

Comprehensive Revision of Gross State Product by Industry, 1977–94

By Howard L. Friedenberg and Richard M. Beemiller

IN THIS article, the Bureau of Economic Analysis (BEA) presents new estimates of gross state product (GSP) for 1993 and 1994 and revised estimates for 1977–92.¹ The new and revised GSP estimates are consistent with the improved estimates of **gross product originating (GPO) by industry for the Nation** that were published in the August 1996 SURVEY OF CURRENT BUSINESS. The estimates incorporate the results of the most recent comprehensive revisions of the national income and product accounts (NIPA's) and of the State personal income accounts.²

The following major improvements have been incorporated into these new and revised GSP estimates:

- Chain-type measures of real GSP, which reduce the substitution bias that is inherent in the previously used fixed-weighted measures;
- A new treatment of government investment, which provides a more complete picture of investment through the consistent treatment of investment in both the public and private sectors;
- Additional State source data on sales, on sales taxes, and on gross receipts taxes, which result in better allocations of national commodity taxes by industry; and
- State data on receipts and payrolls for industries newly covered in the 1992 economic censuses.

These improvements are another step in BEA's continuing effort to update and better integrate the GSP estimates by industry with the national estimates of GPO by industry and the national input-output accounts.³

GSP for a State is derived as the sum of the gross state product originating in all industries in the State. In concept, an industry's GSP, or its "value added," is equivalent to its gross output (sales or receipts and other operating income, commodity taxes, and inventory change) minus its intermediate inputs (consumption of goods and services purchased from other U.S. industries or imported). Thus, GSP is the State counterpart of the Nation's gross domestic product (GDP). In practice, GSP and GPO estimates are measured as the sum of the distributions by industry of the components of gross domestic income—that is, the sum of the costs incurred (such as compensation of employees, net interest, and indirect business taxes) and the profits earned in production.⁴

BEA prepares GSP estimates for 63 industries (see **appendix A**). For each industry, GSP is presented in three components: Compensation of employees, indirect business tax and nontax liability, and "other GSP."⁵ The relationship between these components and the components of GPO and GDP is shown in **appendix B**.

BEA prepares estimates of GSP in current dollars (see **table 9**, which follows the text) and of real GSP (see **table 10**). As discussed in the section "**Methodology**," the methodology used to estimate current-dollar GSP for each industry depends on the source data that are available. State estimates of GSP for all industries and components are "controlled" to national totals of GPO for all industries and components.⁶ The estimates of real GSP are derived by applying national chain-type implicit price deflators by detailed industry to the current-dollar GSP estimates by

1. The previously published estimates of GSP for 1977–90 appeared in the August 1994 SURVEY OF CURRENT BUSINESS, and the estimates for 1991–92, in the May 1995 SURVEY.

2. See "Improved Estimates of the National Income and Product Accounts for 1959–95: Results of the Comprehensive Revision," SURVEY 76 (January/February 1996): 1–31; and "Comprehensive Revision of State Personal Income, 1969–95," SURVEY 76 (October 1996): 48–93.

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

4. The difference between GDP and gross domestic income is the statistical discrepancy. In the GSP estimates, insufficient information is available for allocating the statistical discrepancy to States. In the national estimates of GPO by industry, the statistical discrepancy is not allocated by industry.

5. Other GSP now includes proprietors' income because at the national level, proprietors' income is included in other GPO. Previously, proprietors' income was presented as a separate component of GSP.

6. When the State estimates are summed across all States, the initial sum-of-State total may differ from the national total for each industry; in such cases, the difference between the national total and the sum-of-State total is allocated to the States.

detailed industry and then using the same chain-type Fisher index used in the national accounts to calculate the estimates of total real GSP and real GSP by major industry.

Real GSP is an inflation-adjusted measure of each State's output that is based on national prices for the goods and services produced within that State. It is not a measure of the cost of goods and services consumed in each State and may include a substantial volume of output shipped to other States or countries. To the extent that a State's output is produced and sold in national markets at relatively uniform prices (or sold locally at national prices), GSP does a reasonable job of measuring real output by capturing differences across States that reflect relative differences in the mix of goods and services that the States produce. However, real GSP does not capture geographic differences in the prices of goods and services produced for local markets.

The first part of this article discusses the relative performance of various States in terms of growth rates, shares of the Nation, and industry shares of State totals. The second part discusses the revisions to the GSP estimates, and the third part describes the methodology used to prepare the GSP estimates. A technical note at the end of the article describes the calculation and the properties of the new chain-type measures of real GSP.

Growth Rates and Shares

Comparisons of GSP growth rates and shares of GSP across industries or States provide indications of the relative performance of industries or States. For example, a comparison of the growth rate of real GSP for an industry with the growth rate of total real GSP indicates whether that industry is

raising (or is lowering) the State's growth rate. A comparison of the share of total GSP in current dollars that is accounted for by the GSP of an industry over time indicates whether that industry's claim on the State's resources is increasing (or decreasing).

Real growth rates

Table 1 presents average annual rates of change in real GSP for 1977-94 and for 1987-94. Real GSP for the Nation increased at average annual rates of 2.6 percent in 1977-94 and 2.3 percent in 1987-94. In 1977-94, the GSP of all States increased, and in 1987-94, the GSP of all States except Alaska increased. The remainder of this discussion focuses on growth in GSP by industry for the most recent period, 1987-94.

From 1987 to 1994, the six fastest growing States were Nevada, Idaho, New Mexico, Utah, Oregon, and Washington. In each of these States, the increases in GSP in construction and in wholesale trade exceeded the increase in total GSP for that State. In most of these States, the increases in GSP were also above average in agriculture, forestry, and fishing, in manufacturing, in mining, and in retail trade. In addition, the increase in GSP was above average in finance, insurance, and real estate in Nevada, in transportation and public utilities in Idaho, in services in Utah, and in transportation and public utilities, in finance, insurance, and real estate, and in services in Washington.

