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## **GROSS DOMESTIC PRODUCT: THIRD QUARTER 2003 (PRELIMINARY) CORPORATE PROFITS: THIRD QUARTER 2003 (PRELIMINARY)**

Real gross domestic product -- the output of goods and services produced by labor and property located in the United States -- increased at an annual rate of 8.2 percent in the third quarter of 2003, according to preliminary estimates released by the Bureau of Economic Analysis. In the second quarter, real GDP increased 3.3 percent.

The GDP estimates released today are based on more complete source data than were available for the advance estimates issued last month. In the advance estimates, the increase in real GDP was 7.2 percent (see "Revisions" on page 3).

The major contributors to the increase in real GDP in the third quarter were personal consumption expenditures (PCE), equipment and software, exports, and residential fixed investment. Imports, which are a subtraction in the calculation of GDP, increased.

The Bureau of Economic Analysis plans to release the results of its 12<sup>th</sup> comprehensive (or benchmark) revision of the national income and product accounts (NIPAs) on December 10, 2003. An article in the June 2003 issue of the Survey of Current Business discussed the changes in definitions and concepts that will be implemented in the revision; an article in the August 2003 issue described changes in presentation, including new and redesigned tables; and an article in the September 2003 issue described changes in statistical methods. Information is available on BEA's Web site:

[www.bea.gov/bea/dn/2003benchmark/CR2003.htm](http://www.bea.gov/bea/dn/2003benchmark/CR2003.htm)

NOTE.--Quarterly estimates are expressed at seasonally adjusted annual rates, unless otherwise specified. Quarter-to-quarter dollar changes are differences between these published estimates. Percent changes are calculated from unrounded data and annualized. "Real" estimates are in chained (1996) dollars. Price indexes are chain-type measures.

This news release is available on BEA's Web site at <[www.bea.gov/bea/rels.htm](http://www.bea.gov/bea/rels.htm)>.

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The acceleration in real GDP growth in the third quarter primarily reflected an acceleration in PCE, an upturn in exports, a deceleration in imports, an upturn in private inventory investment, and accelerations in equipment and software and in residential fixed investment that were partly offset by a downturn in federal national defense spending.

Final sales of computers contributed 0.52 percentage point to the third-quarter change in real GDP after contributing 0.18 percentage point to the second-quarter change. Motor vehicle output increased in the third quarter and decreased in the second. Motor vehicle output contributed 1.19 percentage points to the third-quarter change in real GDP after subtracting 0.11 percentage point from the second-quarter change.

The price index for gross domestic purchases, which measures prices paid by U.S. residents, increased 1.8 percent in the third quarter, 0.1 percentage point less than the advance estimate; this index increased 0.4 percent in the second quarter. Excluding food and energy prices, the price index for gross domestic purchases increased 1.4 percent in the second quarter, compared with an increase of 0.8 percent in the first.

Real personal consumption expenditures increased 6.4 percent in the third quarter, compared with an increase of 3.8 percent in the second. Real nonresidential fixed investment increased 14.0 percent, compared with an increase of 7.3 percent. Nonresidential structures increased 0.2 percent, compared with an increase of 4.2 percent. Equipment and software increased 18.4 percent, compared with an increase of 8.3 percent. Real residential fixed investment increased 22.7 percent, compared with an increase of 6.6 percent.

Real exports of goods and services increased 11.0 percent in the third quarter, in contrast to a decrease of 1.0 percent in the second. Real imports of goods and services increased 1.5 percent, compared with an increase of 8.8 percent.

Real federal government consumption expenditures and gross investment decreased 0.4 percent in the third quarter, in contrast to an increase of 25.5 percent in the second. National defense decreased 1.6 percent, in contrast to an increase of 45.8 percent. Nondefense increased 2.2 percent, in contrast to a decrease of 5.4 percent. Real state and local government consumption expenditures and gross investment increased 2.3 percent, in contrast to a decrease of 0.2 percent.

The real change in private inventories added 0.16 percentage point to the third-quarter change in real GDP, after subtracting 0.74 percentage point from the second-quarter change. Private businesses reduced inventories \$14.1 billion in the third quarter, following a decrease of \$17.6 billion in the second quarter and an increase of \$4.8 billion in the first.

Real final sales of domestic product -- GDP less change in private inventories -- increased 8.0 percent in the third quarter, compared with an increase of 4.0 percent in the second.

### **Gross domestic purchases**

Real gross domestic purchases -- purchases by U.S. residents of goods and services wherever produced -- increased 7.0 percent in the third quarter, compared with an increase of 4.4 percent in the second.

### **Gross national product**

Real gross national product -- the goods and services produced by the labor and property supplied by U.S. residents -- increased 8.1 percent in the third quarter, compared with an increase of 3.5 percent in the second. GNP includes, and GDP excludes, net receipts of income from the rest of the world, which decreased \$3.0 billion in the third quarter after increasing \$5.9 billion in the second; in the third quarter, receipts increased \$5.1 billion, and payments increased \$8.1 billion.

### **Current-dollar GDP**

Current-dollar GDP -- the market value of the nation's output of goods and services -- increased 10.0 percent, or \$260.7 billion, in the third quarter to a level of \$11,063.4 billion. In the second quarter, current-dollar GDP increased 4.3 percent, or \$114.3 billion.

### **Revisions**

The preliminary estimate of the third-quarter increase in real GDP is 1.0 percentage point, or \$24.0 billion, higher than the advance estimate issued last month. The upward revision to the percentage change in real GDP primarily reflected upward revisions to private inventory investment, to equipment and software, to exports, to state and local government spending, and to residential fixed investment that were partly offset by an upward revision to imports.

	<u>Advance</u>	<u>Preliminary</u>
	(Percent change from preceding quarter)	
Real GDP.....	7.2	8.2
Current-dollar GDP.....	9.0	10.0
Gross domestic purchases price index...	1.9	1.8

### **Corporate Profits**

Profits from current production (corporate profits with inventory valuation and capital consumption adjustments) increased \$105.5 billion in the third quarter. In the second quarter, profits increased \$80.6 billion. Current-production cash flow (net cash flow with inventory valuation and capital consumption adjustments) -- the internal funds available to corporations for investment -- increased \$71.3 billion in the third quarter, compared with an increase of \$70.8 billion in the second.

Domestic profits of financial corporations increased \$20.3 billion in the third quarter, compared with an increase of \$8.4 billion in the second.

Domestic profits of nonfinancial corporations increased \$83.8 billion in the third quarter, compared with an increase of \$70.5 billion in the second. In the third quarter, both real gross corporate product and profits per unit of real product increased. The increase in unit profits reflected an increase in the prices corporations received and a decrease in unit costs; both unit labor and nonlabor costs decreased.

The rest-of-the-world component of profits increased \$1.4 billion in the third quarter, compared with an increase of \$1.7 billion in the second. This measure 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. corporations to unaffiliated foreign residents. The third-quarter increase was accounted for by a larger increase in receipts than in payments.

Profits before tax with inventory valuation adjustment is the best available measure of industry profits because estimates of the capital consumption adjustment by industry do not exist. This measure reflects the depreciation-accounting practices used for federal income tax returns. According to this measure, domestic profits of both financial and nonfinancial corporations increased. The increase in the profits of nonfinancial corporations was widespread among major industry groups with the largest increases occurring in the transportation and utilities group, nondurable manufacturing, and wholesale trade.

