378,319**	**1,107,835**	**75.5**	**70.3**	**65.8**	**14.8**	**16.6**	**18.6**	**9.7**	**13.1**	**15.6**
Alaska	1,374	5,611	14,810	87.2	83.0	67.8	8.0	8.6	13.9	4.9	8.4	18.3
California	89,193	281,590	807,975	74.9	70.0	65.7	15.1	16.9	18.8	10.0	13.1	15.5
Hawaii	3,332	10,563	30,072	79.2	73.0	66.1	14.3	14.6	17.7	6.5	12.3	16.2
Nevada	2,157	9,420	41,699	79.6	73.3	68.0	13.3	15.3	18.3	7.1	11.4	13.7
Oregon	7,573	26,315	73,922	75.5	68.6	64.5	14.8	17.3	19.2	9.7	14.1	16.3
Washington	13,681	44,820	139,356	76.8	70.7	65.9	13.9	15.7	18.3	9.3	13.6	15.7

1. Net earnings by place of residence is earnings by place of work—the sum of wage and salary disbursements, other labor income, and proprietors' income—less personal contributions for social insurance plus the adjustment for residence.

Source: The CD-ROM, "State Personal Income, 1958-1996," September 1997.

Table J.3.—Per Capita Personal Income and Per Capita Disposable Personal Income for States and Regions, 1994-96

Area name	Per capita personal income [1]				Per capita disposable personal income [1]			
	Dollars			Rank in U.S.	Dollars			Rank in U.S.
	1994	1995	1996	1996	1994	1995	1996	1996
United States	**22,180**	**23,348**	**24,426**	.....	**19,345**	**20,327**	**21,087**	.....
New England	**26,040**	**27,688**	**28,989**	.....	**22,284**	**23,582**	**24,387**	.....
Connecticut	30,462	32,341	33,875	1	25,722	27,063	27,913	1
Maine	19,277	20,157	21,011	36	17,036	17,842	18,469	37
Massachusetts	26,522	28,332	29,792	3	22,486	23,901	24,810	3
New Hampshire	24,250	25,700	26,615	8	21,599	22,836	23,416	7
Rhode Island	22,383	23,738	24,572	18	19,638	20,856	21,457	18
Vermont	20,299	21,538	22,470	29	17,878	19,036	19,743	28
Mideast	**25,613**	**26,968**	**28,242**	.....	**22,000**	**23,136**	**24,028**	.....
Delaware	24,748	26,159	27,724	5	21,215	22,417	23,549	5
District of Columbia	31,327	32,499	34,129	.....	26,702	27,780	29,195	.....
Maryland	25,405	26,547	27,618	6	21,784	22,751	23,491	6
New Jersey	28,547	30,071	31,334	2	24,474	25,826	26,595	2
New York	26,332	27,806	29,181	4	22,412	23,612	24,583	4
Pennsylvania	22,471	23,628	24,803	17	19,672	20,635	21,514	15
Great Lakes	**22,342**	**23,575**	**24,575**	.....	**19,346**	**20,394**	**21,084**	.....
Illinois	24,230	25,590	26,848	7	20,922	22,054	22,928	8
Indiana	20,811	21,702	22,601	28	18,032	18,828	19,466	32
Michigan	22,692	24,066	24,945	16	19,699	20,877	21,474	17
Ohio	21,368	22,547	23,457	21	18,579	19,574	20,209	21
Wisconsin	21,192	22,379	23,320	22	18,211	19,228	19,854	25
Plains	**21,005**	**22,018**	**23,414**	.....	**18,325**	**19,147**	**20,211**	.....
Iowa	20,049	20,802	22,306	30	17,616	18,276	19,503	31
Kansas	20,819	21,929	23,165	23	18,221	19,114	20,015	23
Minnesota	22,904	24,061	25,663	11	19,504	20,388	21,482	16
Missouri	20,779	21,949	23,022	25	18,244	19,234	20,075	22
Nebraska	20,435	21,385	22,917	27	18,030	18,763	19,966	24
North Dakota	18,229	18,495	20,448	38	16,315	16,526	18,255	38
South Dakota	18,783	19,165	20,895	37	17,051	17,331	18,849	35
Southeast	**20,003**	**21,076**	**22,016**	.....	**17,674**	**18,593**	**19,288**	.....
Alabama	18,349	19,327	20,131	39	16,344	17,202	17,821	39
Arkansas	17,142	18,126	18,959	47	15,316	16,155	16,872	45
Florida	21,959	23,129	24,226	20	19,436	20,425	21,190	19
Georgia	20,686	21,901	22,977	26	18,072	19,102	19,852	26
Kentucky	17,949	18,860	19,797	42	15,801	16,576	17,305	42
Louisiana	18,135	18,960	19,664	43	16,356	17,083	17,605	40
Mississippi	15,931	16,745	17,575	50	14,504	15,260	15,986	50
North Carolina	19,979	21,188	22,205	32	17,423	18,467	19,256	33
South Carolina	18,138	19,146	19,977	40	16,116	16,934	17,584	41
Tennessee	20,120	21,284	21,949	33	18,096	19,113	19,577	30
Virginia	23,129	24,208	25,212	14	19,961	20,880	21,600	14
West Virginia	16,998	17,532	18,160	49	15,250	15,706	16,179	49
Southwest	**19,739**	**20,673**	**21,614**	.....	**17,630**	**18,459**	**19,146**	.....
Arizona	19,562	20,329	21,363	35	17,205	17,860	18,633	36
New Mexico	17,187	18,215	18,803	48	15,301	16,278	16,727	48
Oklahoma	18,039	18,731	19,544	45	15,985	16,614	17,217	44
Texas	20,308	21,311	22,282	31	18,224	19,114	19,815	27
Rocky Mountain	**20,286**	**21,467**	**22,490**	.....	**17,552**	**18,585**	**19,302**	.....
Colorado	23,109	24,487	25,704	10	19,829	21,034	21,849	12
Idaho	18,243	19,181	19,837	41	15,959	16,798	17,276	43
Montana	17,672	18,563	19,214	46	15,499	16,382	16,821	46
Utah	17,334	18,468	19,595	44	15,029	15,952	16,812	47
Wyoming	20,013	20,941	21,544	34	17,661	18,542	18,961	34
Far West	**22,867**	**24,052**	**25,173**	.....	**19,994**	**20,955**	**21,706**	.....
Alaska	23,487	24,170	24,398	19	20,364	21,002	21,050	20
California	23,022	24,217	25,346	13	20,158	21,087	21,826	13
Hawaii	24,278	25,095	25,404	12	21,012	21,978	22,065	10
Nevada	23,422	24,748	26,011	9	20,285	21,435	22,280	9
Oregon	20,575	21,851	23,074	24	17,530	18,698	19,612	29
Washington	22,755	23,927	25,187	15	20,112	21,138	22,057	11

1. Per capita personal income and per capita disposable personal income were computed using midyear population estimates of the Bureau of the Census.

NOTE.—The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

Source: Tables 2 and 4 in "State Personal Income, Revised Estimates for 1958–96" in the October 1997 SURVEY OF CURRENT BUSINESS.

Table J.4.—Gross State Product for States and Regions by Industry, 1994

[Millions of dollars]