Acknowledgments

This comprehensive revision of gross state product was prepared by staff in the Regional Economic Analysis Division (READ) under the direction of John R. Kort, Chief, and George K. Downey, Chief of the Gross State Product by Industry Branch. Hugh W. Knox, Associate Director for Regional Economics, provided general guidance.

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Release Schedule for the GSP Estimates

This release of the comprehensive revision of GSP is another step in updating and extending the regional accounts, as outlined in BEA's strategic plan for improving the accuracy, reliability, and relevance of the national, regional, and international accounts. Later this year, as part of the continuing effort to integrate the national accounts and the regional accounts, BEA will release revised estimates of national gross product originating (GPO) by industry and of GSP for 1993 and 1994, preliminary estimates of GPO for 1995 and 1996, and preliminary estimates of GSP for 1995.

In mid-1998, BEA will release revised estimates of GSP for 1995 and preliminary estimates for 1996. Releasing the 1996 estimates in mid-1998 will accomplish BEA's long-term goal of making the GSP estimates available at the earliest possible release date, given the schedule for the receipt of State source data. Future improvements will focus on increasing the consistency among the GPO estimates, the GSP estimates, and the benchmark national input-output accounts and on incorporating more State data into the GSP estimates.

From 1987 to 1994, the five slowest growing States were Alaska, Rhode Island, Maine, Louisiana, and Massachusetts. In most of these States, GSP declined in agriculture, forestry, and fishing, in manufacturing, in construction, and in mining, and GSP increased at a below-average rate in government. In addition, GSP declined in finance, insurance, and real estate in Louisiana and in retail trade in Massachusetts, and GSP increased at a below-average rate in retail trade in Rhode Island.

Shares of current-dollar GSP

Industry shares.—In 1977–94, the share of U.S. current-dollar GSP accounted for by private services-producing industries increased 9.8 percentage points, from 53.0 percent to 62.8 percent (table 2).⁷ The share accounted for by private goods-producing industries declined 9.0 percent-

age points, from 33.5 percent to 24.5 percent.⁸ The share accounted for by government declined 0.7 percentage point, from 13.4 percent to 12.7 percent.

By State, the increase in the share of the private services-producing industries ranged from 20.5 percentage points in Delaware to 3.2 percentage points in Nevada. In five States, the increases were more than 12.0 percentage points. In four of these States—Delaware, Connecticut, Rhode Island, and New Hampshire—the largest increase was in finance, insurance, and real estate; in the other State—New Jersey—the largest increase was in services.

The increases in the share of the private services-producing industries were largely paralleled by declines in the share of the private goods-producing industries: The declines ranged from 16.5 percentage points in Delaware to 0.1 percentage point in Nevada; Delaware, Connecti-

7. Private services-producing industries are defined to consist of transportation and public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and "services."

8. Private goods-producing industries are defined to consist of agriculture, forestry, and fishing; mining; construction; and manufacturing.

Table 1.—Real Gross State Product by Industry: Average Annual Rates of Change for Selected States and the United States
[Percent]

Rank		Total gross state product	Private goods-producing industries ¹				Private services-producing industries ²					Government
			Agriculture, forestry, and fishing	Manufacturing	Construction	Mining	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	
1977–94												
Fastest growing States:												
1	Nevada	5.6	6.8	6.8	4.9	13.5	5.5	9.5	6.1	6.3	4.6	3.3
2	Arizona	4.7	4.0	7.1	2.5	4.5	4.7	7.5	5.1	4.4	5.1	2.4
3	New Hampshire	4.7	6.9	5.3	1.2	3.6	5.3	7.2	4.9	5.3	4.5	1.6
4	Florida	4.4	5.3	4.5	3.3	-2.1	5.0	6.9	5.1	4.1	4.9	2.5
5	Georgia	4.3	7.3	3.8	2.7	4.5	5.7	6.4	4.3	4.2	5.0	2.0
	United States	2.6	3.9	2.3	1.0	.9	3.1	4.9	2.9	2.8	3.4	1.3
Slowest growing States:												
46	Michigan	1.3	3.1	.7	.4	-8	1.0	4.9	1.5	1.4	2.2	.5
47	West Virginia	1.3	6.4	0	-1.3	4.3	2.1	3.1	1.4	-4	1.6	.9
48	Montana	1.3	3.9	-1	-2.4	2.7	2.1	3.3	1.8	.4	1.6	.3
49	North Dakota	1.2	2.7	4.1	-3.0	0	2.7	3.2	1.0	-8	1.4	0
50	Louisiana .....	.8	1.7	1.6	-1.5	-2.0	2.3	2.8	1.7	.9	2.2	1.1
1987–94												
Fastest growing States:												
1	Nevada	7.0	6.5	8.5	11.0	9.2	5.2	10.4	6.7	8.2	6.1	4.3
2	Idaho	5.2	4.6	6.6	11.9	.7	6.3	8.0	5.5	3.4	3.6	2.8
3	New Mexico	4.6	6.0	17.6	5.2	3.4	3.7	6.3	4.1	2.9	3.5	1.4
4	Utah	4.2	5.0	4.8	7.7	5.8	4.2	6.3	6.0	3.1	4.4	1.4
5	Oregon	3.9	4.7	2.7	9.4	6.0	3.1	7.2	4.9	3.8	3.9	2.5
6	Washington	3.9	4.4	.4	6.9	6.2	5.4	6.3	5.0	4.0	5.6	2.1
	United States	2.3	4.1	1.6	.8	1.6	3.6	4.9	2.3	2.3	2.6	1.3
Slowest growing States:												
46	Massachusetts .....	.9	-6	-1.0	-4.3	-3	3.6	3.5	-3	1.9	2.0	.2
47	Louisiana .....	.9	3.0	.9	3.9	-2.4	2.4	4.2	1.4	-6	2.0	1.0
48	Maine .....	.9	-1.8	-2	-3.9	15.1	1.3	3.0	2.3	1.9	2.0	.2
49	Rhode Island .....	.8	-1.9	-8	-2.2	3.9	4.8	1.7	.2	1.6	1.6	.2
50	Alaska	-1.0	-2.7	.4	2.5	-6.8	.7	4.9	3.4	1.8	2.1	.3

1. Private goods-producing industries are defined to consist of agriculture, forestry, and fishing; mining; construction; and manufacturing.