The patterns of profits before tax and of profits tax liability for the second and third quarters reflect the timing of provisions of the Jobs and Growth Tax Relief Reconciliation Act of 2003. The before-tax measure of profits does not reflect, as does profits from current production, the capital consumption and inventory valuation adjustments. These adjustments convert depreciation of fixed assets and inventory withdrawals reported on a tax-return, historical-cost basis to the current-cost measures used in the national income and product accounts. (For more information, see “The Business Situation” in the October issue of the Survey of Current Business.)

Profits before tax increased \$78.2 billion in the third quarter, in contrast to a decrease of \$27.9 billion in the second. The capital consumption adjustment increased \$30.9 billion in the third quarter (from \$199.0 billion to \$229.9 billion), compared with an increase of \$83.7 billion in the second. The inventory valuation adjustment decreased \$3.4 billion (from -\$2.2 billion to -\$5.6 billion), in contrast to an increase of \$24.7 billion.

Profits tax liability increased \$28.6 billion in the third quarter, in contrast to a decrease of \$3.5 billion in the second. Profits after tax increased \$49.5 billion, in contrast to a decrease of \$24.3 billion. Dividends increased \$7.5 billion, compared with an increase of \$7.9 billion; undistributed profits increased \$42.0 billion, in contrast to a decrease of \$32.2 billion.

BEA's major national, international, regional, and industry estimates; the Survey of Current Business; and BEA news releases are available without charge on BEA's Web site:

<[www.bea.gov](http://www.bea.gov)>

Summary BEA estimates are available on recorded messages at the time of public release at the following telephone numbers:

(202) 606-5306	Gross domestic product
(202) 606-5303	Personal income and outlays
(202) 606-5362	U.S. international transactions

Most of BEA's estimates and analyses are published in the Survey of Current Business, BEA's monthly journal. Subscriptions and single copies of the printed Survey are for sale by the Superintendent of Documents, U.S. Government Printing Office. Internet: <[bookstore.gpo.gov](http://bookstore.gpo.gov)>; phone: 202-512-1800; fax: 202-512-2250; mail: Stop SSOP, Washington, DC 20402-0001.

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Next release -- December 23, 2003, at 8:30 A.M. EST for:  
Gross Domestic Product: Third Quarter 2003 (Final)  
Corporate Profits: Third Quarter 2003 (Revised)

### Release dates in 2004

#### Gross domestic product

	<u>2003: IV and 2002 annual</u>	<u>2004:I</u>	<u>2004:II</u>	<u>2004:III</u>
Advance.....	January 30	April 29	July 30	October 29
Preliminary..	February 27	May 27	August 27	November 30
Final.....	March 25	June 25	September 29	December 22

#### Corporate Profits

Preliminary..	....	May 27	August 27	November 30
Final.....	March 25	June 25	September 29	December 22









Table 5.—Quantity and Price Indexes for Gross Domestic Product

[Index numbers, 1996=100]

	2000	2001	2002	Seasonally adjusted				
				2002		2003		
				III	IV	I	II	III <sup>r</sup>
<b>Gross domestic product:</b>								
Chain-type quantity index .....	117.64	117.94	120.82	121.41	121.82	122.26	123.25	125.70
Chain-type price index .....	106.89	109.42	110.66	110.76	111.25	111.90	112.18	112.65
Implicit price deflator .....	106.89	109.42	110.66	110.76	111.25	111.90	112.18	112.65
<b>Personal consumption expenditures:</b>								
Chain-type quantity index .....	118.83	121.76	125.56	126.20	126.74	127.37	128.57	130.57
Chain-type price index .....	107.39	109.56	111.06	111.36	111.87	112.62	112.84	113.49
<b>Durable goods:</b>								
Chain-type quantity index .....	142.58	151.16	162.19	167.47	163.92	163.08	172.19	182.60
Chain-type price index .....	91.46	89.70	87.19	86.94	86.46	85.64	84.82	84.03
<b>Nondurable goods:</b>								
Chain-type quantity index .....	116.50	118.79	122.58	122.35	123.88	125.72	126.14	128.47
Chain-type price index .....	107.59	109.17	109.61	109.92	110.25	111.51	110.96	111.96
<b>Services:</b>								
Chain-type quantity index .....	115.67	117.98	120.63	121.01	121.66	121.92	122.35	122.98
Chain-type price index .....	110.85	114.32	117.44	117.88	118.74	119.64	120.57	121.44
<b>Private fixed investment:</b>								
Chain-type quantity index .....	139.52	134.20	130.06	129.60	130.99	130.94	133.20	138.45
Chain-type price index .....	100.00	101.16	100.76	100.52	100.95	101.44	101.21	101.39
<b>Nonresidential:</b>								
Chain-type quantity index .....	147.23	139.55	131.57	131.05	131.79	130.32	132.64	137.06
Chain-type price index .....	95.59	95.73	94.43	94.17	94.25	94.15	93.80	93.85
<b>Residential:</b>								
Chain-type quantity index .....	118.88	119.22	123.92	123.59	126.39	129.45	131.53	138.44
Chain-type price index .....	114.40	119.09	121.57	121.38	122.88	125.10	125.23	125.80
<b>Exports of goods and services:</b>								
Chain-type quantity index .....	130.09	123.10	121.13	123.28	121.44	121.04	120.75	123.94
Chain-type price index .....	96.83	96.10	95.87	96.41	96.62	97.55	97.75	98.16
<b>Imports of goods and services:</b>								
Chain-type quantity index .....	159.48	154.91	160.66	162.56	165.48	162.84	166.30	166.92
Chain-type price index .....	95.49	92.70	92.99	94.05	94.27	96.92	95.97	96.65
<b>Government consumption expenditures and gross investment:</b>								
Chain-type quantity index .....	111.29	115.36	120.46	120.65	122.02	122.14	124.66	125.06
Chain-type price index .....	110.65	113.27	115.18	115.47	115.92	118.15	118.04	118.33
<b>Federal:</b>								
Chain-type quantity index .....	102.42	107.33	115.37	115.71	118.79	118.99	125.94	125.82
Chain-type price index .....	108.23	110.09	113.11	113.44	113.53	116.23	116.48	116.77
<b>State and local:</b>								
Chain-type quantity index .....	116.52	120.11	123.51	123.62	123.99	124.06	124.00	124.71
Chain-type price index .....	111.98	115.01	116.33	116.60	117.24	119.21	118.88	119.18
<b>Addenda:</b>								
<b>Final sales of domestic product:</b>								
Chain-type quantity index .....	117.19	118.95	121.09	121.51	121.84	122.52	123.74	126.15
Chain-type price index .....	107.02	109.55	110.80	110.91	111.40	112.08	112.36	112.83
Implicit price deflator .....	107.02	109.55	110.80	110.91	111.40	112.08	112.36	112.82
<b>Gross domestic purchases:</b>								
Chain-type quantity index .....	121.00	121.50	125.15	125.72	126.62	126.81	128.19	130.38
Chain-type price index .....	106.58	108.65	109.90	110.11	110.59	111.53	111.62	112.13
Implicit price deflator .....	106.58	108.65	109.91	110.11	110.59	111.53	111.63	112.13
<b>Final sales to domestic purchasers:</b>								
Chain-type quantity index .....	120.56	122.52	125.43	125.84	126.65	127.09	128.69	130.84
Chain-type price index .....	106.70	108.78	110.04	110.25	110.73	111.70	111.79	112.30
Implicit price deflator .....	106.70	108.78	110.04	110.25	110.73	111.70	111.79	112.30
<b>Gross national product:</b>								
Chain-type quantity index .....	117.69	117.96	120.46	121.03	121.46	121.88	122.94	125.36
Chain-type price index .....	106.86	109.39	110.63	110.73	111.22	111.88	112.16	112.63
Implicit price deflator .....	106.86	109.38	110.63	110.73	111.22	111.88	112.16	112.63

<sup>r</sup> revised  
See "Explanatory Note" at the end of the tables.