State and region	Rank of total gross state product	Total gross state product	Farms	Agricultural services, forestry, and fishing	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Federal civilian government	Federal military government	State and local government
							Total	Durable goods	Nondurable goods								
United States		**6,835,641**	**82,197**	**35,651**	**90,058**	**269,232**	**1,197,098**	**673,139**	**523,959**	**606,354**	**461,863**	**609,908**	**1,273,678**	**1,342,720**	**182,651**	**79,948**	**604,284**
New England		**389,259**	**1,182**	**1,915**	**237**	**13,158**	**66,134**	**43,392**	**22,743**	**27,786**	**25,962**	**33,195**	**92,056**	**88,578**	**6,712**	**2,084**	**30,258**
Connecticut	21	110,449	280	504	38	3,646	18,612	12,231	6,381	7,744	7,328	8,813	30,138	22,939	1,510	579	8,319
Maine	42	26,069	221	267	12	1,142	4,639	2,200	2,439	1,864	1,510	3,159	4,742	4,816	827	342	2,528
Massachusetts	10	186,199	296	777	113	5,943	30,387	20,245	10,142	12,883	13,237	14,784	42,919	47,245	3,134	678	13,804
New Hampshire	40	29,393	94	138	29	1,031	6,053	4,336	1,718	2,327	1,742	2,913	6,502	5,723	448	67	2,326
Rhode Island	44	23,867	56	147	14	822	4,148	2,776	1,372	1,739	1,274	2,204	5,456	5,151	477	354	2,026
Vermont	50	13,282	234	82	31	574	2,296	1,605	691	1,229	872	1,323	2,299	2,704	317	65	1,256
Mideast		**1,327,798**	**4,504**	**4,012**	**2,355**	**45,626**	**183,235**	**85,106**	**98,129**	**114,721**	**86,894**	**100,291**	**321,733**	**294,563**	**46,598**	**7,278**	**115,987**
Delaware	41	26,697	221	75	4	889	5,397	1,486	3,911	1,354	1,046	1,513	10,414	3,419	358	273	1,733
District of Columbia		48,028	0	13	7	428	1,267	153	1,114	2,596	577	1,367	6,888	15,636	16,102	1,166	1,981
Maryland	16	132,703	601	610	111	6,536	11,442	5,676	5,766	11,144	8,199	11,787	29,253	29,531	9,956	2,117	11,416
New Jersey	8	254,945	479	864	152	9,261	36,841	12,144	24,698	25,750	23,374	19,096	57,125	54,124	4,186	832	22,862
New York	2	570,994	1,399	1,221	428	16,661	70,346	35,556	34,790	46,605	35,683	40,005	164,081	129,468	8,443	1,804	54,850
Pennsylvania	6	294,431	1,805	1,229	1,653	11,852	57,941	30,091	27,850	27,272	18,014	26,523	53,972	62,385	7,553	1,087	23,145
Great Lakes		**1,111,598**	**11,265**	**4,418**	**4,459**	**45,155**	**284,542**	**188,314**	**96,229**	**90,978**	**77,674**	**97,284**	**179,209**	**198,663**	**19,212**	**4,025**	**94,713**
Illinois	4	332,853	3,515	1,321	1,273	14,086	62,441	35,277	27,164	31,940	26,639	27,549	63,253	66,853	6,357	1,686	25,938
Indiana	15	138,190	1,839	531	753	6,493	41,843	29,115	12,728	11,407	8,382	12,734	18,448	21,325	2,725	479	11,229
Michigan	9	240,390	1,486	887	938	8,584	71,415	54,414	17,001	16,156	16,373	19,958	36,385	42,288	2,814	527	22,580
Ohio	7	274,844	2,121	1,039	1,238	10,583	73,887	48,605	25,282	22,592	18,534	25,922	41,404	47,899	5,225	1,032	23,366
Wisconsin	19	125,321	2,302	640	258	5,409	34,956	20,903	14,053	8,882	7,745	11,120	19,719	20,298	2,091	300	11,600
Plains		**455,013**	**17,428**	**2,562**	**2,466**	**19,202**	**88,359**	**49,443**	**38,916**	**43,306**	**34,207**	**41,979**	**69,161**	**79,879**	**10,786**	**4,102**	**41,575**
Iowa	29	68,298	4,238	553	156	2,700	16,699	9,775	6,924	5,388	4,718	5,966	9,632	10,090	1,263	191	6,706
Kansas	31	61,758	2,529	348	815	2,402	10,727	5,638	5,090	7,444	4,545	5,956	7,831	10,003	1,584	1,347	6,227
Minnesota	20	124,641	2,822	534	507	5,318	24,950	14,510	10,440	9,564	10,061	11,134	21,869	23,882	2,361	306	11,334
Missouri	17	128,216	1,751	563	356	5,823	27,017	14,477	12,540	13,476	9,406	12,493	18,734	24,172	3,549	892	9,985
Nebraska	36	41,357	3,160	308	98	1,714	6,031	3,088	2,944	4,559	3,147	3,488	5,937	6,724	1,104	587	4,500
North Dakota	49	13,494	1,286	84	349	588	979	534	445	1,496	1,255	1,291	1,673	2,302	358	494	1,341
South Dakota	46	17,250	1,642	173	185	657	1,956	1,422	534	1,378	1,076	1,652	3,487	2,706	567	288	1,483
Southeast		**1,478,627**	**20,175**	**7,841**	**21,509**	**60,747**	**282,972**	**126,435**	**156,537**	**143,740**	**97,808**	**144,130**	**226,278**	**263,453**	**45,781**	**31,101**	**133,092**
Alabama	25	88,661	1,512	460	1,184	3,496	19,398	9,593	9,805	8,821	5,515	8,926	10,860	14,045	4,173	1,411	8,861
Arkansas	33	50,575	2,035	315	382	1,846	12,578	6,757	5,820	6,196	3,077	5,193	5,637	7,272	1,179	411	4,455
Florida	5	317,829	3,399	2,735	711	14,592	26,612	15,079	11,533	29,914	22,644	35,783	68,123	72,639	6,669	4,573	29,435
Georgia	11	183,042	2,491	768	752	6,707	32,576	13,383	19,192	21,865	16,355	16,714	28,563	31,980	5,667	3,519	15,085
Kentucky	26	86,485	1,867	442	2,941	3,429	23,221	12,545	10,676	8,305	4,770	7,651	9,514	12,471	2,683	1,803	7,387
Louisiana	22	101,101	882	369	9,995	4,476	17,417	4,311	13,107	11,059	5,784	8,717	13,260	16,738	1,841	1,320	9,241
Mississippi	32	50,587	1,256	287	356	1,855	11,854	7,015	4,839	6,228	2,840	5,008	5,680	7,597	1,522	1,064	5,039
North Carolina	12	181,521	3,420	786	229	7,078	53,629	19,739	33,890	14,315	11,692	16,338	23,465	26,345	3,148	4,882	16,194
South Carolina	27	79,925	724	363	158	3,473	21,787	8,403	13,384	6,399	4,367	8,043	10,297	11,632	1,864	2,273	8,545
Tennessee	18	126,539	1,242	476	347	4,677	30,611	16,049	14,562	10,646	9,232	13,881	16,217	23,663	4,450	694	10,403
Virginia	13	177,708	1,147	737	1,074	7,443	27,435	11,047	16,389	15,425	9,694	14,820	30,823	33,594	11,646	9,009	14,860
West Virginia	39	34,654	200	101	3,380	1,675	5,854	2,514	3,341	4,567	1,836	3,057	3,838	5,477	939	142	3,587
Southwest		**677,888**	**8,347**	**3,541**	**39,652**	**28,989**	**105,712**	**61,747**	**43,964**	**72,514**	**46,743**	**62,877**	**98,977**	**120,958**	**17,331**	**9,967**	**62,281**
Arizona	24	94,093	810	673	1,114	5,116	13,973	11,155	2,817	8,345	5,677	10,034	17,115	18,155	2,538	1,200	9,343
New Mexico	37	37,832	564	178	2,702	1,781	5,117	4,422	695	3,672	1,645	3,551	5,130	6,595	1,791	834	4,272
Oklahoma	30	66,189	1,591	311	3,281	2,069	11,060	6,615	4,445	7,281	4,051	6,663	8,203	10,788	2,500	1,476	6,915
Texas	3	479,774	5,381	2,379	32,555	20,024	75,562	39,555	36,007	53,216	35,369	42,630	68,529	85,419	10,502	6,456	41,750
Rocky Mountain		**198,132**	**3,989**	**1,120**	**8,816**	**10,271**	**24,790**	**15,011**	**9,779**	**22,017**	**11,869**	**19,563**	**29,743**	**37,142**	**7,215**	**3,034**	**18,564**
Colorado	23	99,767	1,180	506	1,660	5,234	12,299	7,197	5,102	11,014	6,341	10,039	16,825	20,626	3,424	1,885	8,736
Idaho	43	24,185	1,260	276	169	1,536	4,612	3,030	1,583	2,181	1,456	2,502	3,092	3,771	760	268	2,301
Montana	47	16,862	835	135	837	758	1,317	763	555	2,152	1,049	1,714	2,261	3,061	742	266	1,734
Utah	35	41,657	418	123	1,484	2,151	5,891	3,806	2,086	4,008	2,532	4,268	5,905	8,221	1,901	412	4,346
Wyoming	48	15,660	297	79	4,666	591	670	215	455	2,662	492	1,040	1,661	1,464	388	202	1,447
Far West		**1,197,326**	**15,306**	**10,241**	**10,563**	**46,084**	**161,354**	**103,692**	**57,662**	**91,293**	**80,707**	**110,589**	**256,519**	**259,485**	**29,015**	**18,357**	**107,814**
Alaska	45	22,720	18	356	4,238	1,038	1,149	317	833	3,835	672	1,539	2,480	2,653	1,113	1,094	2,535
California	1	875,697	11,171	7,189	4,459	29,222	121,842	76,608	45,234	63,122	59,860	79,662	199,078	193,314	18,900	11,187	76,691
Hawaii	38	36,718	282	198	26	2,151	1,128	296	832	3,475	1,414	4,063	8,584	7,586	1,745	2,623	3,442
Nevada	34	43,958	142	178	1,438	3,090	2,002	1,269	733	3,376	1,990	4,084	8,058	14,967	840	435	3,358
Oregon	28	74,366	1,481	734	96	3,447	14,814	11,260	3,554	5,909	5,888	6,773	12,464	13,248	2,020	223	7,269
Washington	14	143,867	2,212	1,586	306	7,137	20,418	13,942	6,476	11,576	10,882	14,467	25,856	27,716	4,397	2,795	14,519

NOTE.—Totals shown for the United States differ from the NIPA estimates of gross domestic product (GDP) because State data exclude the statistical discrepancy (the difference between GDP and gross domestic income), the compensation of Federal civilian and military personnel stationed abroad, and government consumption of fixed capital for military structures located abroad and for military equipment, except office equipment; they may also differ from the GDP estimates because of differences in revision schedules.

Sources: Tables 9 and 10 in "Comprehensive Revision of Gross State Product by Industry, 1977–94" in the June 1997 SURVEY OF CURRENT BUSINESS.

K. Local Area Table

Table K.1.—Personal Income and Per Capita Personal Income by Metropolitan Area, 1993–95