2. Private services-producing industries are defined to consist of transportation and public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and "services."

cut, and Rhode Island were among the States with the largest declines in share. The other States with the largest declines in share were West Virginia and Louisiana. In Delaware, the largest decline was in nondurable goods manufacturing; in Connecticut and Rhode Island, in durable goods manufacturing; and in West Virginia and Louisiana, in mining.

For government, the change in the share ranged from an increase of 2.8 percentage points in West Virginia to a decline of 6.5 percentage points in Hawaii. The increase in West Virginia was mainly in State and local government, and the decline in Hawaii was in Federal Government.

State shares.—In general, the States that accounted for the largest and the smallest shares of current-dollar GSP in 1994 were the same as those in 1977 (chart 1). The largest changes in shares from 1977 to 1994 were mainly in the States with the largest shares: The shares of Florida, California, Georgia, North Carolina, Virginia, New Jersey, and Texas increased 0.4 percentage point or more, and the shares of Illinois, Ohio, Michigan, Pennsylvania, and New York declined 0.5 percentage point or more.

Revisions to the GSP Estimates

This section discusses the impact of the revisions to the GSP estimates, the major sources of the revisions, and the changes in the presentation of the GSP estimates.

Impact of the revisions

Current-dollar estimates.—Table 3 shows the revisions to the GSP estimates for the benchmark years 1977, 1982, 1987, and 1992, when the estimates are mainly based on State source data from economic censuses rather than on extrapolation or interpolation. For the Nation, the revisions to GSP range from \$25.9 billion in 1977, or 1.3 percent of the previously published estimate, to \$141.0 billion in 1992, or 2.4 percent of the previously published estimate. For most States, the revisions to GSP as a percentage of the previously published estimates are small; in general, the revisions are largest in the Mideast and Far West States and smallest in the Great Lakes and Southwest States.

Table 4 highlights the 10 States with the largest average percentage revisions (upward or downward) for the 4 benchmark years. The revisions to GSP exceed 5.0 percent only in Hawaii in all

Table 2.—Gross State Product by Broad Industry Group in Current Dollars as a Percentage of Total Gross State Product, 1977 and 1994
[Percent]