Table 6.—Real Gross Domestic Product: Historical Perspective

[Percent change from preceding year]

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
<b>Gross domestic product (GDP)</b> .....	3.4	4.2	3.5	1.8	-0.5	3.0	2.7	4.0	2.7	3.6	4.4	4.3	4.1	3.8	0.3	2.4
<b>Personal consumption expenditures</b> .....	3.3	4.0	2.7	1.8	-2	2.9	3.4	3.8	3.0	3.2	3.6	4.8	4.9	4.4	2.5	3.1
Durable goods .....	1.7	5.8	2.1	-9	-6.6	5.3	8.2	7.6	4.6	5.6	6.6	10.5	11.8	8.2	6.0	7.3
Nondurable goods .....	2.4	3.2	2.7	1.4	-4	1.9	2.9	3.8	3.0	2.9	2.9	4.1	4.7	3.9	2.0	3.2
Services .....	4.3	4.1	2.8	2.8	1.4	2.9	2.7	3.0	2.7	2.8	3.3	4.0	3.7	3.8	2.0	2.2
<b>Gross private domestic investment</b> .....	2.5	2.7	3.7	-3.1	-8.6	8.5	8.7	13.2	3.0	9.0	12.1	11.8	6.6	6.2	-10.7	1.0
Fixed investment .....	0	3.6	2.7	-1.8	-6.9	6.5	8.1	9.1	6.0	9.3	9.6	11.4	7.8	6.1	-3.8	-3.1
Nonresidential .....	-1	5.4	5.5	.7	-4.9	3.4	8.4	8.9	9.8	10.0	12.2	12.5	8.1	7.8	-5.2	-5.7
Structures .....	-3.6	1.3	2.5	1.5	-11.0	-6.1	.8	.8	4.8	7.1	9.1	6.8	-1.3	6.5	-1.7	-16.4
Equipment and software .....	1.7	7.5	7.0	.4	-2.0	7.4	11.3	11.9	11.5	11.0	13.3	14.6	11.5	8.2	-6.4	-1.7
Residential .....	.2	-5	-4.1	-8.6	-12.8	16.3	7.3	9.7	-3.6	7.4	2.0	8.0	6.7	1.1	.3	3.9
Change in private inventories .....																
<b>Net exports of goods and services</b> .....																
Exports .....	11.2	16.1	11.8	8.7	6.5	6.2	3.3	8.9	10.3	8.2	12.3	2.1	3.4	9.7	-5.4	-1.6
Goods .....	11.1	18.8	12.6	8.2	7.1	6.8	3.0	9.7	11.9	8.7	14.5	2.1	3.8	11.3	-5.9	-3.6
Services .....	11.6	9.3	9.6	10.0	5.1	4.6	4.1	7.2	6.4	6.8	7.0	2.3	2.5	6.0	-4.0	3.2
Imports .....	6.1	3.8	3.9	3.8	-5	6.6	9.1	12.0	8.2	8.6	13.7	11.8	10.9	13.2	-2.9	3.7
Goods .....	4.6	4.1	4.2	3.0	-1	9.3	10.1	13.3	9.0	9.4	14.2	11.7	12.2	13.5	-3.3	3.9
Services .....	12.6	2.7	2.8	7.6	-2.3	-4.0	4.7	5.8	4.1	4.8	10.9	11.9	4.2	11.6	-5	2.1
<b>Government consumption expenditures and gross investment</b> .....	3.0	1.2	2.8	3.3	1.2	.5	-8	.1	5	1.1	2.4	1.9	3.9	2.7	3.7	4.4
Federal .....	3.7	-1.8	1.3	2.0	-3	-1.6	-3.9	-3.6	-2.7	-9	-4	-8	2.3	1.3	4.8	7.5
National defense .....	4.7	-8	-8	0	-1.1	-4.9	-5.4	-4.8	-3.7	-1.3	-2.6	-1.8	2.1	-1	5.0	9.3
Nondefense .....	.5	-5.2	8.4	8.3	1.8	7.1	-3	-1.0	-5	0	4.2	1.1	2.7	3.6	4.5	4.3
State and local .....	2.3	3.7	3.9	4.2	2.3	2.0	1.4	2.6	2.5	2.3	4.0	3.4	4.7	3.5	3.1	2.8
<b>Addenda:</b>																
Final sales of domestic product .....	3.0	4.3	3.3	2.0	-2	2.8	2.6	3.4	3.1	3.6	4.0	4.2	4.3	3.7	1.5	1.8
Gross domestic purchases .....	3.1	3.2	2.9	1.4	-1.1	3.1	3.3	4.4	2.5	3.7	4.7	5.4	5.0	4.4	.4	3.0
Final sales to domestic purchasers .....	2.7	3.4	2.7	1.6	-9	2.8	3.2	3.8	3.0	3.7	4.3	5.3	5.2	4.3	1.6	2.4
Gross national product .....	3.3	4.2	3.5	1.9	-5	3.0	2.6	3.9	2.7	3.5	4.3	4.2	4.4	3.7	.2	2.1
Real disposable personal income .....	2.1	4.4	2.6	2.2	.4	3.1	1.4	2.6	2.6	2.5	3.1	5.4	2.6	4.8	1.8	4.2
Gross domestic purchases price index .....	3.3	3.4	3.8	4.1	3.4	2.5	2.3	2.0	2.2	1.8	1.6	.8	1.5	2.5	1.9	1.2
GDP price index .....	3.0	3.4	3.8	3.9	3.6	2.4	2.4	2.1	2.2	1.9	1.9	1.2	1.4	2.1	2.4	1.1
Personal consumption expenditures price index .....	3.8	3.9	4.4	4.6	3.8	3.1	2.4	2.0	2.3	2.1	1.9	1.1	1.6	2.5	2.0	1.4