Area name	Personal income: Millions of dollars 1993	1994	1995	Percent change[2] 1994–95	Per capita personal income[3]: Dollars 1993	1994	1995	Rank in U.S. 1995
United States[1]	**5,471,129**	**5,739,851**	**6,097,977**	**6.2**	**21,223**	**22,044**	**23,196**	
Metropolitan portion	**4,627,255**	**4,850,244**	**5,162,277**	**6.4**	**22,481**	**23,327**	**24,594**	
Nonmetropolitan portion	**843,874**	**889,607**	**935,700**	**5.2**	**16,239**	**16,959**	**17,658**	
Consolidated Metropolitan Statistical Areas								
Chicago-Gary-Kenosha, IL-IN-WI	210,079	220,224	234,889	6.7	24,869	25,906	27,481	
Cincinnati-Hamilton, OH-KY-IN	40,549	42,522	45,310	6.6	21,559	22,436	23,752	
Cleveland-Akron, OH	64,737	67,827	72,102	6.3	22,388	23,350	24,792	
Dallas-Fort Worth, TX	98,735	105,222	113,633	8.0	23,006	24,034	25,418	
Denver-Boulder-Greeley, CO	51,988	54,925	59,361	8.1	24,211	25,084	26,581	
Detroit-Ann Arbor-Flint, MI	121,251	131,581	140,169	6.5	23,139	25,117	26,646	
Houston-Galveston-Brazoria, TX	93,005	97,330	104,073	6.9	23,048	23,693	24,910	
Los Angeles-Riverside-Orange County, CA	331,389	337,711	357,571	5.9	21,822	22,122	23,290	
Miami-Fort Lauderdale, FL	71,826	74,618	80,095	7.3	21,514	21,965	23,155	
Milwaukee-Racine, WI	37,629	39,592	42,025	6.1	23,036	24,182	25,636	
New York-No. New Jersey-Long Island, NY-NJ-CT-PA	564,130	585,058	619,024	5.8	28,691	29,654	31,280	
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD	147,099	151,972	160,677	5.7	24,743	25,497	26,921	
Portland-Salem, OR-WA	41,382	44,382	48,170	8.5	21,236	22,308	23,719	
Sacramento-Yolo, CA	33,416	35,017	37,534	7.2	21,212	22,052	23,332	
San Francisco-Oakland-San Jose, CA	181,386	187,916	201,544	7.3	28,055	28,901	30,802	
Seattle-Tacoma-Bremerton, WA	77,103	80,757	85,826	6.3	24,214	25,062	26,231	
Washington-Baltimore, DC-MD-VA-WV	185,306	194,456	204,023	4.9	26,550	27,584	28,706	
Metropolitan Statistical Areas[4]								
Abilene, TX	2,117	2,153	2,299	6.8	17,407	17,720	18,708	254
Akron, OH*	13,869	14,691	15,620	6.3	20,663	21,828	23,103	92
Albany, GA	1,915	2,063	2,199	6.6	16,507	17,711	18,849	246
Albany-Schenectady-Troy, NY	19,396	20,365	21,004	3.1	22,194	23,082	23,837	73
Albuquerque, NM	12,071	13,056	14,188	8.7	19,145	20,175	21,452	142
Alexandria, LA	2,177	2,332	2,456	5.3	17,399	18,492	19,352	224
Allentown-Bethlehem-Easton, PA	13,250	13,794	14,580	5.7	21,754	22,554	23,801	74
Altoona, PA	2,287	2,379	2,495	4.9	17,338	17,963	18,891	244
Amarillo, TX	3,673	3,916	4,188	7.0	18,801	19,664	20,464	177
Anchorage, AK	6,616	6,921	7,015	1.4	26,465	27,484	27,914	22
Ann Arbor, MI*	12,251	13,472	14,508	7.7	24,101	26,255	27,829	24
Anniston, AL	1,846	1,916	2,024	5.6	15,859	16,989	17,840	289
Appleton-Oshkosh-Neenah, WI	6,735	7,178	7,672	6.9	20,497	21,596	22,810	102
Asheville, NC	3,920	4,095	4,391	7.2	19,491	20,050	21,181	154
Athens, GA	2,276	2,416	2,606	7.8	17,390	18,094	19,320	228
Atlanta, GA	75,166	80,871	87,956	8.8	23,260	24,229	25,563	42
Atlantic-Cape May, NJ*	8,192	8,502	8,964	5.4	24,973	25,768	27,020	29
Augusta-Aiken, GA-SC	8,114	8,429	8,809	4.5	18,297	18,790	19,451	222
Austin-San Marcos, TX	18,737	20,331	22,338	9.9	20,048	20,977	22,185	123
Bakersfield, CA	10,073	10,218	10,860	6.3	16,798	16,711	17,625	291
Baltimore, MD*	56,912	59,799	62,556	4.6	23,282	24,326	25,347	44
Bangor, ME (NECMA)	2,518	2,601	2,728	4.9	17,228	17,777	18,747	252
Barnstable-Yarmouth, MA (NECMA)	4,870	5,106	5,492	7.6	25,286	26,090	27,568	25
Baton Rouge, LA	10,492	11,233	11,919	6.1	18,962	20,114	21,159	156
Beaumont-Port Arthur, TX	6,711	6,951	7,348	5.7	17,973	18,567	19,541	221
Bellingham, WA	2,593	2,789	2,953	5.9	18,198	19,097	19,775	210
Benton Harbor, MI	3,073	3,257	3,442	5.7	19,018	20,193	21,284	150
Bergen-Passaic, NJ*	40,789	42,024	44,345	5.5	31,489	32,291	33,931	4
Billings, MT	2,361	2,515	2,662	5.8	19,543	20,472	21,345	146
Biloxi-Gulfport-Pascagoula, MS	5,374	5,852	6,104	4.3	16,315	17,339	17,856	288
Binghamton, NY	5,071	5,172	5,269	1.9	19,165	19,727	20,446	178
Birmingham, AL	17,846	18,960	20,283	7.0	20,644	21,547	22,830	99
Bismarck, ND	1,627	1,697	1,814	6.9	18,634	19,255	20,342	182
Bloomington, IN	1,939	2,029	2,147	5.8	17,196	17,844	18,603	261
Bloomington-Normal, IL	2,797	3,056	3,213	5.1	20,722	22,417	23,229	90
Boise City, ID	6,932	7,629	8,330	9.2	20,711	21,885	23,052	94
Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH (NECMA)	146,890	153,749	164,718	7.1	25,773	26,832	28,564	17
Boulder-Longmont, CO*	6,221	6,632	7,114	7.3	25,451	26,555	27,978	20
Brazoria, TX*	3,775	3,970	4,240	6.8	18,112	18,662	19,595	218
Bremerton, WA*	4,108	4,293	4,529	5.5	19,292	19,802	20,004	197
Brownsville-Harlingen-San Benito, TX	3,259	3,476	3,682	5.9	11,246	11,610	11,960	313
Bryan-College Station, TX	1,877	1,985	2,086	5.1	14,524	15,187	15,872	306
Buffalo-Niagara Falls, NY	24,140	25,509	26,766	4.9	20,254	21,475	22,645	109
Burlington, VT (NECMA)	3,864	4,018	4,280	6.5	21,053	21,518	22,687	105
Canton-Massillon, OH	7,625	8,052	8,535	6.0	19,014	20,054	21,222	152
Casper, WY	1,414	1,469	1,550	5.5	22,476	22,978	24,248	65
Cedar Rapids, IA	3,835	4,094	4,363	6.6	21,928	23,184	24,448	61
Champaign-Urbana, IL	3,125	3,235	3,390	4.8	18,442	19,518	20,376	181
Charleston-North Charleston, SC	8,879	9,168	9,447	3.0	16,919	17,769	18,840	247
Charleston, WV	5,201	5,434	5,744	5.7	20,465	21,352	22,562	112
Charlotte-Gastonia-Rock Hill, NC-SC	26,536	28,472	30,989	8.8	21,505	22,580	24,022	71
Charlottesville, VA	3,172	3,318	3,512	5.8	22,926	23,622	24,630	56
Chattanooga, TN-GA	8,461	8,887	9,453	6.4	19,450	20,230	21,330	147
Cheyenne, WY	1,570	1,597	1,664	4.2	20,420	20,458	21,201	153
Chicago, IL*	193,676	202,969	216,553	6.7	25,501	26,553	28,177	19
Chico-Paradise, CA	3,225	3,317	3,482	5.0	16,881	17,249	18,040	280
Cincinnati, OH-KY-IN*	34,473	36,084	38,428	6.5	21,928	22,848	24,199	66
Clarksville-Hopkinsville, TN-KY	2,694	2,854	3,053	7.0	14,943	15,405	16,833	298
Cleveland-Lorain-Elyria, OH*	50,869	53,136	56,482	6.3	22,910	23,809	25,303	46
Colorado Springs, CO	8,301	8,931	9,660	8.2	19,104	19,684	20,770	166
Columbia, MO	2,290	2,443	2,608	6.7	19,212	20,178	21,137	157
Columbia, SC	9,298	9,818	10,464	6.6	19,362	20,702	21,733	131
Columbus, GA-AL	4,612	4,798	5,060	5.4	17,023	17,549	18,616	259
Columbus, OH	30,328	32,441	34,614	6.7	21,525	22,825	24,132	68
Corpus Christi, TX	6,128	6,469	6,833	5.6	16,594	17,190	17,984	285
Cumberland, MD-WV	1,610	1,682	1,765	5.0	15,894	16,627	17,460	293
Dallas, TX*	68,719	73,638	79,737	8.3	24,084	25,298	26,803	32
Danville, VA	1,793	1,865	1,965	5.3	16,395	16,972	17,930	286
Davenport-Moline-Rock Island, IA-IL	7,016	7,337	7,722	5.3	19,646	20,534	21,588	137
Dayton-Springfield, OH	19,884	20,823	22,132	6.3	20,734	21,834	23,238	89
Daytona Beach, FL	7,417	7,867	8,464	7.6	17,120	17,742	18,794	249
Decatur, AL	2,466	2,623	2,772	5.7	17,912	19,069	19,955	200
Decatur, IL	2,360	2,434	2,517	3.4	20,106	20,851	21,640	134
Denver, CO*	43,300	45,764	49,546	8.3	24,570	25,494	27,069	28
Des Moines, IA	9,387	10,014	10,709	6.9	22,747	23,987	25,331	45
Detroit, MI*	100,582	108,703	115,754	6.5	23,395	25,320	26,889	31
Dothan, AL	2,264	2,372	2,506	5.7	16,919	17,819	18,777	250
Dover, DE	2,069	2,177	2,344	7.7	17,494	18,232	19,333	226
Dubuque, IA	1,669	1,771	1,865	5.3	19,011	20,113	21,160	155
Duluth-Superior, MN-WI	4,338	4,540	4,782	5.3	17,959	18,834	19,959	199
Dutchess County, NY*	6,092	6,132	6,302	2.8	23,177	23,474	24,098	69
Eau Claire, WI	2,440	2,584	2,754	6.5	17,292	18,218	19,335	225
El Paso, TX	8,391	8,809	9,299	5.6	12,964	13,211	13,702	312
Elkhart-Goshen, IN	3,317	3,564	3,780	6.1	20,485	21,719	22,660	107
Elmira, NY	1,686	1,773	1,863	5.0	17,745	18,766	19,817	206
Enid, OK	1,031	1,063	1,099	3.3	18,246	18,719	19,160	235
Erie, PA	5,278	5,510	5,811	5.5	18,879	19,630	20,704	168
Eugene-Springfield, OR	5,327	5,667	6,043	6.6	18,036	18,932	19,917	202
Evansville-Henderson, IN-KY	5,853	6,071	6,360	4.8	20,505	21,184	22,124	124
Fargo-Moorhead, ND-MN	2,952	3,165	3,348	5.8	18,469	19,535	20,433	180
Fayetteville, NC	4,773	4,899	5,210	6.4	16,813	17,252	18,289	271
Fayetteville-Springdale-Rogers, AR	4,319	4,696	5,078	8.1	18,381	19,293	20,060	192
Flagstaff, AZ-UT	1,679	1,820	1,948	7.0	15,124	15,959	16,733	299
Flint, MI*	8,418	9,407	9,908	5.3	19,469	21,757	22,815	101
Florence, AL	2,256	2,397	2,547	6.3	16,679	17,801	18,837	248
Florence, SC	2,067	2,177	2,301	5.7	17,285	17,981	18,767	251
Fort Collins-Loveland, CO	4,075	4,368	4,726	8.2	19,875	20,538	21,747	130
Fort Lauderdale, FL*	32,716	34,274	37,008	8.0	24,175	24,736	26,192	37
Fort Myers-Cape Coral, FL	7,784	8,259	8,880	7.5	21,672	22,450	23,664	78
Fort Pierce-Port St. Lucie, FL	6,126	6,362	6,866	7.9	22,491	22,847	24,313	64
Fort Smith, AR-OK	3,014	3,244	3,428	5.7	16,410	17,515	18,167	276
Fort Walton Beach, FL	2,914	3,060	3,237	5.8	18,491	19,007	19,795	208
Fort Wayne, IN	9,698	10,202	10,867	6.5	20,803	21,768	23,048	95
Fort Worth-Arlington, TX*	30,015	31,585	33,896	7.3	20,867	21,527	22,665	106
Fresno, CA	14,363	14,583	15,274	4.7	17,411	17,384	18,014	283
Gadsden, AL	1,639	1,727	1,839	6.4	16,425	16,935	18,032	281
Gainesville, FL	3,473	3,663	3,905	6.6	18,193	18,961	19,984	198
Galveston-Texas City, TX*	4,497	4,731	5,065	7.0	19,381	20,130	21,300	149
Gary, IN*	11,998	12,613	13,369	6.0	19,472	20,397	21,534	139
Glens Falls, NY	2,146	2,267	2,364	4.3	17,602	18,598	19,326	227
Goldsboro, NC	1,664	1,768	1,895	7.2	15,408	16,261	17,127	295
Grand Forks, ND-MN	1,707	1,809	1,906	5.4	16,492	17,326	18,297	270
Grand Junction, CO	1,768	1,866	2,007	7.6	17,553	18,016	18,904	243
Grand Rapids-Muskegon-Holland, MI	20,059	21,591	23,232	7.6	20,579	21,811	23,174	91
Great Falls, MT	1,500	1,527	1,624	6.4	18,682	18,803	20,043	194
Greeley, CO*	2,466	2,529	2,700	6.8	17,548	17,470	18,178	275
Green Bay, WI	4,349	4,622	4,936	6.8	21,236	22,267	23,429	85
Greensboro-Winston-Salem-High Point, NC	23,267	24,511	26,357	7.5	21,288	22,095	23,428	86
Greenville, NC	2,041	2,174	2,339	7.6	17,889	18,712	19,813	207
Greenville-Spartanburg-Anderson, SC	15,643	16,664	17,948	7.7	18,140	19,084	20,301	184
Hagerstown, MD*	2,156	2,296	2,382	3.8	17,134	18,162	18,740	253
Hamilton-Middletown, OH*	6,076	6,438	6,882	6.9	19,679	20,377	21,527	141
Harrisburg-Lebanon-Carlisle, PA	13,179	13,751	14,533	5.7	21,753	22,546	23,752	75
Hartford, CT (NECMA)	29,959	30,762	32,169	4.6	26,813	27,587	28,962	14
Hattiesburg, MS	1,525	1,635	1,761	7.7	14,937	15,773	16,594	301
Hickory-Morganton-Lenoir, NC	5,602	5,945	6,286	5.7	18,527	19,402	20,235	186
Honolulu, HI	21,675	22,254	22,901	2.9	25,150	25,602	26,300	35
Houma, LA	2,759	2,963	3,126	5.5	14,808	15,807	16,585	302
Houston, TX*	84,734	88,628	94,768	6.9	23,571	24,214	25,449	43
Huntington-Ashland, WV-KY-OH	5,123	5,341	5,566	4.2	16,188	16,865	17,570	292
Huntsville, AL	6,547	6,784	7,091	4.5	20,818	20,711	21,624	135
Indianapolis, IN	32,605	34,440	36,402	5.7	22,605	23,583	24,664	55
Iowa City, IA	2,042	2,206	2,321	5.2	20,612	21,926	22,894	98
Jackson, MI	2,715	2,887	3,055	5.8	17,779	18,936	19,913	203
Jackson, MS	7,410	7,981	8,594	7.7	18,190	19,355	20,646	170
Jackson, TN	1,678	1,829	1,963	7.3	17,693	19,032	20,161	190
Jacksonville, FL	19,606	20,630	22,209	7.7	20,401	21,234	22,617	110
Jacksonville, NC	1,962	2,030	2,149	5.9	13,474	14,005	14,897	310
Jamestown, NY	2,385	2,503	2,595	3.7	16,763	17,635	18,366	269
Janesville-Beloit, WI	2,831	3,018	3,247	7.6	19,580	20,635	21,865	127
Jersey City, NJ*	11,975	12,241	12,987	6.1	21,714	22,223	23,561	80
Johnson City-Kingsport-Bristol, TN-VA	7,596	7,936	8,442	6.4	16,959	17,622	18,582	262
Johnstown, PA	4,080	4,211	4,431	5.2	16,934	17,482	18,425	268