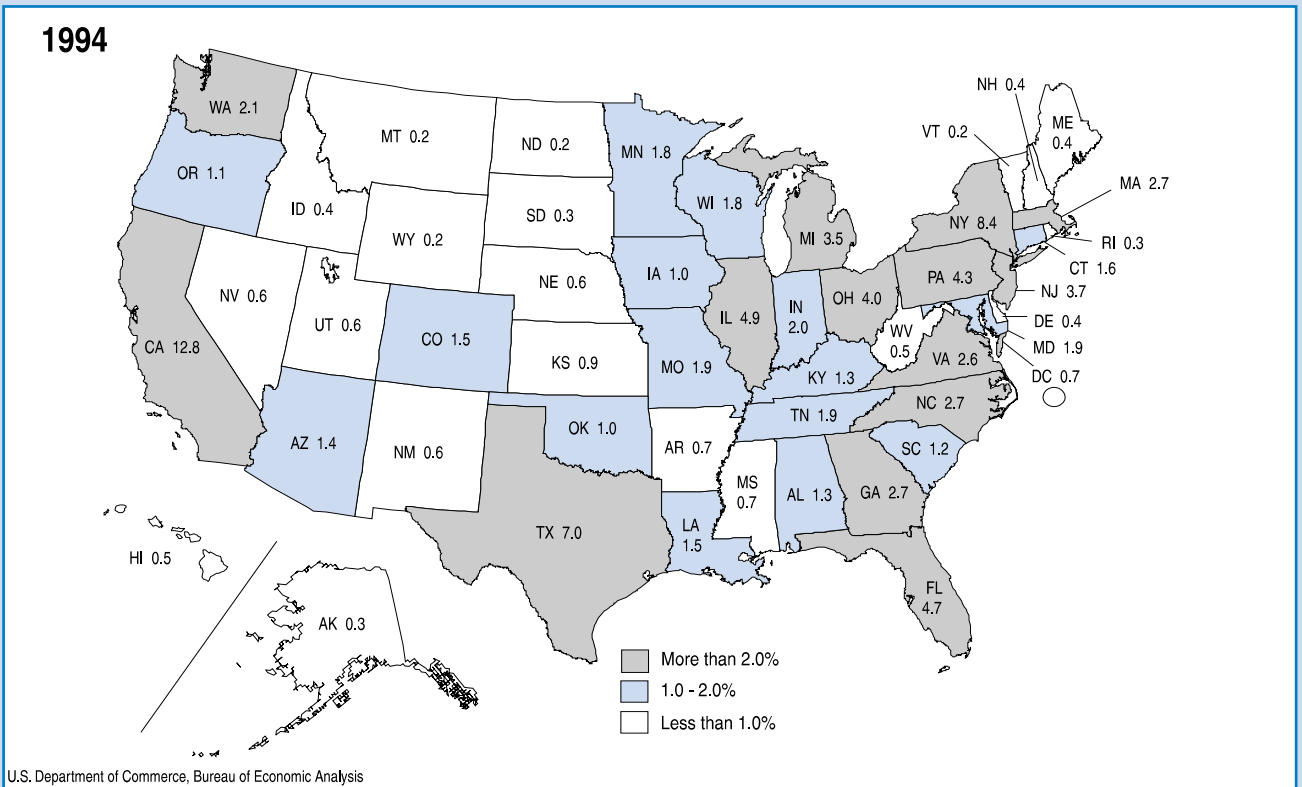
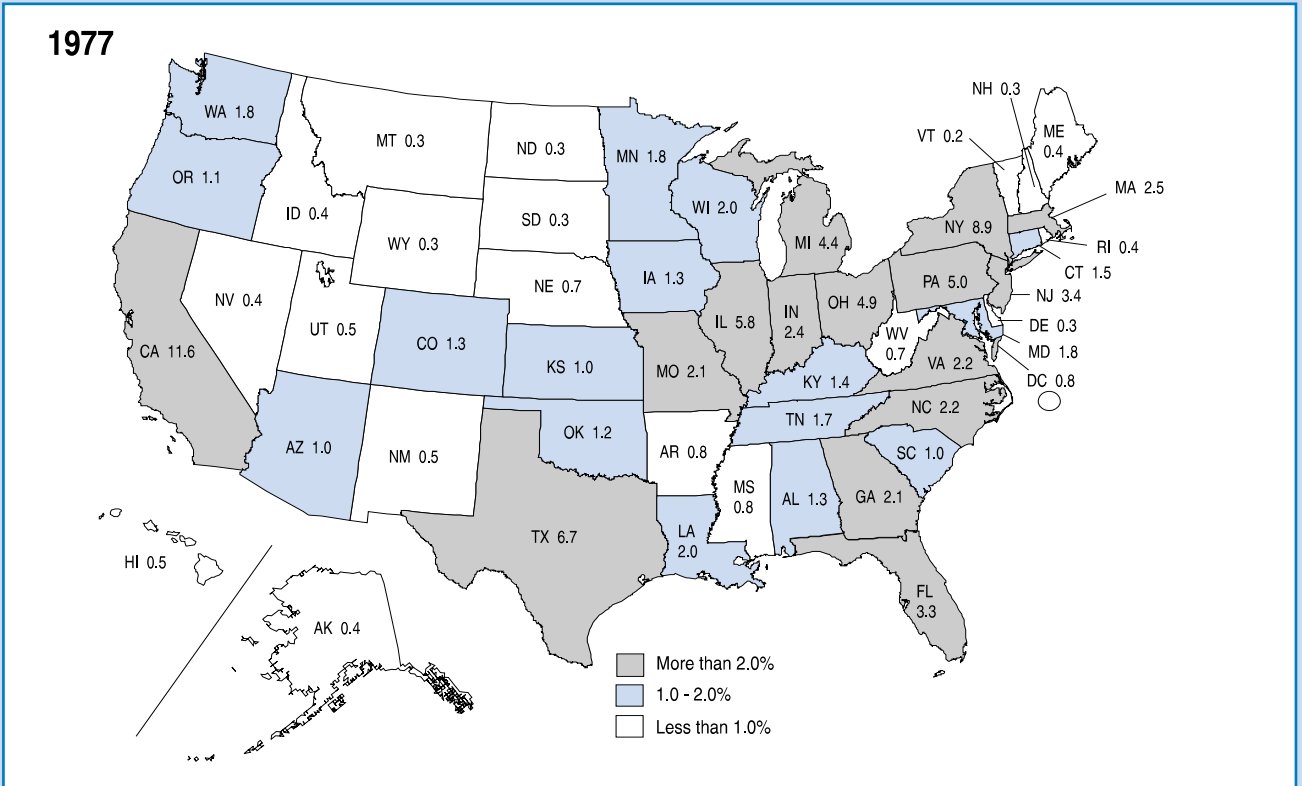
	Private goods-producing industries ¹		Private services-producing industries ²		Government			Private goods-producing industries ¹		Private services-producing industries ²		Government	
	1977	1994	1977	1994	1977	1994		1977	1994	1977	1994	1977	1994
United States	33.5	24.5	53.0	62.8	13.4	12.7	Alabama	35.9	29.4	47.3	54.3	16.8	16.3
New England	31.5	21.2	56.0	68.7	12.5	10.0	Arkansas	41.2	33.9	46.9	54.1	11.9	12.0
Connecticut	34.3	20.9	54.1	69.7	11.6	9.4	Florida	19.9	15.1	64.7	72.1	15.4	12.8
Maine	32.0	24.1	52.2	61.7	15.8	14.2	Georgia	30.4	23.7	53.6	63.1	16.0	13.3
Massachusetts	29.0	20.1	58.6	70.4	12.3	9.5	Kentucky	47.2	36.9	40.5	49.4	12.3	13.7
New Hampshire	34.3	25.0	52.8	65.3	12.8	9.7	Louisiana	46.0	32.8	44.0	55.0	10.1	12.3
Rhode Island	33.8	21.7	52.9	66.3	13.3	12.0	Mississippi	38.3	30.9	46.6	54.1	15.1	15.1
Vermont	31.7	24.2	55.0	63.5	13.3	12.3	North Carolina	41.4	35.9	44.2	50.8	14.5	13.3
Mideast	27.5	18.1	58.6	69.2	13.9	12.8	South Carolina	37.2	33.2	44.2	51.0	18.6	15.9
Delaware	41.2	24.7	46.0	66.5	12.8	8.9	Tennessee	36.5	29.5	49.3	58.2	14.2	12.3
District of Columbia	5.2	3.6	47.4	56.4	47.4	40.1	Virginia	28.6	21.3	48.0	58.7	23.4	20.0
Maryland	22.1	14.5	56.1	67.8	21.8	17.7	West Virginia	46.2	32.3	43.2	54.2	10.7	13.5
New Jersey	30.6	18.7	57.2	70.4	12.2	10.9	Southwest	37.7	27.5	49.0	59.3	13.3	13.2