Table 7.—Real Gross Domestic Product: Percent Change From Quarter One Year Ago

	1999	2000				2001				2002				2003		
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III <sup>r</sup>
<b>Gross domestic product (GDP)</b> .....	4.3	4.2	4.9	3.7	2.3	1.5	-0.1	-0.4	0.1	1.4	2.2	3.3	2.9	2.0	2.5	3.5
<b>Personal consumption expenditures</b> .....	5.0	5.1	4.5	4.3	3.5	2.8	2.4	1.8	2.8	3.0	3.1	3.8	2.7	2.4	2.9	3.5
Durable goods .....	10.0	13.1	8.4	7.8	3.8	2.4	4.7	3.8	13.2	8.4	7.5	11.9	1.9	3.0	8.2	9.0
Nondurable goods .....	4.9	4.2	4.3	4.1	3.0	3.0	1.7	1.5	1.7	3.1	3.1	3.1	3.4	3.0	3.4	5.0
Services .....	4.0	4.0	3.8	3.6	3.8	2.8	2.3	1.6	1.3	1.8	2.1	2.5	2.5	2.0	1.7	1.6
<b>Gross private domestic investment</b> .....	6.6	5.3	11.0	6.4	2.2	-3.8	-11.9	-11.7	-15.1	-6.5	0	2.3	8.9	3.0	1.5	4.9
Fixed investment .....	5.9	7.3	7.1	5.7	4.3	.5	-4.0	-5.1	-6.7	-6.3	-3.7	-2.7	.6	.7	2.7	6.8
Nonresidential .....	6.6	8.3	8.9	7.8	6.2	1.1	-5.1	-7.4	-9.3	-9.4	-6.3	-5.1	-1.7	-1.4	1.0	4.6
Structures .....	-2.5	1.8	5.2	10.0	9.3	5.0	.8	-1.4	-10.6	-13.3	-15.6	-21.1	-15.9	-13.2	-8.0	-2.2
Equipment and software .....	9.7	10.5	10.1	7.2	5.2	-2	-7.1	-9.5	-8.8	-8.0	-2.9	1.1	3.3	2.7	4.0	6.7
Residential .....	4.0	4.1	2.1	-6	-1.2	-1.2	-6	2.0	1.0	2.4	3.2	3.4	6.7	5.7	6.7	12.0
Change in private inventories .....																
<b>Net exports of goods and services</b> .....																
Exports .....	4.9	8.8	11.4	11.6	7.3	3.7	-3.1	-10.1	-11.4	-9.3	-3.0	2.8	3.9	2.7	-9	5
Goods .....	5.6	9.9	12.8	14.3	8.3	4.9	-3.3	-12.1	-12.3	-11.7	-4.3	1.8	.8	2.1	-2.0	-8
Services .....	3.2	6.1	8.1	5.3	4.8	.7	-2.6	-4.7	-9.2	-3.1	0	5.3	11.4	3.9	1.4	3.7
Imports .....	11.9	13.5	14.3	14.1	11.1	5.2	-1.0	-7.1	-8.0	-4.1	2.6	6.7	10.1	6.2	3.1	2.7
Goods .....	13.0	13.9	14.7	14.3	11.1	5.1	-2.1	-7.5	-7.9	-4.8	3.8	7.3	9.9	7.0	3.9	2.6
Services .....	5.9	10.9	11.6	13.0	10.9	5.9	5.7	-4.5	-8.6	-1.4	-3.9	3.4	11.5	2.3	-2	2.9
<b>Government consumption expenditures and gross investment</b> .....	4.5	3.5	3.9	2.3	1.3	3.0	3.3	3.2	5.1	5.0	4.0	5.0	3.6	2.3	4.1	3.7
Federal .....	4.0	1.2	4.4	.7	-1.2	4.7	2.4	4.6	7.5	6.9	7.3	8.1	7.5	5.8	10.0	8.7
National defense .....	4.4	0	3.7	-1.3	-2.5	5.2	2.2	5.1	7.4	8.2	9.5	10.1	9.3	5.5	13.7	11.4
Nondefense .....	3.4	3.4	5.7	4.2	1.1	3.9	2.6	3.9	7.6	4.7	3.5	4.7	4.4	6.4	3.2	3.9
State and local .....	4.8	4.6	3.6	3.2	2.6	2.2	3.7	2.5	3.9	4.1	2.3	3.4	1.6	.5	.9	.9
<b>Addenda:</b>																
Final sales of domestic product .....	4.2	4.5	4.2	3.6	2.6	2.2	1.4	.9	1.6	1.5	1.6	2.5	1.7	1.7	2.7	3.8
Gross domestic purchases .....	5.2	4.9	5.5	4.3	2.9	1.7	.1	-3	.1	1.8	2.8	3.7	3.7	2.5	2.9	3.7
Final sales to domestic purchasers .....	5.1	5.2	4.8	4.2	3.3	2.5	1.5	.9	1.6	1.8	2.2	3.0	2.5	2.1	3.1	4.0
Gross national product .....	4.7	4.2	4.9	3.7	2.2	1.3	-1	-4	.1	1.4	1.7	3.0	2.5	1.9	2.7	3.6
Real disposable personal income .....	2.4	3.8	4.9	5.6	4.8	2.7	1.3	2.8	.3	3.8	5.0	2.8	5.2	2.1	1.8	3.2
Gross domestic purchases price index .....	1.9	2.5	2.5	2.6	2.5	2.4	2.3	1.7	1.3	.8	.9	1.3	1.6	2.2	1.7	1.8
GDP price index .....	1.6	1.9	2.1	2.2	2.3	2.4	2.5	2.6	2.0	1.4	1.1	.8	1.3	1.6	1.5	1.7
Personal consumption expenditures price index .....	2.0	2.6	2.6	2.5	2.5	2.5	2.4	1.8	1.5	.9	1.1	1.6	1.8	2.3	1.8	1.9

<sup>r</sup> revised

**Table 8.—Relation of Gross Domestic Product, Gross National Product, and National Income**

[Billions of dollars]

	2000	2001	2002	Seasonally adjusted at annual rates				
				2002		2003		
				III	IV	I	II	III <sup>r</sup>
<b>Gross domestic product</b> .....	<b>9,824.6</b>	<b>10,082.2</b>	<b>10,446.2</b>	<b>10,506.2</b>	<b>10,588.8</b>	<b>10,688.4</b>	<b>10,802.7</b>	<b>11,063.4</b>
Plus: Income receipts from the rest of the world .....	383.4	316.9	278.0	287.3	284.2	281.3	282.4	289.5
Less: Income payments to the rest of the world .....	360.0	295.0	287.6	298.2	293.4	291.5	286.0	296.2
<b>Equals: Gross national product</b> .....	<b>9,848.0</b>	<b>10,104.1</b>	<b>10,436.7</b>	<b>10,495.3</b>	<b>10,579.7</b>	<b>10,678.2</b>	<b>10,799.1</b>	<b>11,056.7</b>
Less: Consumption of fixed capital .....	1,228.9	1,329.3	1,393.5	1,405.3	1,415.4	1,421.4	1,418.4	1,424.7
Less: Indirect business tax and nontax liability .....	753.6	774.8	800.4	806.9	813.3	821.7	833.6	846.3
Less: Business transfer payments .....	43.7	42.5	44.1	44.4	44.3	44.9	44.8	45.5
Less: Statistical discrepancy .....	-128.5	-117.3	-108.8	-82.1	-78.2	-74.6	-69.8	-18.5
Plus: Subsidies less current surplus of government enterprises .....	34.1	47.3	32.5	29.1	29.0	30.7	45.9	37.5
<b>Equals: National income</b> .....	<b>7,984.4</b>	<b>8,122.0</b>	<b>8,340.1</b>	<b>8,349.9</b>	<b>8,413.9</b>	<b>8,495.5</b>	<b>8,618.0</b>	<b>8,796.1</b>
Compensation of employees .....	5,723.4	5,874.9	5,969.5	5,988.4	6,017.4	6,064.5	6,094.5	6,131.0
Wage and salary accruals .....	4,836.3	4,950.6	4,996.4	5,007.4	5,023.1	5,055.2	5,077.8	5,107.6
Supplements to wages and salaries .....	887.1	924.3	973.1	981.0	994.3	1,009.2	1,016.8	1,023.4
Proprietors' income with inventory valuation and capital consumption adjustments .....	714.8	727.9	756.5	758.7	771.6	784.4	804.5	834.3
Rental income of persons with capital consumption adjustment .....	146.6	137.9	142.4	144.1	130.6	126.9	115.3	121.0
Corporate profits with inventory valuation and capital consumption adjustments .....	788.1	731.6	787.4	771.0	796.1	816.5	897.1	1,002.6
Net interest .....	611.5	649.8	684.2	687.6	698.3	703.3	706.6	707.1
<b>Addendum:</b>								
Gross domestic income .....	9,953.1	10,199.4	10,555.1	10,588.3	10,667.0	10,763.0	10,872.5	11,081.9