See footnotes at the end of the table.

Table K.1.—Personal Income and Per Capita Personal Income by Metropolitan Area, 1993–95—Continued

Area name	Personal income: Millions of dollars 1993	1994	1995	Percent change[2] 1994–95	Per capita personal income[3]: Dollars 1993	1994	1995	Rank in U.S. 1995
Jonesboro, AR	1,154	1,226	1,335	8.9	15,905	16,704	17,826	290
Joplin, MO	2,357	2,543	2,739	7.7	16,857	17,960	19,088	241
Kalamazoo-Battle Creek, MI	8,737	9,229	9,821	6.4	19,895	20,964	22,203	122
Kankakee, IL*	1,808	1,892	2,020	6.7	18,003	18,699	19,901	204
Kansas City, MO-KS	36,359	38,533	41,123	6.7	22,290	23,244	24,576	58
Kenosha, WI*	2,597	2,751	2,948	7.2	19,092	19,990	21,117	158
Killeen-Temple, TX	4,202	4,530	4,828	6.6	15,600	15,682	16,508	303
Knoxville, TN	12,153	12,964	13,814	6.6	19,627	20,566	21,558	138
Kokomo, IN	2,071	2,203	2,368	7.5	20,848	22,130	23,715	77
La Crosse, WI-MN	2,314	2,430	2,550	4.9	19,385	20,210	21,088	159
Lafayette, LA	5,720	6,161	6,527	5.9	15,999	17,060	17,867	287
Lafayette, IN	2,994	3,164	3,353	6.0	18,070	18,806	19,734	215
Lake Charles, LA	2,957	3,176	3,394	6.9	17,188	18,258	19,262	230
Lakeland-Winter Haven, FL	7,175	7,709	8,344	8.2	16,972	17,930	19,126	238
Lancaster, PA	9,537	9,785	10,321	5.5	21,745	22,084	23,056	93
Lansing-East Lansing, MI	8,531	9,168	9,686	5.7	19,553	20,614	21,717	132
Laredo, TX	1,730	1,885	1,966	4.3	10,998	11,430	11,402	314
Las Cruces, NM	2,059	2,160	2,343	8.5	13,487	13,752	14,643	311
Las Vegas, NV-AZ	21,342	23,786	26,198	10.1	21,054	21,974	22,927	97
Lawrence, KS	1,417	1,505	1,608	6.8	16,483	17,266	18,191	274
Lawton, OK	1,778	1,803	1,880	4.3	15,041	15,866	16,870	297
Lewiston-Auburn, ME (NECMA)	1,849	1,918	2,019	5.3	17,808	18,558	19,626	217
Lexington, KY	8,660	9,080	9,743	7.3	20,331	21,060	22,394	116
Lima, OH	2,795	2,988	3,117	4.3	17,897	19,168	20,042	195
Lincoln, NE	4,541	4,831	5,156	6.7	20,275	21,325	22,446	114
Little Rock-North Little Rock, AR	10,489	11,105	11,916	7.3	19,680	20,652	21,954	126
Longview-Marshall, TX	3,507	3,660	3,905	6.7	17,531	18,166	19,132	237
Los Angeles-Long Beach, CA*	199,770	201,754	213,337	5.7	21,984	22,218	23,501	82
Louisville, KY-IN	20,804	21,834	23,232	6.4	21,363	22,267	23,552	81
Lubbock, TX	4,100	4,330	4,590	6.0	18,027	18,776	19,783	209
Lynchburg, VA	3,723	3,922	4,127	5.2	18,550	19,314	20,199	188
Macon, GA	5,490	5,740	6,085	6.0	18,129	18,686	19,674	216
Madison, WI	9,206	9,765	10,391	6.4	23,822	25,032	26,449	33
Mansfield, OH	3,039	3,201	3,373	5.4	17,343	18,265	19,243	231
McAllen-Edinburg-Mission, TX	4,521	4,893	5,248	7.3	10,170	10,525	10,878	315
Medford-Ashland, OR	2,859	3,070	3,272	6.6	18,080	18,913	19,746	213
Melbourne-Titusville-Palm Bay, FL	8,564	8,938	9,341	4.5	19,663	20,161	20,747	167
Memphis, TN-AR-MS	21,862	23,432	25,222	7.6	20,988	22,215	23,640	79
Merced, CA	3,025	3,043	3,017	–.9	15,735	15,494	15,653	307
Miami, FL*	39,110	40,344	43,087	6.8	19,699	20,056	21,058	160
Middlesex-Somerset-Hunterdon, NJ*	31,640	33,117	35,087	5.9	29,967	30,997	32,507	7
Milwaukee-Waukesha, WI*	33,779	35,519	37,698	6.1	23,263	24,422	25,906	38
Minneapolis-St. Paul, MN-WI	66,474	70,555	74,901	6.2	25,026	26,197	27,436	26
Mobile, AL	8,495	8,967	9,469	5.6	16,811	17,614	18,429	266
Modesto, CA	6,992	7,139	7,449	4.3	17,379	17,537	18,122	278
Monmouth-Ocean, NJ*	27,308	28,058	29,635	5.6	26,720	27,089	28,187	18
Monroe, LA	2,390	2,528	2,708	7.1	16,395	17,304	18,444	264
Montgomery, AL	5,840	6,178	6,558	6.1	18,996	19,964	21,000	162
Muncie, IN	2,180	2,287	2,384	4.2	18,185	19,204	20,044	193
Myrtle Beach, SC	2,544	2,771	3,034	9.5	17,143	18,177	19,220	234
Naples, FL	5,343	5,601	6,015	7.4	31,084	31,447	32,878	5
Nashville, TN	23,385	25,394	27,453	8.1	22,367	23,716	25,077	50
Nassau-Suffolk, NY*	77,581	80,864	85,250	5.4	29,373	30,527	32,108	9
New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT*	52,715	54,255	57,566	6.1	32,372	33,352	35,400	3
New London-Norwich, CT (NECMA)	5,907	6,264	6,615	5.6	23,761	25,157	26,436	34
New Orleans, LA	25,439	26,568	28,089	5.7	19,497	20,277	21,374	144
New York, NY*	242,044	251,831	266,669	5.9	28,163	29,227	30,896	11
Newark, NJ*	57,117	58,947	62,684	6.3	29,599	30,459	32,346	8
Newburgh, NY-PA*	7,061	7,395	7,729	4.5	20,037	20,813	21,528	140
Norfolk-Virginia Beach-Newport News, VA-NC	28,554	29,768	31,217	4.9	18,826	19,485	20,332	183
Oakland, CA*	56,796	58,801	62,995	7.1	26,196	26,973	28,729	16
Ocala, FL	3,533	3,804	4,090	7.5	16,673	17,318	18,130	277
Odessa-Midland, TX	4,650	4,875	5,152	5.7	19,829	20,618	21,674	133
Oklahoma City, OK	18,503	19,443	20,474	5.3	18,575	19,277	20,139	191
Olympia, WA*	3,791	3,996	4,288	7.3	20,662	21,301	22,258	120
Omaha, NE-IA	14,167	14,958	16,108	7.7	21,535	22,540	24,002	72
Orange County, CA*	65,005	67,212	71,272	6.0	25,681	26,213	27,420	27
Orlando, FL	26,180	27,690	29,645	7.1	19,621	20,313	21,395	143
Owensboro, KY	1,562	1,669	1,758	5.3	17,468	18,496	19,390	223
Panama City, FL	2,373	2,471	2,592	4.9	17,295	17,680	18,229	273
Parkersburg-Marietta, WV-OH	2,739	2,853	2,999	5.1	18,115	18,816	19,774	211
Pensacola, FL	6,229	6,484	6,818	5.1	17,195	17,391	18,025	282
Peoria-Pekin, IL	7,005	7,418	7,692	3.7	20,428	21,551	22,235	121
Philadelphia, PA-NJ*	122,479	126,364	133,528	5.7	24,775	25,521	26,959	30
Phoenix-Mesa, AZ	48,394	52,629	58,036	10.3	20,180	21,178	21,839	128
Pine Bluff, AR	1,290	1,319	1,397	5.8	15,294	15,649	16,685	300
Pittsburgh, PA	53,184	54,634	57,518	5.3	22,090	22,760	24,071	70
Pittsfield, MA (NECMA)	3,048	3,145	3,326	5.8	22,395	23,151	24,611	57
Pocatello, ID	1,121	1,182	1,245	5.3	16,056	16,404	17,033	296
Portland, ME (NECMA)	5,649	5,896	6,253	6.1	23,032	23,839	25,127	49
Portland-Vancouver, OR-WA*	36,081	38,758	42,160	8.8	21,897	23,046	24,553	60
Providence-Warwick-Pawtucket, RI (NECMA)	19,832	20,241	21,576	6.6	21,687	22,185	23,730	76
Provo-Orem, UT	3,895	4,248	4,691	10.4	13,736	14,063	15,099	309
Pueblo, CO	2,061	2,176	2,390	9.9	16,378	17,025	18,441	265
Punta Gorda, FL	2,294	2,456	2,649	7.9	18,636	19,483	20,539	174
Racine, WI*	3,849	4,073	4,327	6.2	21,217	22,275	23,498	83
Raleigh-Durham-Chapel Hill, NC	21,293	22,694	24,596	8.4	22,661	23,448	24,675	54
Rapid City, SD	1,564	1,645	1,760	7.0	18,181	18,991	20,176	189
Reading, PA	7,698	8,020	8,455	5.4	22,268	23,008	24,139	67