New York	23.8	15.8	64.4	72.8	11.9	11.4	Arizona	27.0	23.0	55.8	63.1	17.2	13.9
Pennsylvania	36.4	25.3	52.6	63.9	10.9	10.8	New Mexico	32.2	27.3	48.2	54.4	19.6	18.2
Great Lakes	41.3	31.5	48.7	57.9	10.0	10.6	Oklahoma	36.6	27.7	48.0	55.9	15.4	16.5
Illinois	35.2	24.8	54.7	65.0	10.2	10.2	Texas	40.0	28.3	48.2	59.4	11.9	12.2
Indiana	45.6	37.2	45.1	52.3	9.2	10.4	Rocky Mountain	31.3	24.7	52.8	60.7	15.9	14.5
Michigan	44.9	34.7	44.8	54.6	10.3	10.8	Colorado	27.0	20.9	56.3	65.0	16.7	14.1
Ohio	42.5	32.3	47.8	56.9	9.7	10.8	Idaho	35.5	32.5	50.4	53.8	14.1	13.8
Wisconsin	42.9	34.8	46.8	54.1	10.3	11.2	Montana	32.3	23.0	52.2	60.7	15.5	16.3
Plains	35.8	28.6	52.0	59.0	12.2	12.4	Utah	28.8	24.2	53.4	59.9	17.8	16.0
Iowa	42.6	35.6	46.8	52.4	10.6	11.9	Wyoming	48.9	40.3	40.1	46.7	11.1	13.0
Kansas	35.5	27.2	51.0	57.9	13.5	14.8	Far West	27.3	20.3	57.6	66.7	15.1	13.0
Minnesota	35.4	27.4	53.1	61.4	11.4	11.2	Alaska	35.5	29.9	42.7	49.2	21.9	20.9
Missouri	34.0	27.7	54.3	61.1	11.6	11.3	California	26.9	19.9	58.6	67.9	14.5	12.2
Nebraska	31.1	27.3	53.9	57.7	14.9	15.0	Hawaii	13.9	10.3	58.3	68.4	27.8	21.3
North Dakota	33.3	24.4	51.2	59.4	15.4	16.2	Nevada	15.7	15.6	70.7	73.9	13.6	10.5
South Dakota	33.2	26.7	51.7	59.7	15.2	13.6	Oregon	33.8	27.7	53.6	59.5	12.6	12.8
Southeast	35.0	26.6	49.6	59.2	15.3	14.2	Washington	29.4	22.0	54.1	62.9	16.4	15.1