r revised

**Table 9.—Personal Income and Its Disposition**

[Billions of dollars]

	2000	2001	2002	Seasonally adjusted at annual rates				
				2002		2003		
				III	IV	I	II	III <sup>r</sup>
<b>Personal income</b> <sup>1</sup> .....	<b>8,406.6</b>	<b>8,685.3</b>	<b>8,922.2</b>	<b>8,958.9</b>	<b>9,012.5</b>	<b>9,080.2</b>	<b>9,156.0</b>	<b>9,248.6</b>
Wage and salary disbursements .....	4,836.3	4,950.6	4,996.4	5,007.4	5,023.1	5,053.8	5,079.2	5,107.6
Other labor income .....	544.2	570.4	610.6	617.5	630.2	639.2	645.0	649.7
Proprietors' income with inventory valuation and capital consumption adjustments .....	714.8	727.9	756.5	758.7	771.6	784.4	804.5	834.3
Farm .....	22.6	19.0	12.9	10.7	11.7	14.2	15.4	20.4
Nonfarm .....	692.2	708.8	743.7	748.0	759.9	770.2	789.1	814.0
Rental income of persons with capital consumption adjustment .....	146.6	137.9	142.4	144.1	130.6	126.9	115.3	121.0
Personal dividend income .....	375.7	409.2	433.8	437.3	443.8	451.2	459.0	466.5
Personal interest income .....	1,077.0	1,091.3	1,078.5	1,080.7	1,080.9	1,075.8	1,081.5	1,082.0
Transfer payments to persons .....	1,070.3	1,170.4	1,288.0	1,298.4	1,319.1	1,340.8	1,365.6	1,383.8
Less: Personal contributions for social insurance .....	358.4	372.3	384.0	385.3	386.8	391.9	394.0	396.4
Less: Personal tax and nontax payments .....	1,286.4	1,292.1	1,111.9	1,099.0	1,090.1	1,073.6	1,082.6	982.5
<b>Equals: Disposable personal income</b> .....	<b>7,120.2</b>	<b>7,393.2</b>	<b>7,810.3</b>	<b>7,859.9</b>	<b>7,922.5</b>	<b>8,006.6</b>	<b>8,073.4</b>	<b>8,266.1</b>
Less: Personal outlays .....	6,918.6	7,223.5	7,524.5	7,583.0	7,640.7	7,727.6	7,813.7	7,982.4
<b>Equals: Personal saving</b> .....	<b>201.5</b>	<b>169.7</b>	<b>285.8</b>	<b>276.9</b>	<b>281.8</b>	<b>278.9</b>	<b>259.7</b>	<b>283.7</b>
<b>Addenda:</b>								
Disposable personal income, billions of chained (1996) dollars <sup>2</sup> .....	6,630.3	6,748.0	7,032.2	7,058.1	7,082.3	7,109.6	7,154.7	7,283.7
Personal saving as a percentage of disposable personal income .....	2.8	2.3	3.7	3.5	3.6	3.5	3.2	3.4

r revised

1. Personal income is also equal to national income less corporate profits with inventory valuation and capital consumption adjustments, net interest, contributions for social insurance, and wage accruals less disbursements, plus personal interest income, personal dividend income, government transfer payments to persons, and business transfer payments to persons.

2. Equals disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

**Table 10.—Corporate Profits: Level and Percent Change**

	Billions of dollars								Percent change from preceding period							
	2000	2001	2002	Seasonally adjusted at annual rates					2001	2002	Quarterly rates				Quarter one year ago	
				2002		2003					2002	2003				2003
				III	IV	I	II	III				IV	I	II		
<b>Corporate profits with inventory valuation and capital consumption adjustments</b>	<b>788.1</b>	<b>731.6</b>	<b>787.4</b>	<b>771.0</b>	<b>796.1</b>	<b>816.5</b>	<b>897.1</b>	<b>1,002.6</b>	<b>-7.2</b>	<b>7.6</b>	<b>3.2</b>	<b>2.6</b>	<b>9.9</b>	<b>11.8</b>	<b>30.0</b>	
Profits before tax	782.3	670.2	665.2	668.5	694.9	728.1	700.2	778.4	-14.3	-7	3.9	4.8	-3.8	11.2	16.4	
Profits tax liability	259.4	199.3	213.3	214.7	222.4	237.8	234.3	262.9	-23.2	7.0	3.6	6.9	-1.5	12.2	22.5	
Profits after tax	522.9	470.9	451.9	453.8	472.5	490.2	465.9	515.4	-10.0	-4.0	4.1	3.8	-5.0	10.6	13.6	
Dividends	376.1	409.6	434.3	437.7	444.3	451.6	459.5	467.0	8.9	6.0	1.5	1.6	1.7	1.6	6.7	
Undistributed profits	146.8	61.2	17.6	16.1	28.2	38.6	6.4	48.4	-58.3	-71.2	75.4	37.0	-83.5	659.3	201.4	
Inventory valuation adjustment	-15.0	5.0	-6.9	-15.1	-8.5	-26.9	-2.2	-5.6								
Capital consumption adjustment	20.8	56.5	129.1	117.6	109.7	115.3	199.0	229.9	172.1	128.5	-6.7	5.1	72.6	15.5	95.4	
<b>Addenda:</b>																
Corporate profits after tax with inventory valuation and capital consumption adjustments	528.7	532.3	574.1	556.3	573.7	578.6	662.7	739.7	.7	7.9	3.1	.9	14.5	11.6	33.0	
<b>Net cash flow with inventory valuation and capital consumption adjustments</b>	<b>873.7</b>	<b>911.8</b>	<b>967.3</b>	<b>954.7</b>	<b>968.7</b>	<b>964.7</b>	<b>1,035.5</b>	<b>1,106.8</b>	<b>4.4</b>	<b>6.1</b>	<b>1.5</b>	<b>-4</b>	<b>7.3</b>	<b>6.9</b>	<b>15.9</b>	
Undistributed profits with inventory valuation and capital consumption adjustments	152.6	122.7	139.9	118.6	129.4	127.0	203.2	272.7	-19.6	14.0	9.1	-1.8	60.0	34.2	129.9	
Consumption of fixed capital	721.1	789.1	827.5	836.1	839.3	837.6	832.2	834.1	9.4	4.9	.4	-2	-6	.2	-2	
Less: Inventory valuation adjustment	-15.0	5.0	-6.9	-15.1	-8.5	-26.9	-2.2	-5.6								
<b>Equals: Net cash flow</b>	<b>888.7</b>	<b>906.8</b>	<b>974.2</b>	<b>969.8</b>	<b>977.2</b>	<b>991.5</b>	<b>1,037.6</b>	<b>1,112.4</b>	<b>2.0</b>	<b>7.4</b>	<b>.8</b>	<b>1.5</b>	<b>4.6</b>	<b>7.2</b>	<b>14.7</b>	