Redding, CA	2,909	3,007	3,146	4.6	18,319	18,785	19,558	219
Reno, NV	6,933	7,506	8,110	8.0	25,189	26,448	27,866	23
Richland-Kennewick-Pasco, WA	3,388	3,605	3,699	2.6	20,220	20,691	20,618	171
Richmond-Petersburg, VA	21,378	22,540	23,940	6.2	23,600	24,587	25,851	41
Riverside-San Bernardino, CA*	50,578	52,250	55,477	6.2	17,584	17,892	18,685	255
Roanoke, VA	5,017	5,207	5,575	7.1	22,045	22,753	24,378	62
Rochester, MN	2,608	2,667	2,784	4.4	23,141	23,574	24,720	52
Rochester, NY	24,339	25,451	26,703	4.9	22,372	23,386	24,566	59
Rockford, IL	6,837	7,381	7,888	6.9	19,923	21,330	22,602	111
Rocky Mount, NC	2,375	2,481	2,656	7.1	17,147	17,631	18,615	260
Sacramento, CA*	30,464	31,962	34,258	7.2	21,306	22,173	23,459	84
Saginaw-Bay City-Midland, MI	7,973	8,478	8,996	6.1	19,787	21,047	22,342	118
St. Cloud, MN	2,609	2,777	2,902	4.5	16,825	17,708	18,278	272
St. Joseph, MO	1,697	1,781	1,872	5.1	17,251	18,214	19,222	233
St. Louis, MO-IL	56,970	59,826	63,929	6.9	22,529	23,634	25,170	48
Salem, OR*	5,300	5,624	6,010	6.9	17,612	18,278	19,154	236
Salinas, CA	7,946	7,922	8,452	6.7	22,577	23,804	25,270	47
Salt Lake City-Ogden, UT	20,413	22,030	23,739	7.8	17,674	18,703	19,825	205
San Angelo, TX	1,754	1,845	1,958	6.1	17,553	18,247	19,231	232
San Antonio, TX	25,644	27,298	29,313	7.4	18,214	19,055	20,034	196
San Diego, CA	56,001	57,820	61,106	5.7	21,484	22,114	23,263	88
San Francisco, CA*	55,375	56,964	60,853	6.8	33,891	34,745	36,989	1
San Jose, CA*	43,786	45,784	49,548	8.2	28,362	29,439	31,487	10
San Luis Obispo-Atascadero-Paso Robles, CA	4,216	4,361	4,645	6.5	18,970	19,444	20,490	176
Santa Barbara-Santa Maria-Lompoc, CA	9,193	9,378	9,929	5.9	24,216	24,435	25,860	40
Santa Cruz-Watsonville, CA*	5,618	5,788	6,193	7.0	24,049	24,587	26,202	36
Santa Fe, NM	2,913	3,087	3,350	8.5	22,812	23,461	24,691	53
Santa Rosa, CA*	9,703	10,103	10,779	6.7	23,799	24,533	25,888	39
Sarasota-Bradenton, FL	13,489	14,375	15,557	8.2	26,406	27,704	29,641	13
Savannah, GA	5,292	5,612	5,971	6.4	19,473	20,318	21,351	145
Scranton-Wilkes-Barre-Hazleton, PA	11,963	12,316	12,927	5.0	18,695	19,363	20,442	179
Seattle-Bellevue-Everett, WA*	57,079	59,763	63,422	6.1	26,458	27,422	28,773	15
Sharon, PA	2,042	2,141	2,259	5.5	16,702	17,545	18,498	263
Sheboygan, WI	2,188	2,314	2,456	6.2	20,589	21,526	22,560	113
Sherman-Denison, TX	1,677	1,751	1,879	7.3	17,420	17,963	19,090	240
Shreveport-Bossier City, LA	6,963	7,296	7,672	5.2	18,495	19,321	20,228	187
Sioux City, IA-NE	2,196	2,336	2,517	7.7	18,493	19,544	20,871	165
Sioux Falls, SD	3,208	3,504	3,747	6.9	21,573	23,045	24,320	63
South Bend, IN	5,126	5,399	5,741	6.3	20,215	21,150	22,350	117
Spokane, WA	7,409	7,849	8,271	5.4	18,932	19,788	20,575	173
Springfield, IL	4,145	4,381	4,554	3.9	21,311	21,657	22,426	115
Springfield, MO	5,243	5,640	6,053	7.3	18,562	19,556	20,616	172
Springfield, MA (NECMA)	12,124	12,566	13,264	5.6	20,321	21,080	22,342	118
State College, PA	2,247	2,333	2,475	6.1	17,403	17,977	18,957	242
Steubenville-Weirton, OH-WV	2,326	2,420	2,521	4.2	16,519	17,278	18,079	279
Stockton-Lodi, CA	9,115	9,385	9,924	5.7	17,826	18,085	18,874	245
Sumter, SC	1,463	1,549	1,645	6.2	13,811	14,557	15,387	308
Syracuse, NY	14,898	15,544	16,171	4.0	19,745	20,676	21,592	136
Tacoma, WA*	12,125	12,706	13,586	6.9	19,231	19,899	20,945	163
Tallahassee, FL	4,504	4,784	5,083	6.3	18,014	18,760	19,753	212
Tampa-St. Petersburg-Clearwater, FL	43,934	45,864	49,391	7.7	20,567	21,246	22,646	108
Terre Haute, IN	2,574	2,654	2,789	5.1	17,160	17,757	18,640	258
Texarkana, TX-Texarkana, AR	1,975	2,080	2,215	6.5	16,184	16,939	17,998	284
Toledo, OH	12,583	13,292	14,038	5.6	20,521	21,730	22,971	96
Topeka, KS	3,409	3,554	3,753	5.6	20,775	21,540	22,752	104
Trenton, NJ*	9,809	10,194	10,770	5.7	29,853	30,964	32,633	6
Tucson, AZ	12,644	13,782	14,770	7.2	17,767	18,761	19,556	220
Tulsa, OK	14,918	15,473	16,274	5.2	20,192	20,823	21,789	129
Tuscaloosa, AL	2,678	2,856	3,045	6.6	17,306	18,411	19,281	229
Tyler, TX	3,054	3,238	3,456	6.7	19,357	20,245	21,253	151
Utica-Rome, NY	5,632	5,892	6,085	3.3	17,729	18,680	19,740	214
Vallejo-Fairfield-Napa, CA*	10,108	10,476	11,174	6.7	21,138	21,820	23,328	87
Ventura, CA*	16,035	16,494	17,485	6.0	23,196	23,527	24,736	51
Victoria, TX	1,513	1,594	1,700	6.6	19,197	19,892	21,042	161
Vineland-Millville-Bridgeton, NJ*	2,720	2,786	2,936	5.4	19,567	20,063	21,312	148
Visalia-Tulare-Porterville, CA	5,263	5,363	5,615	4.7	15,516	15,517	16,144	305
Waco, TX	3,297	3,474	3,734	7.5	16,963	17,528	18,674	257
Washington, DC-MD-VA-WV*	126,237	132,361	139,085	5.1	28,631	29,644	30,824	12
Waterloo-Cedar Falls, IA	2,258	2,406	2,540	5.6	18,142	19,419	20,660	169
Wausau, WI	2,247	2,370	2,530	6.8	18,772	19,689	20,902	164
West Palm Beach-Boca Raton, FL	30,995	32,424	35,204	8.6	33,197	33,862	36,057	2
Wheeling, WV-OH	2,717	2,796	2,926	4.7	17,138	17,723	18,682	256
Wichita, KS	10,710	10,934	11,617	6.2	21,238	21,574	22,823	100
Wichita Falls, TX	2,384	2,519	2,707	7.5	18,295	19,020	19,933	201
Williamsport, PA	2,119	2,184	2,290	4.9	17,517	18,080	19,102	239
Wilmington-Newark, DE-MD*	13,709	14,321	15,249	6.5	25,649	26,507	27,924	21
Wilmington, NC	3,499	3,741	4,062	8.6	18,667	19,314	20,247	185
Yakima, WA	3,599	3,738	3,934	5.2	17,559	17,810	18,427	267
Yolo, CA*	2,952	3,055	3,276	7.2	20,293	20,864	22,083	125
York, PA	7,632	7,823	8,299	6.1	21,563	21,727	22,759	103
Youngstown-Warren, OH	11,051	11,641	12,302	5.7	18,249	19,317	20,512	175
Yuba City, CA	2,191	2,233	2,366	5.9	16,566	16,569	17,414	294
Yuma, AZ	1,757	1,687	1,976	17.1	14,112	13,228	16,221	304

1. The personal income level shown for the United States is derived as the sum of the county estimates; it differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

2. Percent change was calculated from unrounded data.

3. Per capita personal income was computed using Census Bureau midyear population estimates. Estimates for 1993-95 reflect county population estimates available as of March 1997.

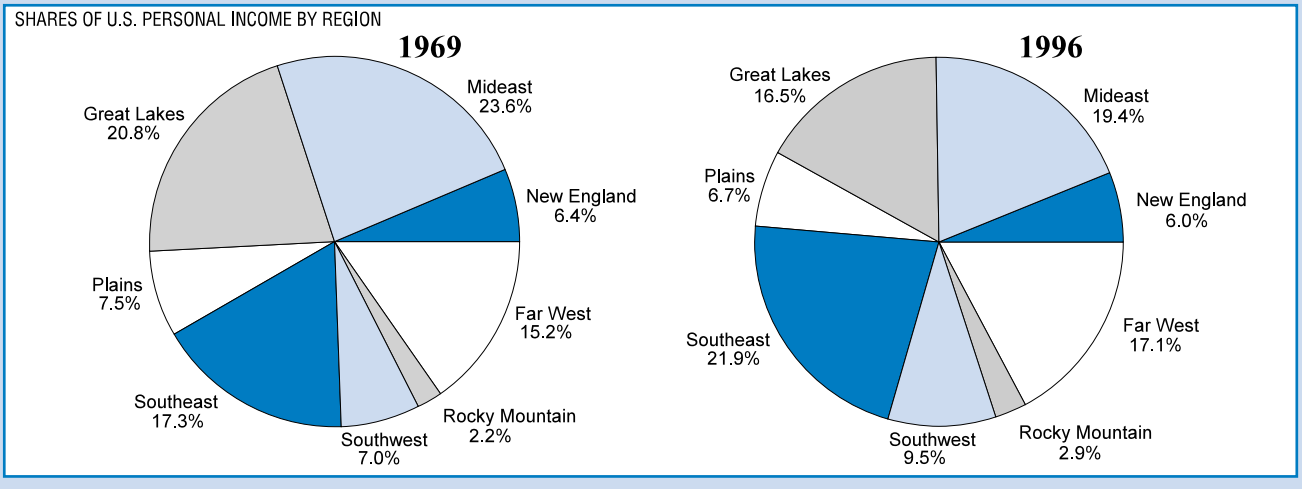
4. Includes Metropolitan Statistical Areas, Primary Metropolitan Statistical Areas (PMSA's designated by *), and New England County Metropolitan Areas (NECMA's). The New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA is presented as a PMSA (part of the New York CMSA).