1. Private goods-producing industries are defined to consist of agriculture, forestry, and fishing; mining; construction; and manufacturing.

2. Private services-producing industries are defined to consist of transportation and public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and "services."

CHART 1

Gross State Product in Current Dollars: Percentage of U.S. Total



benchmark years, in New York in 1987 and 1992, in Virginia in 1982 and 1987, in Florida in 1982, and in Louisiana and Alaska in 1992. For the 10 States, the revisions mainly reflect the statistical changes incorporated into the current-dollar estimates of GSP for a few industries: "Other real estate" and State and local government in most of these States; Federal Government in Hawaii, Virginia, Maryland, and Alaska; nonfarm housing

services in Hawaii, Maryland, Mississippi, Montana, and Idaho; "pipelines, except natural gas" in Alaska; oil and gas extraction in Alaska and Louisiana; communications in Mississippi and Idaho; and wholesale trade in New York. The revisions to other real estate, oil and gas extraction, and communications mainly reflect the incorporation of data from the 1992 economic censuses. The revisions to government mainly reflect the

Table 3.—Revisions to Gross State Product in Current Dollars, Benchmark Years

(Millions of dollars)

	1977			1982			1987			1992		
	Pre-viously published	Revised	Revision	Pre-viously published	Revised	Revision	Pre-viously published	Revised	Revision	Pre-viously published	Revised	Revision
United States	1,955,748	1,981,660	25,912	3,144,550	3,200,516	55,966	4,548,182	4,651,838	103,656	5,994,063	6,135,028	140,965
New England	102,981	103,889	908	167,446	170,926	3,481	277,795	287,598	9,803	343,875	353,152	9,277
Connecticut	29,687	29,372	-314	48,414	48,612	198	79,243	80,866	1,623	98,873	102,651	3,778
Maine	7,490	7,547	56	11,736	12,053	317	18,999	19,300	302	24,085	24,013	-72
Massachusetts	49,011	49,971	960	79,356	81,642	2,286	132,276	138,973	6,697	161,966	165,805	3,839
New Hampshire	6,264	6,366	101	11,121	11,449	328	20,749	21,473	724	25,524	26,118	594
Rhode Island	7,121	7,280	159	11,141	11,399	259	17,379	17,756	377	21,582	22,387	804
Vermont	3,408	3,354	-54	5,677	5,770	93	9,149	9,230	80	11,844	12,177	333
Mideast	387,505	399,189	11,684	594,954	614,644	19,690	907,699	939,197	31,498	1,167,946	1,214,179	46,233
Delaware	5,669	5,792	123	8,784	9,188	404	14,757	15,458	701	23,666	23,427	-238
District of Columbia	14,030	15,228	1,198	20,382	22,301	1,919	29,374	31,984	2,610	40,441	45,240	4,798
Maryland	33,875	35,396	1,522	53,214	55,713	2,498	88,758	91,610	2,852	116,169	119,109	2,939
New Jersey	65,901	66,594	692	105,820	106,819	999	171,819	175,060	3,241	223,146	231,489	8,344
New York	168,329	176,354	8,025	263,117	276,295	13,179	397,976	420,175	22,199	497,555	525,555	28,000
Pennsylvania	99,701	99,826	125	143,637	144,328	691	205,015	204,910	-105	266,969	269,359	2,390
Great Lakes	389,017	388,554	-463	530,137	533,512	3,375	757,100	762,032	4,933	971,639	976,767	5,128
Illinois	114,601	115,367	766	161,272	163,178	1,906	226,407	230,030	3,623	294,449	298,370	3,921
Indiana	47,732	47,358	-374	63,932	63,349	-583	92,837	91,406	-1,431	121,647	120,286	-1,361
Michigan	89,010	87,477	-1,532	111,128	112,105	977	167,001	166,367	-634	204,421	202,630	-1,791
Ohio	97,411	97,740	328	134,630	135,659	1,028	189,255	192,138	2,884	241,604	245,032	3,428
Wisconsin	40,263	40,613	349	59,175	59,221	47	81,600	82,091	491	109,517	110,449	932
Plains	146,991	149,087	2,096	223,342	226,045	2,703	305,568	310,385	4,817	402,903	406,003	3,100
Iowa	26,135	26,404	270	36,250	36,548	297	44,243	45,119	876	59,457	59,870	413
Kansas	20,261	20,441	180	33,014	33,091	76	43,775	44,051	277	56,164	56,140	-25
Minnesota	35,680	36,156	476	55,790	56,280	490	81,496	83,625	2,129	110,276	110,655	379
Missouri	41,096	41,995	899	59,926	61,788	1,862	88,765	89,812	1,047	111,604	114,672	3,069
Nebraska	13,557	13,615	58	20,582	20,662	80	26,501	26,857	357	37,213	37,152	-61
North Dakota	5,189	5,357	168	10,129	9,954	-175	10,064	10,133	69	13,057	12,579	-478
South Dakota	5,073	5,119	46	7,649	7,722	73	10,725	10,788	63	15,131	14,934	-196
Southeast	383,259	389,222	5,963	635,932	651,338	15,406	951,371	977,302	25,931	1,283,225	1,305,518	22,293
Alabama	26,054	26,395	340	40,563	40,682	119	59,571	60,609	1,038	78,137	79,706	1,568
Arkansas	14,819	14,921	103	22,699	23,135	436	32,082	32,252	170	43,994	44,214	220
Florida	63,343	66,189	2,846	118,071	125,121	7,050	197,096	205,436	8,340	268,609	279,781	11,172
Georgia	40,330	41,315	985	66,781	68,729	1,947	115,188	116,625	1,437	153,534	158,770	5,236
Kentucky	28,458	28,512	53	41,395	41,364	-31	55,542	56,754	1,212	75,561	76,064	504
Louisiana	39,918	39,209	-709	78,791	79,219	428	75,199	76,536	1,338	96,245	90,788	-5,457
Mississippi	16,216	15,830	-386	25,283	24,509	-774	33,749	33,111	-638	44,298	43,318	-980
North Carolina	44,048	44,377	329	68,269	70,076	1,807	113,253	116,357	3,104	159,637	161,432	1,796
South Carolina	19,723	20,334	611	31,858	32,923	1,065	50,857	53,197	2,340	69,810	71,132	1,322
Tennessee	33,440	33,546	106	51,628	51,185	-443	80,791	81,122	331	108,894	109,113	219
Virginia	42,356	44,168	1,812	69,764	73,435	3,671	113,944	120,896	6,952	153,808	160,558	6,750
West Virginia	14,552	14,425	-127	20,830	20,960	130	24,098	24,406	308	30,699	30,642	-56
Southwest	186,840	185,074	-1,766	369,690	367,743	-1,947	432,863	433,039	176	582,977	597,401	14,424
Arizona	18,795	19,168	374	33,688	34,255	568	57,793	58,909	1,116	74,060	78,449	4,390
New Mexico	10,171	10,342	171	19,791	19,811	20	22,362	22,783	421	31,863	31,771	-92
Oklahoma	23,969	23,767	-202	49,744	48,988	-756	47,913	48,190	277	60,188	61,357	1,169
Texas	133,905	131,796	-2,109	266,467	264,689	-1,778	304,795	303,157	-1,638	416,867	425,824	8,957
Rocky Mountain	54,028	54,547	519	99,033	99,943	911	121,627	124,238	2,612	167,325	170,064	2,739
Colorado	24,574	25,116	542	46,319	47,533	1,214	60,174	62,881	2,707	82,463	85,434	2,971
Idaho	7,151	7,023	-129	10,567	10,482	-85	13,902	13,753	-148	20,860	20,116	-744
Montana	6,445	6,373	-73	10,700	10,348	-352	11,766	11,551	-215	15,227	15,075	-151
Utah	10,224	10,399	175	18,371	18,553	181	24,807	25,107	300	35,590	35,314	-276
Wyoming	5,634	5,636	3	13,076	13,028	-47	10,977	10,945	-32	13,186	14,124	938
Far West	305,125	312,097	6,972	524,018	536,364	12,347	794,160	818,047	23,887	1,074,173	1,111,945	37,772
Alaska	7,393	7,443	49	23,820	23,069	-752	21,131	21,274	142	25,957	22,241	-3,715
California	224,501	229,489	4,988	382,317	391,267	8,950	599,088	620,346	21,258	787,896	826,532	38,637
Hawaii	8,784	9,400	616	14,129	15,512	1,383	21,361	23,337	1,976	33,203	34,987	1,784
Nevada	7,299	7,427	127	13,836	14,207	372	22,057	21,921	-136	36,816	36,040	-776
Oregon	22,006	22,417	411	31,092	31,858	766	45,105	44,893	-212	62,724	63,345	620
Washington	35,142	35,922	780	58,824	60,451	1,627	85,418	86,275	858	127,578	128,800	1,222

new treatment of government investment.⁹ The revisions to nonfarm housing services and to pipelines, except natural gas mainly reflect the incorporation of the August 1996 revisions to national GPO estimates for these industries.¹⁰ The revisions to wholesale trade mainly reflect the shift of the Federal excise tax on gasoline and gasohol from petroleum and coal products in manufacturing to wholesale trade.¹¹

Real growth rates.—Most States have revisions (upward or downward) of 0.5 percentage point or less to the growth rates in real GSP for 1987–92 (table 5). Only nine States had revisions of more than 0.5 percentage point: Wyoming, Arizona, Texas, New Jersey, Georgia, Alaska, Louisiana, Delaware, and North Dakota. For all nine States, the revisions mainly reflect the incorporation of statistical changes into the current-dollar estimates; the incorporation of the chain-type measure of real GSP accounts for a small part of the revisions, as would be expected for the years close to the base period of 1992.