**Table 11.—Corporate Profits by Industry: Level and Change From Preceding Period**

(Billions of dollars)

	Level								Change from preceding period						
	2000	2001	2002	Seasonally adjusted at annual rates					2001	2002	2002		2003		
				2002		2003					IV	I	II	III	
				III	IV	I	II	III							
<b>Corporate profits with inventory valuation and capital consumption adjustments</b>	<b>788.1</b>	<b>731.6</b>	<b>787.4</b>	<b>771.0</b>	<b>796.1</b>	<b>816.5</b>	<b>897.1</b>	<b>1,002.6</b>	<b>-56.5</b>	<b>55.8</b>	<b>25.1</b>	<b>20.4</b>	<b>80.6</b>	<b>105.5</b>	
<b>Domestic industries</b>	<b>644.8</b>	<b>580.9</b>	<b>668.1</b>	<b>654.9</b>	<b>682.0</b>	<b>710.0</b>	<b>788.9</b>	<b>893.0</b>	<b>-63.9</b>	<b>87.2</b>	<b>27.1</b>	<b>28.0</b>	<b>78.9</b>	<b>104.1</b>	
Financial	183.0	173.5	209.7	207.3	207.6	223.5	231.9	252.2	-9.5	36.2	.3	15.9	8.4	20.3	
Nonfinancial	461.8	407.4	458.4	447.6	474.4	486.5	557.0	640.8	-54.4	51.0	26.8	12.1	70.5	83.8	
<b>Rest of the world</b>	<b>143.3</b>	<b>150.8</b>	<b>119.3</b>	<b>116.1</b>	<b>114.1</b>	<b>106.5</b>	<b>108.2</b>	<b>109.6</b>	<b>7.5</b>	<b>-31.5</b>	<b>-2.0</b>	<b>-7.6</b>	<b>1.7</b>	<b>1.4</b>	
Receipts from the rest of the world	203.8	172.4	177.0	185.9	187.3	193.0	196.6	204.1	-31.4	4.6	1.4	5.7	3.6	7.5	
Less: Payments to the rest of the world	60.5	21.6	57.7	69.7	73.3	86.6	88.4	94.5	-38.9	36.1	3.6	13.3	1.8	6.1	
<b>Corporate profits with inventory valuation adjustment</b>	<b>767.3</b>	<b>675.1</b>	<b>658.3</b>	<b>653.4</b>	<b>686.4</b>	<b>701.2</b>	<b>698.1</b>	<b>772.7</b>	<b>-92.2</b>	<b>-16.8</b>	<b>33.0</b>	<b>14.8</b>	<b>-3.1</b>	<b>74.6</b>	
<b>Domestic industries</b>	<b>624.0</b>	<b>524.4</b>	<b>539.0</b>	<b>537.3</b>	<b>572.3</b>	<b>594.7</b>	<b>589.9</b>	<b>663.1</b>	<b>-99.6</b>	<b>14.6</b>	<b>35.0</b>	<b>22.4</b>	<b>-4.8</b>	<b>73.2</b>	
Financial	201.0	190.6	217.3	216.1	216.5	230.3	226.6	242.7	-10.4	26.7	.4	13.8	-3.7	16.1	
Federal Reserve banks	30.0	27.9	22.8	22.9	21.2	20.9	20.7	20.1	-2.1	-5.1	-1.7	-3	-2	-6	
Other	171.0	162.8	194.5	193.2	195.2	209.4	205.9	222.6	-8.2	31.7	2.0	14.2	-3.5	16.7	
Nonfinancial	423.0	333.7	321.7	321.2	355.8	364.4	363.3	420.4	-89.3	-12.0	34.6	8.6	-1.1	57.1	
<b>Manufacturing</b>	<b>159.8</b>	<b>83.4</b>	<b>92.6</b>	<b>100.5</b>	<b>108.9</b>	<b>122.0</b>	<b>106.9</b>	<b>122.0</b>	<b>-76.4</b>	<b>9.2</b>	<b>8.4</b>	<b>13.1</b>	<b>-15.1</b>	<b>.....</b>	
Durable goods	61.5	9.9	17.0	22.8	24.6	28.0	21.0	.....	-51.6	7.1	1.8	3.4	-7.0	.....	
Primary metal industries	1.0	-1.6	1.2	1.3	2.6	2.6	-1.7	.....	-2.6	2.8	1.3	0	-4.3	.....	
Fabricated metal products	15.4	9.0	5.8	4.7	7.3	6.0	7.6	.....	-6.4	-3.2	2.6	-1.3	1.6	.....	
Industrial machinery and equipment	14.2	-6	-2.5	-1	-2.2	-6	-3.3	.....	-14.8	-1.9	-2.1	1.6	-2.7	.....	
Electronic and other electric equipment	5.5	-3.2	.7	4.0	6.1	8.8	11.7	.....	-8.7	3.9	2.1	2.7	2.9	.....	
Motor vehicles and equipment	-2.2	-9.4	-7.6	-6.6	-7.7	3.3	-3.7	.....	-7.2	1.8	-1.1	11.0	-7.0	.....	
Other	27.6	15.7	19.4	19.5	18.5	7.8	10.3	.....	-11.9	3.7	-1.0	-10.7	2.5	.....	
Nondurable goods	98.3	73.5	75.6	77.6	84.3	94.0	85.9	.....	-24.8	2.1	6.7	9.7	-8.1	.....	
Food and kindred products	25.8	16.6	20.1	21.0	21.1	22.8	21.0	.....	-9.2	3.5	.1	1.7	-1.8	.....	
Chemicals and allied products	17.2	15.2	16.9	17.0	18.9	20.9	14.8	.....	-2.0	1.7	1.9	2.0	-6.1	.....	
Petroleum and coal products	26.1	25.7	16.9	17.4	20.7	36.5	33.1	.....	-4	-8.8	3.3	15.8	-3.4	.....	
Other	29.1	16.0	21.8	22.3	23.7	13.9	17.0	.....	-13.1	5.8	1.4	-9.8	3.1	.....	
Transportation and public utilities	36.6	27.7	16.7	13.2	21.5	20.1	33.8	.....	-8.9	-11.0	8.3	-1.4	13.7	.....	
Transportation	12.8	1.2	.3	-.3	3.6	-1.5	11.5	.....	-11.6	-9	3.9	-5.1	13.0	.....	
Communications	-5.5	-5.8	-11.7	-13.1	-11.8	-11.3	-8.7	.....	-3	-5.9	1.3	.5	2.6	.....	
Electric, gas, and sanitary services	29.4	32.2	28.1	26.5	29.6	33.0	31.1	.....	2.8	-4.1	3.1	3.4	-1.9	.....	
Wholesale trade	62.1	44.8	47.3	44.5	58.9	51.4	57.3	.....	-17.3	2.5	14.4	-7.5	5.9	.....	
Retail trade	73.4	79.1	81.2	82.5	75.1	74.8	85.9	.....	5.7	2.1	-7.4	-.3	11.1	.....	
Other	91.0	98.8	83.9	80.6	91.5	96.1	79.3	.....	7.8	-14.9	10.9	4.6	-16.8	.....	
<b>Rest of the world</b>	<b>143.3</b>	<b>150.8</b>	<b>119.3</b>	<b>116.1</b>	<b>114.1</b>	<b>106.5</b>	<b>108.2</b>	<b>109.6</b>	<b>7.5</b>	<b>-31.5</b>	<b>-2.0</b>	<b>-7.6</b>	<b>1.7</b>	<b>1.4</b>	