Source: Table 1 in "Comprehensive Revision of Local Area Personal Income, 1969–95" in the September 1997 SURVEY.

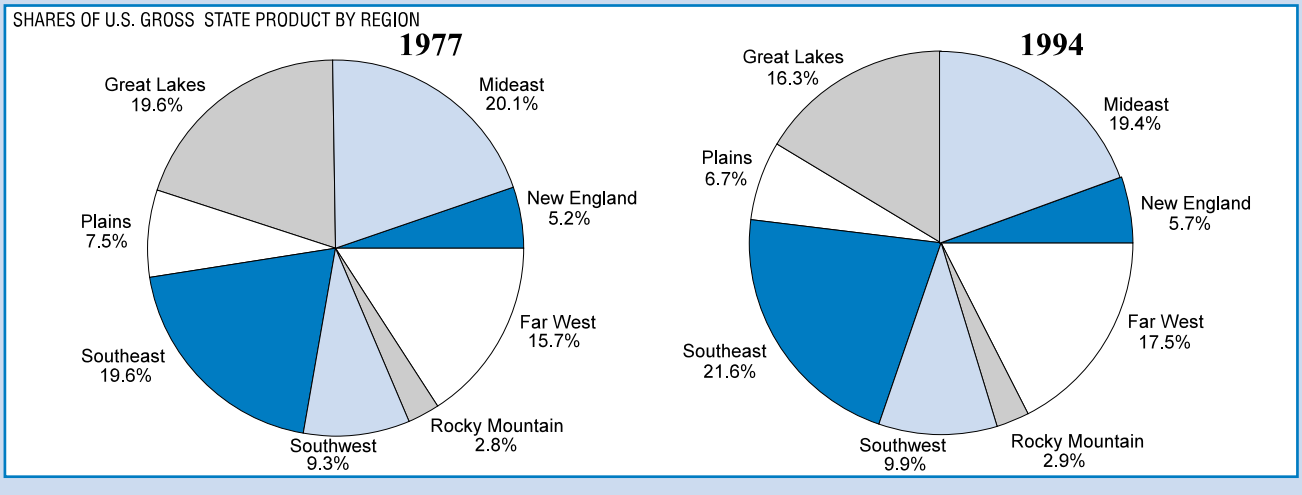
L. Charts

SELECTED REGIONAL ESTIMATES

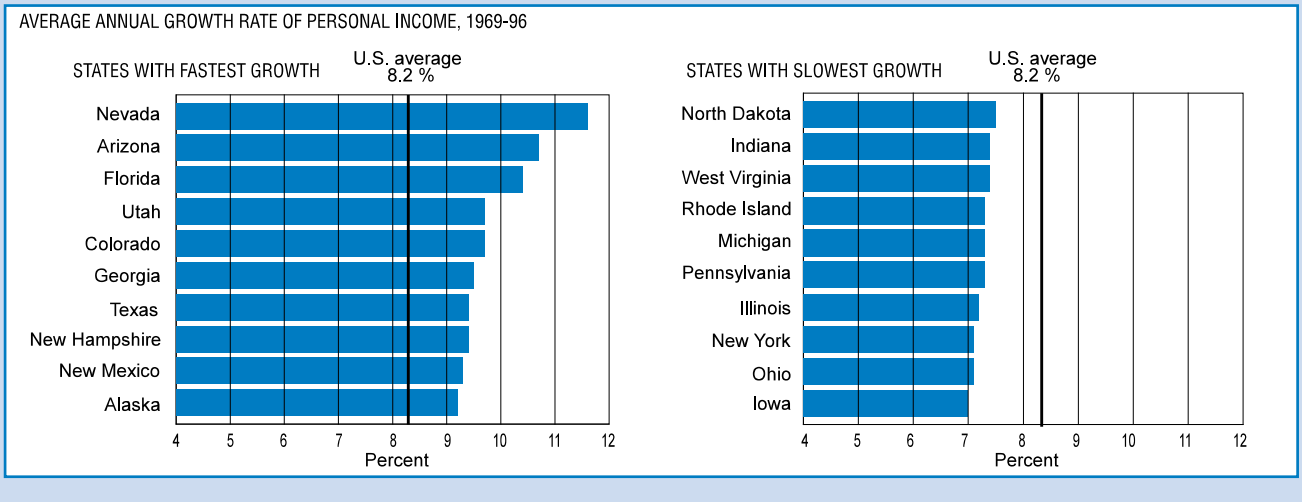
SHARES OF U.S. PERSONAL INCOME BY REGION



SHARES OF U.S. GROSS STATE PRODUCT BY REGION



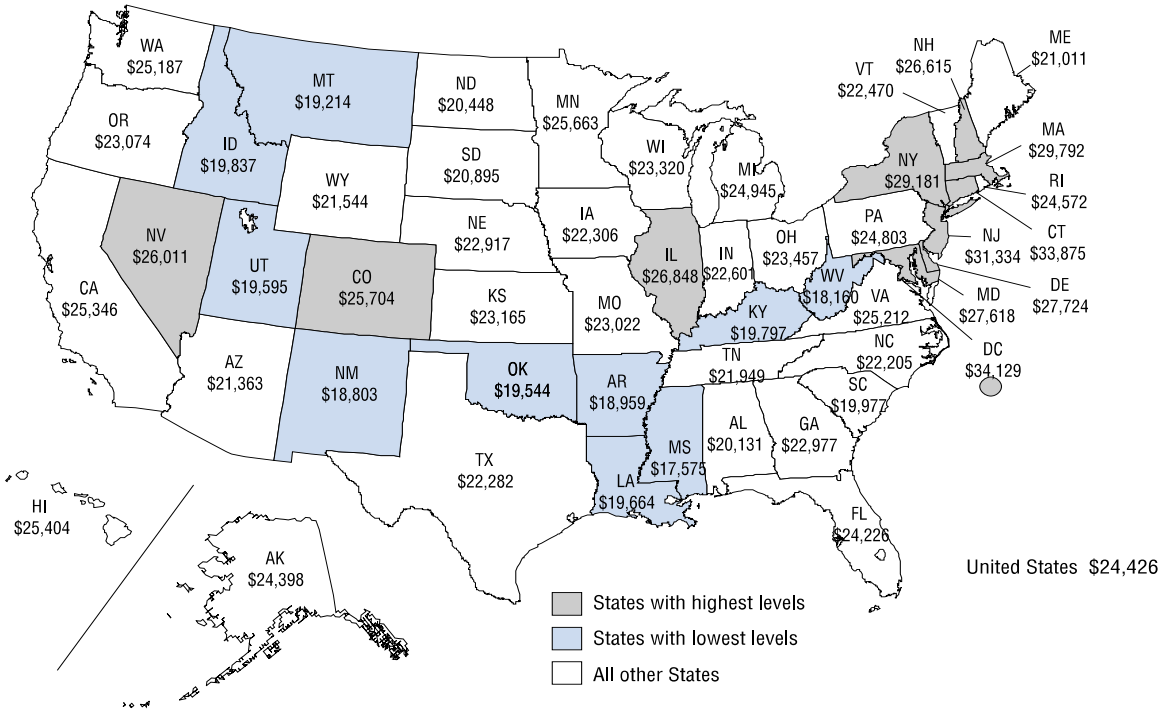
AVERAGE ANNUAL GROWTH RATE OF PERSONAL INCOME, 1969-96



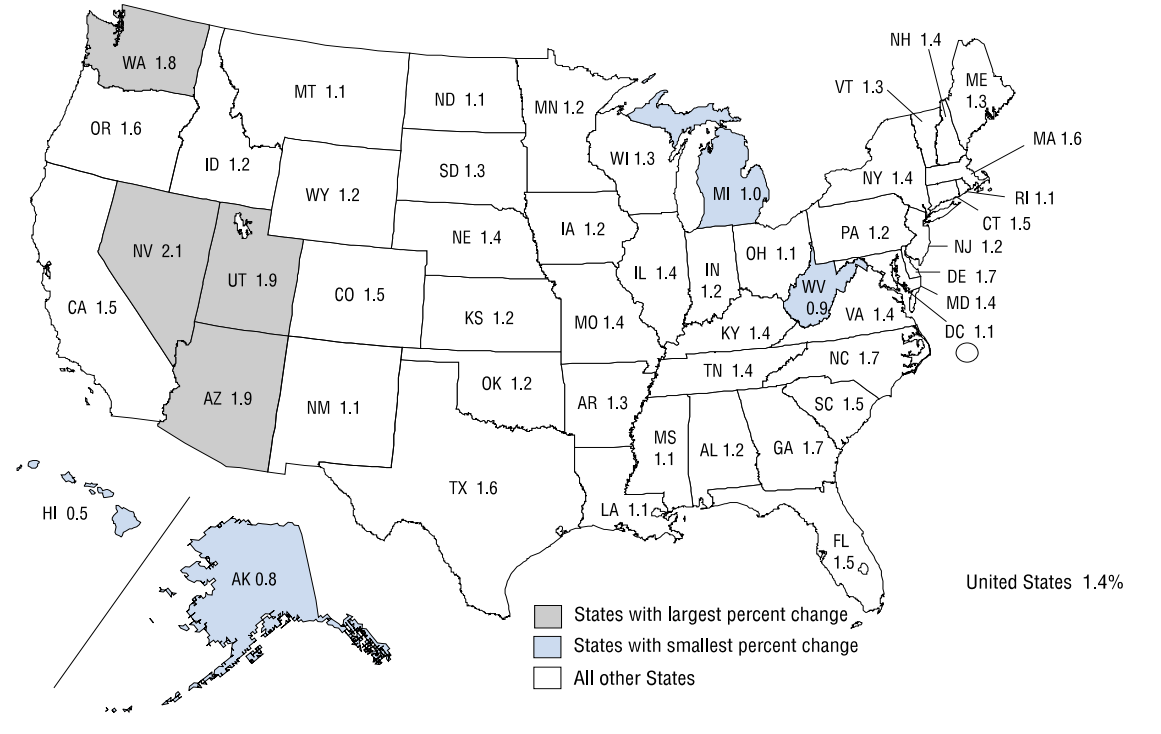
U.S. Department of Commerce, Bureau of Economic Analysis

SELECTED REGIONAL ESTIMATES

PER CAPITA PERSONAL INCOME, 1996



PERSONAL INCOME GROWTH: AVERAGE QUARTERLY PERCENT CHANGE, 1996:II-1997:II



U.S. Department of Commerce, Bureau of Economic Analysis

Appendix A
Additional Information About BEA's NIPA Estimates

Statistical Conventions

Changes in current-dollar GDP measure changes in the market value of goods and services produced in the economy in a particular period. For many purposes, it is necessary to decompose these changes into quantity and price components. To compute the quantity indexes, changes in the quantities of individual goods and services are weighted by their prices. (Quantity changes for GDP are often referred to as changes in "real GDP.") For the price indexes, changes in the prices for individual goods and services are weighted by quantities produced. (In practice, the current-dollar value and price indexes for most GDP components are determined largely using data from Federal Government surveys, and the real values of these components are calculated by deflation at the most detailed level for which all the required data are available.)