Major sources of the revisions

The GSP estimates for all industries and years are now controlled to the national estimates of GPO by industry that were published in August 1996.¹² This section focuses on the new or improved State data sources that were incorporated

9. Recognition of government expenditures for structures and equipment as fixed investment results in the inclusion of the services of government fixed assets—measured as depreciation, or consumption of fixed capital—in general government GSP. In the previously published estimates, general government GSP was defined to consist only of compensation of employees.

10. The large upward revisions to GPO of nonfarm housing services resulted from the incorporation of the newly available data from the 1991 Residential Finance Survey on rental payments and on the value of tenant- and owner-occupied units.

11. This shift was instituted in the August 1996 revisions to the national estimates of GPO.

12. See "Improved Estimates of Gross Product by Industry, 1959–94," SURVEY 76 (August 1996): 133–155.

into the estimates for particular industries and years.

Private goods-producing industries.—The estimates of GSP for mining for most nonbenchmark years are derived by using data on value of production to interpolate or extrapolate the benchmark-year estimates of GSP. For metal mining and for "nonmetallic minerals, except fuels," the value of production is based on data from the Department of the Interior (DOI). For coal mining and for oil and gas extraction, the value of production is calculated from Department of Energy (DOE) data by multiplying the quantity produced by the average price. Previously, unpublished BEA estimates of wage and salary accruals by State were used to interpolate or extrapolate the benchmark-year estimates of GSP for mining; wage and salary accruals continue to be used for nonbenchmark years for which the data on value of production are not available.¹³

The estimates of GSP for manufacturing are based on data on value-added-in-production from the Census Bureau.¹⁴ When the Census Bureau suppresses these data in order to protect the confidentiality of the data for a firm, BEA must estimate the suppressed data. These estimates of value-added-in-production are now prepared in three steps. First, Census Bureau data on payrolls are interpolated or extrapolated by using unpublished BEA estimates of wage and salary accruals

13. In general, the State estimates of wage and salary accruals were made by adjusting BEA State estimates of wage and salary disbursements for the difference between accruals and disbursements and then controlling the results to the national estimates of wage and salary accruals. For some States, data on value of production are not available for some years in 1978–81, 1983–86, 1988–91, and 1993–94.

14. The Census Bureau data are the only source of value-added-in-production by State. BEA's definition of value added differs from that of the Census Bureau because BEA's definition excludes the cost of purchased services, includes sales, excise, and other indirect business taxes, and reflects inventory change valued at replacement cost.

Table 4.—Revisions to Gross State Product for Selected States, Benchmark Years

	In millions of current dollars					As a percentage of previously published				
	1977	1982	1987	1992	Average of 4 years	1977	1982	1987	1992	Average of 4 years
States with largest upward percentage revisions:										
Hawaii	616	1,383	1,976	1,784	1,440	7.0	9.8	9.3	5.4	7.9
New York	8,025	13,179	22,199	28,000	17,851	4.8	5.0	5.6	5.6	5.2
Virginia	1,812	3,671	6,952	6,750	4,796	4.3	5.3	6.1	4.4	5.0
Florida	2,846	7,050	8,340	11,172	7,352	4.5	6.0	4.2	4.2	4.7
Maryland	1,522	2,498	2,852	2,939	2,453	4.5	4.7	3.2	2.5	3.7
United States	25,912	55,966	103,656	140,965	81,625	1.3	1.8	2.3	2.4	1.9
States with largest downward percentage revisions:										
Louisiana	-709	428	1,338	-5,457	-1,100	-1.8	.5	1.8	-5.7	-1.3
Idaho	-129	-85	-148	-744	-276	-1.8	-.8	-1.1	-3.6	-1.8
Montana	-73	-352	-215	-151	-198	-1.1	-3.3	-1.8	-1.0	-1.8
Mississippi	-386	-774	-638	-980	-694	-2.4	-3.1	-1.9	-2.2	-2.4
Alaska	49	-752	142	-3,715	-1,069	.7	-3.2	.7	-14.3	-4.0

by State.¹⁵ Second, Census Bureau data on the ratio of value-added-in-production to payrolls are interpolated or extrapolated with a "straight-line" method. Third, the payrolls are multiplied by the

ratios of value added to payrolls to yield the estimates of value added. Previously, when the data were suppressed, value-added-in-production was estimated on the basis of employment data from the Census Bureau's *County Business Patterns*.

15. The Census Bureau collects data on payrolls directly from employers; wage and salary accruals are estimated from BEA wage and salary disbursements, which are based on Bureau of Labor Statistics tabulations of wage and salary disbursements for employees covered by unemployment insurance.

Private services-producing industries.—For railroad transportation, transportation by air, and

Table 5.—Revisions to Average Annual Rates of Change in Real Gross State Product, 1987–92