Table 12.—Gross Domestic Product of Nonfinancial Corporate Business

	2000	2001	2002	Seasonally adjusted at annual rates				
				2002		2003		
				III	IV	I	II	III
Billions of dollars								
<b>Gross product of nonfinancial corporate business</b> .....	<b>5,295.0</b>	<b>5,354.2</b>	<b>5,493.1</b>	<b>5,504.8</b>	<b>5,554.7</b>	<b>5,590.4</b>	<b>5,668.7</b>	<b>5,800.0</b>
Consumption of fixed capital .....	599.4	652.8	686.6	693.7	696.7	696.2	692.3	694.5
<b>Net product</b> .....	<b>4,695.6</b>	<b>4,701.4</b>	<b>4,806.5</b>	<b>4,811.1</b>	<b>4,858.0</b>	<b>4,894.2</b>	<b>4,976.4</b>	<b>5,105.5</b>
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	508.9	523.7	549.1	554.2	557.2	561.3	557.7	576.5
Domestic income .....	4,186.6	4,177.7	4,257.5	4,256.9	4,300.8	4,333.0	4,418.7	4,529.0
Compensation of employees .....	3,542.1	3,573.5	3,605.0	3,615.0	3,630.5	3,650.9	3,666.6	3,691.8
Wage and salary accruals .....	3,040.1	3,056.4	3,059.5	3,064.3	3,070.1	3,081.3	3,092.9	3,113.5
Supplements to wages and salaries .....	502.0	517.1	545.5	550.7	560.4	569.7	573.7	578.3
Corporate profits with inventory valuation and capital consumption adjustments .....	461.8	407.4	458.4	447.6	474.4	486.5	557.0	640.8
Profits before tax .....	437.9	328.8	328.6	336.3	364.4	391.3	365.5	426.1
Profits tax liability .....	172.4	123.5	131.5	133.4	142.2	153.4	150.6	175.4
Profits after tax .....	265.5	205.3	197.0	202.9	222.1	237.9	214.9	250.6
Dividends .....	259.6	278.5	285.8	275.9	294.2	300.1	304.9	300.2
Undistributed profits .....	5.9	-73.2	-88.8	-73.0	-72.1	-62.2	-90.0	-49.6
Inventory valuation adjustment .....	-15.0	5.0	-6.9	-15.1	-8.5	-26.9	-2.2	-5.6
Capital consumption adjustment .....	38.8	73.6	136.7	126.4	118.6	122.1	193.7	220.4
Net interest .....	182.7	196.8	194.1	194.3	195.9	195.5	195.2	196.4
Billions of chained (1996) dollars								
<b>Gross product of nonfinancial corporate business</b> <sup>1</sup> .....	<b>5,148.3</b>	<b>5,141.8</b>	<b>5,301.9</b>	<b>5,320.7</b>	<b>5,357.1</b>	<b>5,382.1</b>	<b>5,464.9</b>	<b>5,582.8</b>
Consumption of fixed capital <sup>2</sup> .....	616.7	671.9	720.8	731.4	741.1	749.9	759.7	775.2
Net product <sup>3</sup> .....	4,531.5	4,469.9	4,581.2	4,589.4	4,615.9	4,632.2	4,705.2	4,807.6
Dollars								
<b>Price, costs, and profits per unit of real gross product of nonfinancial corporate business:</b>								
<b>Price per unit of real gross product of nonfinancial corporate business</b> <sup>4</sup> .....	<b>1.029</b>	<b>1.041</b>	<b>1.036</b>	<b>1.035</b>	<b>1.037</b>	<b>1.039</b>	<b>1.037</b>	<b>1.039</b>
Compensation of employees (unit labor cost) .....	.688	.695	.680	.679	.678	.678	.671	.661
Unit nonlabor cost .....	.250	.267	.270	.271	.271	.269	.265	.262
Consumption of fixed capital .....	.116	.127	.129	.130	.130	.129	.127	.124
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	.099	.102	.104	.104	.104	.104	.102	.103
Net interest .....	.035	.038	.037	.037	.037	.036	.036	.035
Corporate profits with inventory valuation and capital consumption adjustments (unit profits from current production) .....	.090	.079	.086	.084	.089	.090	.102	.115
Profits tax liability .....	.033	.024	.025	.025	.027	.028	.028	.031
Profits after tax with inventory valuation and capital consumption adjustments .....	.056	.055	.062	.059	.062	.062	.074	.083

1. Effective November 26, 2002, the estimates of chained-dollar gross product of nonfinancial corporate business beginning with 1999 have been revised to reflect the 2002 revision to the gross product price indexes for nonfinancial industries.

2. Chained-dollar consumption of fixed capital of nonfinancial corporate business is calculated as the product of

the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100.

3. Chained-dollar net product of nonfinancial corporate business is the difference between the gross product and the consumption of fixed capital.

4. The deflator for gross product of nonfinancial corporate business divided by 100.

**Appendix Table A.—Real Gross Domestic Product and Related Aggregates and Price Indexes: Percent Change From Preceding Period**  
[Percent]