Except for the most recent period, the annual and quarterly changes in real GDP and prices are "chain-type" measures that are both based on the "Fisher Ideal" formula that incorporates weights from two adjacent years. For example, the 1992–93 percent change in real GDP uses prices for 1992 and 1993 as weights, and the 1992–93 percent change in price uses quantities for 1992 and 1993 as weights. Because the quantity and price index numbers calculated in this way are symmetric, the product of the annual change in real GDP and the annual change in prices equals the annual change in current-dollar GDP.

In the most recent period, a variant of the formula is used because only 1 year's information is available for computing the index number weights. Accordingly, BEA uses the prices and quantities from the two adjacent quarters as weights to calculate Fisher chain-type measures for those estimates. For example, the 1996:II–1996:III percent change in real GDP uses prices for 1996:II and 1996:III as weights, and the 1996:II–1996:III percent change in the GDP price index uses quantities for 1996:II and 1996:III as weights.

BEA also presents another measure, known as the "implicit price deflator," in the NIPA tables. The implicit price deflator is calculated as the ratio of current-dollar value to the corresponding chained-dollar value multiplied by 100.

In addition, BEA prepares measures of real GDP and its components in a dollar-denominated form, designated "*chained (1992) dollar estimates*." These estimates are computed by multiplying the 1992 current-dollar value of GDP, or of a GDP component, by the corresponding quantity index number. For example, if a current-dollar GDP component equaled $100 in 1992 and if real output for this component increased by 10 percent in 1993, then the "chained (1992) dollar" value of this component in 1993 would be $110 ($100 × 1.10). Note that percentage changes in the chained (1992) dollar estimates and the percentage changes calculated from the quantity indexes are identical, except for small differences due to rounding.

Because of the formula used for calculating real GDP, the chained (1992) dollar estimates for detailed GDP components *do not add* to the chained-dollar value of GDP or to any intermediate aggregates. A "*residual*" line is shown as the difference between GDP and the sum of the most detailed components shown in each table. The residual generally is small close to the base period but tends to become larger as one moves further from it. In cases where the residual is large, the table of contributions of the major components to the change in real GDP provides a better basis for determining the composition of GDP growth than the chained-dollar estimates.

For quarters and months, the estimates are presented at annual rates, which show the value that would be registered if the rate of activity measured for a quarter or a month were maintained for a full year. Annual rates are used so that time periods of different lengths—for example, quarters and years—may be compared easily. These annual rates are determined simply by multiplying the estimated rate of activity by 4 (for quarterly data) or 12 (for monthly data).

Percent changes in the estimates are also expressed at annual rates. Calculating these *changes* requires a variant of the compound interest formula:

$$r = \left[\left(\frac{X_t}{X_o} \right)^{m/n} - 1 \right] \times 100,$$

where r is the percent change at an annual rate;
X_t is the level of activity in the later period;
X_o is the level of activity in the earlier period;
m is the yearly periodicity of the data (for example, 1 for annual data, 4 for quarterly, or 12 for monthly); and
n is the number of periods between the earlier and later periods (that is, $t - o$).

Quarterly and monthly NIPA estimates are seasonally adjusted, if necessary. Seasonal adjustment removes from the time series the average impact of variations that normally occur at about the same time and in about the same magnitude each year—for example, weather, holidays, and tax payment dates. After seasonal adjustment, cyclical and other short-term changes in the economy stand out more clearly.

Reconciliation Tables

Table 1.—Reconciliation of Changes in BEA-Derived Compensation Per Hour with BLS Average Hourly Earnings

[Percent change from preceding period]

	Seasonally adjusted at annual rates							
	1994	1995	1996	1996		1997		
				III	IV	I	II r	III p
BEA-derived compensation per hour of all persons in the nonfarm business sector (less housing)	**1.8**	**2.4**	**3.2**	**2.9**	**3.3**	**4.5**	**3.3**	**4.0**
Less: Contribution of supplements to wages and salaries per hour	.1	–.6	–.6	–.5	–1.0	–.4	–.2	–.2
Plus: Contribution of wages and salaries per hour of persons in housing and in nonprofit institutions	0	0	–.1	0	–.4	.1	0	–.4
Less: Contribution of wages and salaries per hour of persons in government enterprises, unpaid family workers, and self-employed	0	.2	.1	.5	–.2	.1	0	.1
***Equals*: BEA-derived wages and salaries per hour of all employees in the private nonfarm sector**	**1.8**	**2.8**	**3.6**	**2.9**	**4.0**	**4.9**	**3.5**	**3.7**
Less: Contribution of wages and salaries per hour of nonproduction workers in manufacturing	.2	.1	–.2	–.3	–.3	–.3	–.1	–.1
Less: Other differences [1]	–1.0	–.1	.5	–.4	.5	1.1	.6	0
***Equals*: BLS average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls**	**2.6**	**2.9**	**3.3**	**3.7**	**3.9**	**4.2**	**3.0**	**3.8**
Addendum:								
BLS estimates of compensation per hour in the nonfarm business sector [2]	1.7	2.5	3.1	2.9	3.3	4.5	3.3	4.2

p Preliminary.
r Revised.
1. Includes BEA use of non-BLS data and differences in detailed weighting. Annual estimates also include differences in BEA and BLS benchmark procedures; quarterly estimates also include differences in seasonal adjustment procedures.
2. These estimates differ from the BEA-derived estimates (first line) because the BLS estimates include compensation and hours of tenant-occupied housing.

Table 2.—Relation of Net Exports of Goods and Services and Net Receipts of Factor Income in the National Income and Product Accounts (NIPA's) to Balance on Goods, Services, and Income in the Balance of Payments Accounts (BPA's)

[Billions of dollars]

	Line	1995	1996	Seasonally adjusted at annual rates					
				1996				1997	
				I	II	III	IV	I	II
Exports of goods, services, and income, BPA's	**1**	**991.5**	**1,055.2**	**1,025.5**	**1,049.3**	**1,047.9**	**1,098.2**	**1,118.1**	**1,170.9**
Less: Gold, BPA's	2	5.1	6.9	6.3	12.5	5.2	3.7	6.7	9.3
Statistical differences [1]	3	0	0	0	0	0	0	.6	.9
Other items	4	.9	1.1	.8	1.0	1.5	1.1	.8	.7
Plus: Adjustment for grossing of parent/affiliate interest payments	5	8.0	8.7	10.1	7.3	8.4	8.9	8.6	8.3
Adjustment for U.S. territories and Puerto Rico	6	33.3	34.0	33.2	34.1	33.6	34.9	35.4	36.5
Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans	7	14.5	15.3	14.3	14.8	15.9	16.3	16.5	17.0
***Equals*: Exports of goods and services and receipts of factor income, NIPA's**	**8**	**1,041.2**	**1,105.1**	**1,076.1**	**1,092.0**	**1,099.0**	**1,153.4**	**1,170.4**	**1,221.9**
Imports of goods, services, and income, BPA's	**9**	**1,086.5**	**1,163.4**	**1,115.4**	**1,156.9**	**1,183.5**	**1,198.0**	**1,243.2**	**1,290.8**
Less: Gold, BPA's	10	5.3	7.7	6.8	14.6	6.2	3.4	8.7	11.0
Statistical differences [1]	11	0	0	0	0	0	0	–3.4	–4.0
Other items	12	0	0	0	0	0	0	0	0
Plus: Gold, NIPA's	13	–3.6	–3.8	–3.4	–3.6	–4.0	–4.2	–3.6	–3.9
Adjustment for grossing of parent/affiliate interest payments	14	8.0	8.7	10.1	7.3	8.4	8.9	8.6	8.3
Adjustment for U.S. territories and Puerto Rico	15	21.9	22.4	21.6	22.3	22.4	23.4	24.1	26.1
Imputed interest paid to rest of world	16	14.5	15.3	14.3	14.8	15.9	16.3	16.5	17.0
***Equals*: Imports of goods and services and payments of factor income, NIPA's**	**17**	**1,122.0**	**1,198.3**	**1,151.4**	**1,183.0**	**1,219.9**	**1,238.8**	**1,283.5**	**1,331.3**
Balance on goods, services, and income, BPA's (1–9)	**18**	**–95.0**	**–108.2**	**–89.9**	**–107.6**	**–135.6**	**–99.8**	**–125.1**	**–119.9**
Less: Gold (2–10+13)	19	–3.8	–4.6	–3.9	–5.7	–5.0	–3.9	–5.6	–5.6
Statistical differences (3–11) [1]	20	0	0	0	0	0	0	4.0	4.9
Other items (4–12)	21	.9	1.1	.8	1.0	1.5	1.1	.8	.7
Plus: Adjustment for U.S. territories and Puerto Rico (6–15)	22	11.4	11.6	11.6	11.8	11.2	11.5	11.3	10.4
***Equals*: Net exports of goods and services and net receipts of factor income, NIPA's (8–17)**	**23**	**–80.8**	**–93.2**	**–75.3**	**–91.0**	**–120.9**	**–85.4**	**–113.1**	**–109.4**

1. Consists of statistical revisions in the NIPA's that have not yet been incorporated into the BPA's (1997:II) and statistical revisions in the BPA's that have not yet been incorporated into the NIPA's (1997:I-1997:II).

Appendix B
Suggested Reading

Mid-Decade Strategic Plan

BEA has published the following articles in the SURVEY OF CURRENT BUSINESS on the development and implementation of its strategic plan for improving the accuracy, reliability, and relevance of the national, regional, and international accounts.

"Mid-Decade Strategic Review of BEA's Economic Accounts: Maintaining and Improving Their Performance" (February 1995)*

"Mid-Decade Strategic Review of BEA's Economic Accounts: An Update" (April 1995)*

"BEA's Mid-Decade Strategic Plan: A Progress Report" (June 1996)*

Mid-Decade Strategic Review of BEA's Economic Accounts: Background Papers (1995) presents seven background papers that evaluate the state of the U.S. economic accounts and that identify the problems and the prospects for improving the accounts.

Methodology

BEA has published a wealth of information about the methodology used to prepare its national, regional, and international estimates.

National

National income and product accounts (NIPA's)

NIPA Methodology Papers: This series documents the conceptual framework of the NIPA's and the methodology used to prepare the estimates.