	2000	2001	2002	Seasonally adjusted at annual rates																
				1999	2000				2001				2002				2003			
				IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III <sup>r</sup>	
<b>GDP and related aggregates:</b>																				
GDP .....	3.8	0.3	2.4	7.1	2.6	4.8	0.6	1.1	-0.6	-1.6	-0.3	2.7	5.0	1.3	4.0	1.4	1.4	3.3	8.2	
Goods .....	4.7	-2.3	3.3	12.0	1.4	6.9	-5	-2.7	-4.4	-5.7	-1.5	4.3	8.3	4	9.0	-1.6	2.2	2.5	18.3	
Services .....	3.3	2.1	2.8	3.9	2.0	5.0	1.6	3.7	.9	1.2	1.8	3.2	2.8	3.5	2.5	3.1	.6	3.6	1.4	
Structures .....	2.7	-1	-2.8	6.2	10.7	-3.6	-1.2	1.7	6.1	-1.3	-7.1	-5.6	6.1	-8.4	-5.5	2.5	3.6	4.3	14.8	
Motor vehicle output .....	-2.7	-6.1	12.8	2.0	-1.6	-7.9	-16.4	-18.1	-19.1	19.4	10.7	16.3	9.9	8.1	37.1	-13.4	-1.8	-3.3	43.2	
GDP less motor vehicle output .....	4.0	.5	2.1	7.3	2.7	5.4	1.2	1.8	0	-2.2	-6	2.3	4.9	1.0	3.0	1.9	1.5	3.5	7.2	
Final sales of computers <sup>1</sup> .....	29.5	9.1	13.0	-3.9	56.9	45.2	9.6	10.2	30.0	-19.1	-5.3	28.9	-7.8	13.1	78.5	26.7	28.2	27.8	96.8	
GDP less final sales of computers .....	3.5	.2	2.4	7.2	2.2	4.5	.5	1.0	-8	-1.4	-2	2.6	5.1	1.2	3.6	1.2	1.3	3.1	7.7	
Farm product <sup>2</sup> .....	11.5	-5.1	.4	8.7	35.1	4.7	15.3	-19.1	-10.6	-17.5	-4.3	74.0	-14.2	-26.7	7.9	9.5	2.4	-10.4	3.8	
Nonfarm business less housing product <sup>3</sup> .....	4.1	-1	2.8	8.5	2.1	5.6	.3	1.2	-9	-2.8	-8	3.0	6.3	.9	5.4	1.8	1.5	4.9	10.5	
<b>Price indexes:</b>																				
GDP .....	2.1	2.4	1.1	1.7	3.1	2.3	1.6	2.1	3.7	2.5	2.2	-5	1.3	1.2	1.0	1.8	2.4	1.0	1.7	
GDP less food and energy .....	2.0	2.0	1.4	1.8	2.7	2.1	1.6	1.9	2.8	1.6	2.8	0	1.6	1.5	1.1	1.6	1.8	.6	1.3	
GDP less final sales of computers .....	2.3	2.6	1.3	1.9	3.3	2.5	1.8	2.2	4.1	2.7	2.4	-4	1.5	1.4	1.2	1.9	2.5	1.1	1.8	
Gross domestic purchases .....	2.5	1.9	1.2	2.2	3.7	2.2	2.2	2.1	3.3	1.7	-2	.4	1.2	2.3	1.2	1.8	3.4	.4	1.8	
Gross domestic purchases less food and energy .....	1.9	1.8	1.4	1.7	2.7	1.9	1.5	1.7	2.9	1.3	.6	2.0	1.4	1.5	1.2	1.5	1.8	.8	1.4	
Gross domestic purchases less final sales of computers .....	2.8	2.2	1.4	2.4	3.9	2.4	2.4	2.3	3.8	2.0	.1	.7	1.4	2.4	1.4	2.0	3.6	.5	2.0	
Personal consumption expenditures .....	2.5	2.0	1.4	2.4	3.4	2.3	2.1	2.2	3.3	1.8	-1	.8	1.1	2.7	1.7	1.8	2.7	.8	2.3	
Personal consumption expenditures less food and energy .....	1.8	1.8	1.7	1.7	2.2	1.8	1.3	1.8	2.8	1.2	.7	2.7	1.4	1.9	1.8	1.5	.8	1.1	1.7	

<sup>r</sup> revised

1. For some components of final sales of computers, includes computer parts.

2. Farm output less intermediate goods and services purchased.

3. Consists of GDP less gross product of farm, of housing, of households and institutions, and of general government.

See "Explanatory Note" at the end of the tables.

## Explanatory Note: Measures of Output and Prices

This note describes the calculation of chain-type quantity and price indexes used in the NIPA's.

Changes in current-dollar GDP measure changes in the market value of goods, services, and structures produced in the economy in a particular period. These changes can be decomposed into quantity and price components. Quantities, or "real" measures, and prices are expressed as index numbers with the reference year--at present, the year 1996--equal to 100.

The annual changes in quantities and prices are calculated using a Fisher formula that incorporates weights from two adjacent years. (Quarterly changes in quantities and prices are calculated using a Fisher formula that incorporates weights from two adjacent quarters; quarterly indexes are adjusted for consistency to the annual indexes before percent changes are calculated.) For example, the 2000-01 annual percent change in real GDP uses prices for 2000 and 2001 as weights, and the 2000-01 annual percent change in GDP prices uses quantities for 2000 and 2001 as weights. These annual changes are "chained" (multiplied) together to form time series of quantity and price indexes. The Fisher formula produces percent changes in quantities and prices that are not affected by the choice of reference years. In addition, because the changes in quantities and prices calculated in this way are symmetric, in general, the product of a quantity index and the corresponding price index equals the current-dollar index. (BEA also publishes a measure of the price level known as the "implicit price deflator (IPD)," which is calculated as the ratio of current-dollar value to the corresponding chained-dollar value, multiplied by 100. The values of the IPD are very close to the values of the corresponding "chain-type" price index for all periods.)

Chain-type quantity and price indexes for GDP and its major components are presented in this release as index numbers in table 5 and in the form of percentage changes from the preceding period in tables 1, 4, 6 and from the quarter one year ago in table 7. Contributions by major components to changes in real GDP are presented in table 2. BEA also prepares measures of real GDP and its components in a dollar-denominated form, designated "chained (1996) dollar estimates." For GDP and most other series, these estimates, which are presented in table 3, are computed by multiplying the 1996 current-dollar value by a corresponding quantity index number and then dividing by 100. For example, if a current-dollar GDP component equaled \$100 in 1996 and if real output for this component increased 10 percent in 1997, then the chained (1996) dollar value of this component in 1997 would be \$110 ( $\$100 \times 1.10$ ).

For analyses of changes over time in an aggregate or in a component, the percentage changes calculated from the chained-dollar estimates and from the chain-type quantity indexes are the same; any differences will be small and due to rounding. However, because the relative prices used as weights for any period other than the reference year differ from those used for the reference year, the chained-dollar values for the detailed GDP components will not necessarily sum to the chained-dollar estimate of GDP or to any intermediate aggregate. A measure of the extent of such differences is provided by a "residual" line, which indicates the difference between GDP (or another major aggregate) and the sum of the most detailed components in the table. For periods close to the reference year, when there usually has not been much change in the relative prices that are used as weights for the chain-type index, the residuals tend to be small, and the chained (1996) dollar estimates can be used to approximate the contributions to growth and to aggregate the detailed estimates. As one moves further from the reference year, the residual tends to become larger, and the chained-dollar estimates become less useful for analyses of contributions to growth. Thus, the contributions to percent change shown in table 2 provide a better measure of the composition of GDP growth. In particular, for components for which relative prices are changing rapidly, calculation of contributions using chained-dollar estimates may be misleading even just a few years from the reference year.

References: "A Preview of the 1999 Comprehensive Revision of the NIPA's: Statistical Changes," October 1999 Survey, pp. 6-17; "A Guide to the NIPA's," March 1998 Survey, pp. 36-40; "BEA's Chain Indexes, Time Series, and Measures of Long-Term Economic Growth," May 1997 Survey, pp. 58-68.