An Introduction to National Economic Accounting (NIPA Methodology Paper No. 1, 1985) [Also appeared in the March 1985 issue of the SURVEY]

Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends (NIPA Methodology Paper No. 2, 1985)

Foreign Transactions (NIPA Methodology Paper No. 3, 1987)

GNP: An Overview of Source Data and Estimating Methods (NIPA Methodology Paper No. 4, 1987) [Also appeared in the July 1987 issue of the SURVEY]

Government Transactions (NIPA Methodology Paper No. 5, 1988)

Personal Consumption Expenditures (NIPA Methodology Paper No. 6, 1990)

The methodologies described in these papers are subject to periodic improvements that are typically introduced as part of the annual and comprehensive revisions of the NIPA's; these improvements are described in the SURVEY articles that cover these revisions.

"Annual Revision of the U.S. National Income and Product Accounts": This series of SURVEY articles, the latest of which was published in the August 1997 issue,* describes the annual NIPA revisions and the improvements in methodology.

The most recent comprehensive revision of the NIPA's is described in the following series of SURVEY articles.

"Preview of the Comprehensive Revision of the National Income and Product Accounts: BEA's New Featured Measures of Output and Prices" (July 1995)*

"Preview of the Comprehensive Revision of the National Income and Product Accounts: Recognition of Government Investment and Incorporation of a New Methodology for Calculating Depreciation" (September 1995)*

"Preview of the Comprehensive Revision of the National Income and Product Accounts: New and Redesigned Tables" (October 1995)*

"Improved Estimates of the National Income and Product Accounts for 1959–95: Results of the Comprehensive Revision" (January/February 1996)*

"Completion of the Comprehensive Revision of the National Income and Product Accounts, 1929–96" (May 1997)*

"Updated Summary NIPA Methodologies" (September 1997 SURVEY)* identifies the principal source data and estimating methods that are used to prepare the estimates of gross domestic product (GDP).

Availability

For the availability of some of these publications, see the inside back cover of this issue. See also the *User's Guide to BEA Information*: To request a copy, write to the Public Information Office, BE–53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington DC 20230, call 202–606–9900, or visit BEA's Internet site at <http://www.bea.doc.gov>.

* Items with an asterisk can be found on BEA's Internet site at <http://www.bea.doc.gov>.

Information on the sources and methods used to prepare the national estimates of personal income, which provide the basis for the State estimates of personal income, can be found in *State Personal Income, 1929–93* (1995).*

"Gross Domestic Product as a Measure of U.S. Production" (August 1991 SURVEY) briefly explains the difference between GDP and gross national product.

The conceptual basis for the chain-type measures of real output and prices used in the NIPA's is described in the following SURVEY articles.

"Alternative Measures of Change in Real Output and Prices" (April 1992)*

"Economic Theory and BEA's Alternative Quantity and Price Indexes" (April 1992)*

"Alternative Measures of Change in Real Output and Prices, Quarterly Estimates for 1959–92" (March 1993)*

"Preview of the Comprehensive Revision of the National Income and Product Accounts: BEA's New Featured Measures of Output and Prices" (July 1995)*

"BEA's Chain Indexes, Time Series, and Measures of Long-Term Economic Growth" (May 1997)*

"Reliability and Accuracy of the Quarterly Estimates of GDP" (October 1993 SURVEY)* evaluates GDP estimates by examining the record of revisions in the quarterly estimates.

"A Look at How BEA Presents the NIPA's" (May 1996 SURVEY)* explains how to locate the NIPA estimates and some of the conventions used in their presentation.

Wealth and related estimates

"Improved Estimates of Fixed Reproducible Tangible Wealth, 1929–95" (May 1997 SURVEY)* describes the most recent revision of the estimates of fixed reproducible tangible wealth.

Gross product by industry

"Improved Estimates of Gross Product by Industry, 1959–94" (August 1996 SURVEY)* describes the most recent comprehensive revision of the estimates of gross product by industry.

"Gross Product by Industry, 1947–96" (November 1997 SURVEY)* presents the most recent revision to the estimates of gross product by industry and briefly describes changes in methodology.

Input-output accounts

"Benchmark Input-Output Accounts for the U.S. Economy, 1992" (November 1997 SURVEY)* describes the preparation of the 1992 input-output accounts and the concepts and methods underlying the U.S. input-output accounts.

International

Balance of payments accounts (BPA's)

The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures (1990) describes the methodologies used in preparing the estimates in the BPA's and of the international investment position of the United States. These methodologies are subject to periodic improvements that are typically introduced as part of the annual revisions of the BPA's.

"U.S. International Transactions, Revised Estimates": This series of SURVEY articles, the latest of which was published in the July 1997 issue,* describes the annual BPA revisions and the improvements in methodology.

Direct investment

The coverage, concepts, definitions, and classifications used in the benchmark surveys of U.S. direct investment abroad and of foreign direct investment in the United States are presented in the publications of the final results of the following benchmark surveys.

U.S. Direct Investment Abroad: 1989 Benchmark Survey, Final Results (1992)*

Foreign Direct Investment in the United States: 1992 Benchmark Survey, Final Results (1995)*

The types of data on direct investment that are collected and published by BEA and the clarifications of the differences between the data sets are presented in the following SURVEY articles.

"A Guide to BEA Statistics on U.S. Multinational Companies" (March 1995)*

"A Guide to BEA Statistics on Foreign Direct Investment in the United States" (February 1990)*

Regional

Personal income

State Personal Income, 1929–93 (1995)* includes a description of the methodology used to prepare the estimates of State personal income. [Also available on the CD-ROM "State Personal Income, 1958–96"]

Local Area Personal Income, 1969–92 (1994)* includes a description of the methodology used to prepare the estimates of local area personal income. [Also available on the CD-ROM "Regional Economic Information System, 1969–95"]

Gross state product

"Comprehensive Revision of Gross State Product by Industry, 1977–94" (June 1997 SURVEY)* summarizes the sources and methods for BEA's estimates of gross state product.

BEA INFORMATION

The economic information prepared by the Bureau of Economic Analysis (BEA) is available in news releases, in publications, on computer diskettes, on CD–ROM's, and on the Internet. For a description of these products in the free ***User's Guide to BEA Information***, write to the Public Information Office, BE–53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 606–9900. The ***User's Guide*** and other information are also available on BEA's home page at **http://www.bea.doc.gov**.

In addition, the following publications are available from the Superintendent of Documents of the Government Printing Office (GPO). To order, write to Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250–7954, call (202) 512–1800 or fax (202) 512–2250. Pay by check to the Superintendent of Documents or charge to a GPO deposit account, to VISA, or to MasterCard.

Benchmark Input-Output Accounts of the United States, 1987. (1994) Presents summary and detailed make and use tables for industries and commodities; tables showing commodity- and industry-output-require-ments per dollar of commodity demanded; and tables showing the input-output (I-O) commodity composition of personal consumption expenditures and producers' durable equipment expenditures in the national income and product accounts. Presents concepts and methods used in the 1987 benchmark accounts; concordance beween I-O and 1987 Standard Industrial Classification codes; description of the components of the measures of output, intermediate inputs, and value added; and mathematical derivation of total requirements tables. (468 pages) $29.00, stock no. 003–010–00251–4.

Regional Multipliers: A User Handbook for the Regional Input- Output Modeling System (RIMS II), Third Edition. (1997) This handbook describes the five types of RIMS II multipliers that are available for nearly 500 industries and for any county or for any group of counties. It details the information that the users need in order to effectively use the RIMS II multipliers to analyze the economic and industrial impact of public and private projects and programs on State and local areas. The handbook also includes case studies that illustrate the uses of the RIMS II multipliers and a description of the methodology that the Bureau of Economic Analysis uses to estimate the multipliers. (63 pages) $6.00, stock no. 003–010–00264–6.

State Personal Income, 1929–93. (1995) Presents detailed annual estimates for States and regions of personal income for 1929–93, including estimates of per capita personal income, personal income by major source, and earnings by industry. Also presents annual estimates of disposable personal income and per capita disposable personal income for 1948–93 and quarterly estimates of personal income for 1969–93. Provides information about the sources and methods used to prepare the estimates for 1987–93 and samples of all the detailed tables of personal income and employment that are available for regions, States, counties, and metropolitan areas. (444 pages) $27.00, stock no. 003–010–00257–3.

Foreign Direct Investment in the United States: 1992 Benchmark Survey, Final Results. (1995) Presents detailed data on the financial structure and operations of U.S. affiliates of foreign direct investors, on the foreign direct investment position in the United States, and on the balance-of-payments transactions between U.S. affiliates and their foreign parent companies in 1992. Includes data for items, such as employment covered by collective bargaining agreements and merchandise trade by product and country of destination and origin, that are only collected in benchmark surveys. Benchmark surveys are conducted every 5 years and are BEA's most comprehensive surveys in terms of both the number of companies covered and the amount of information gathered. The data are classified by industry of affiliate and by country of ultimate beneficial owner, and selected data are classified by State. Provides information about the coverage, the concepts and definitions, and the classifications used in the survey. (312 pages) $20.00, stock no. 003–010–00259–0.

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies. (1997) Two publications: One presents the revised estimates for 1994, and the other, the preliminary estimates for 1995 from BEA's annual surveys of the financial structure and operations of nonbank U.S. affiliates of foreign direct investors. The estimates are presented by industry of the U.S. affiliate and by country of the ultimate beneficial owner (UBO) and for selected estimates, by industry of UBO and by State. **Preliminary 1995 Estimates** (108 pages) $8.50, stock no. 003–010–00268–9; **Revised 1994 Estimates** (108 pages) $8.50, stock no. 003–010–00267–1.

Foreign Direct Investment in the United States: Establishment Data for 1992. (1997) This publication, which presents the results of a project by BEA and the Bureau of the Census, provides the most recently available data on the number, employment, payroll, and shipments or sales of foreign-owned U.S. establishments in more than 800 industries at the Standard Industrial Classification four-digit level and by State and by country of owner. Presents additional information—such as data on value added, employee benefits, hourly wage rates of production workers, and expenditures for plant and equipment—for manufacturing establishments. (364 pages) $28.00, stock no. 003–010–00265–4.

Foreign Direct Investment in the United States: Establishment Data for Manufacturing, 1991. (1994) A joint effort by BEA and the Bureau of the Census. Presents the most recently available data for foreign-owned U.S. manufacturing establishments (plants) by detailed industry (up to 459 industries), by State, and by country of investor. Includes data on the number of plants, value added, shipments, employment, total employee compensation, employee benefits, the hourly wage rates of production workers, the cost of materials and energy used, inventories by stage of fabrication, and expenditures for new plant and equipment. (220 pages) $14.00, stock no. 003–010–00250–6.

U.S. Direct Investment Abroad: 1994 Benchmark Survey, Preliminary Results. (1997) Presents preliminary results from the latest benchmark survey of the worldwide operations of U.S. multinational companies. Contains detailed 1994 data on the operations of U.S. parent companies and their foreign affiliates in 103 tables organized by country and by industry. (140 pages) $14.00, stock no. 003–010–00263–8.

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U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates, Preliminary 1995 Estimates. (1997) Provides revised results for 1995 from BEA's annual survey of the worldwide operations of U.S. multinational companies. Contains information on the financial structure and operations of U.S. parent companies and their foreign affiliates. Data are classified by country and industry of affiliate and by industry of U.S. parent. (116 pages) $9.00, stock no. 003–010–00270–1.

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