	Previously published		Revised	Difference		
	Based on data using fixed weights (1987=100)	Recalibrated based on chain-type quantity indexes (1992=100)	Based on chain-type quantity indexes (1992=100)	Total (3)-(1)	Due to incorporation of statistical changes (3)-(2)	Due to incorporation of chain-type measure (4)-(5)
	(1)	(2)	(3)	(4)	(5)	(6)
United States	1.9	2.0	2.0	0.1	0	0.1
New England .....	.7	.8	.5	-.2	-.3	.1
Connecticut .....	.8	.9	1.2	.4	.3	.1
Maine	1.2	1.2	.7	-.5	-.5	0
Massachusetts .....	.4	.6	0	-.4	-.6	.2
New Hampshire .....	.8	.9	.7	-.1	-.2	.1
Rhode Island .....	.4	.6	.9	.5	.3	.2
Vermont	1.8	1.8	2.2	.4	.4	0
Mideast	1.2	1.5	1.4	.2	-.1	.3
Delaware	4.5	4.9	3.5	-1.0	-1.4	.4
District of Columbia	1.7	1.8	2.2	.5	.4	.1
Maryland	1.4	1.7	1.5	.1	-.2	.3
New Jersey	1.4	1.6	2.0	.6	.4	.2
New York .....	.8	1.0	.8	0	-.2	.2
Pennsylvania	1.6	1.7	1.9	.3	.2	.1
Great Lakes	1.6	1.6	1.6	0	0	0
Illinois	1.7	1.9	1.8	.1	-.1	.2
Indiana	2.2	2.1	2.2	0	.1	-.1
Michigan .....	.6	.6	.5	-.1	-.1	0
Ohio	1.4	1.5	1.4	0	-.1	.1
Wisconsin	2.6	2.7	2.7	.1	0	.1
Plains	2.1	2.3	2.1	0	-.2	.2
Iowa	2.7	2.9	2.6	-.1	-.3	.2
Kansas	1.5	1.6	1.4	-.1	-.2	.1
Minnesota	2.7	2.9	2.4	-.3	-.5	.2
Missouri	1.1	1.1	1.3	.2	.2	0
Nebraska	3.6	3.9	3.5	-.1	-.4	.3
North Dakota	2.0	2.3	1.3	-.7	-1.0	.3
South Dakota	3.4	3.6	3.1	-.3	-.5	.2
Southeast	2.3	2.4	2.2	-.1	-.2	.1
Alabama	2.1	2.1	2.2	.1	.1	0
Arkansas	3.1	3.1	3.1	0	0	0
Florida	2.5	2.6	2.6	.1	0	.1
Georgia	2.2	2.4	2.8	.6	.4	.2
Kentucky	2.8	2.8	2.5	-.3	-.3	0
Louisiana	1.2	1.5	-.1	-1.3	-1.6	.3
Mississippi	2.0	2.1	2.1	.1	0	.1
North Carolina	2.9	2.8	2.4	-.5	-.4	-.1
South Carolina	3.0	3.1	2.5	-.5	-.6	.1
Tennessee	2.5	2.5	2.4	-.1	-.1	0
Virginia	1.9	2.0	1.7	-.2	-.3	.1
West Virginia	2.2	2.2	1.9	-.3	-.3	0
Southwest	2.5	2.6	3.2	.7	.6	.1
Arizona	1.5	1.6	2.4	.9	.8	.1
New Mexico	4.1	4.0	3.6	-.5	-.4	-.1
Oklahoma	1.1	1.4	1.6	.5	.2	.3
Texas	2.8	2.9	3.6	.8	.7	.1
Rocky Mountain	3.1	3.3	3.2	.1	-.1	.2
Colorado	2.8	3.0	2.8	0	-.2	.2
Idaho	4.9	5.2	4.6	-.3	-.6	.3
Montana	1.9	2.2	2.4	.5	.2	.3
Utah	3.9	3.9	3.5	-.4	-.4	0
Wyoming	1.8	1.9	3.3	1.5	1.4	.1
Far West	2.4	2.5	2.6	.2	.1	.1
Alaska	1.7	1.9	-1.4	-3.1	-3.3	.2
California	1.7	1.9	2.2	.5	.3	.2
Hawaii	4.9	5.2	4.4	-.5	-.8	.3
Nevada	7.3	7.4	6.8	-.5	-.6	.1
Oregon	3.1	3.2	3.4	.3	.2	.1
Washington	4.4	4.4	4.4	0	0	0

electric utilities, the estimates of other GSP excluding proprietors' income—referred to as “other capital charges”—for 1992–94 are now based on tabulations of company net income and expenses from DOI and from the Department of Transportation.¹⁶ Previously, the estimates for 1992 were based on unpublished BEA estimates of wage and salary accruals by State.

For local and interurban passenger transit, telephone and telegraph communications, radio and television, and sanitary services, the estimates of other capital charges for 1992 are now based on newly available data on revenues and payrolls from the census of transportation, communications, and utilities.¹⁷ Previously, the estimates for 1992 were based on unpublished BEA estimates of wage and salary accruals by State.

For nondepository institutions, security and commodity brokers, holding and other investment offices, insurance carriers, and insurance agents, brokers, and service, the estimates of other capital charges for 1992 are now based on newly available data on revenues and payrolls from the census of financial, insurance, and real estate industries. Previously, the estimates for 1992 were based on unpublished BEA estimates of wage and salary accruals by State.

For the real estate industry, direct estimates of other capital charges are now made for “other real estate.”¹⁸ For 1992, these estimates are based on newly available data on revenues and payrolls from the census of financial, insurance, and real estate industries; for other years, they are based on unpublished BEA estimates of wage and salary accruals by State.

For nonfarm housing services, the estimates of other capital charges for nonbenchmark years

are derived by using BEA estimates of nonfarm personal income to interpolate or extrapolate benchmark-year estimates of other capital charges; previously, BEA estimates of personal income were used.

For the motion picture industry, health services, social services, and other services, the estimates of other capital charges for 1992 are now based on data on revenues and payrolls from the census of service industries. Previously, the estimates for 1992 were based on unpublished BEA estimates of wage and salary accruals by State because the data on revenues and payrolls were incomplete.

Government.—Estimates of the consumption of fixed capital are now incorporated into the estimates of GSP. For all years, the GSP estimates are based on BEA employment estimates for the Federal Government and for State and local general government and on data on revenues and expenses from the census of governments for State and local government enterprises.¹⁹

All industries.—Estimates of the sales and gross receipts tax component of indirect business tax and nontax liability are now based on special tabulations that BEA prepared from State tax collection reports for 1977–93 for 44 States. Previously, the special tabulations were prepared from tax collection reports for 1977–87 and covered only 30 States.

Presentational changes

The estimates of real GSP by industry are now presented in chained (1992) dollars (table 10); the line “not allocated by industry” reflects the nonadditivity characteristic of the chained-dollar estimates (see the “note” to the table). In addition, the chain-type measures of real GSP by

16. In the electric, gas, and sanitary services industry, other capital charges are estimated for each of the three components—electric utilities, gas utilities, and sanitary services.

17. In the communications industry, other capital charges are estimated for each of the two components—telephone and telegraph and radio and television.

18. Previously, other capital charges for “other real estate” were estimated by subtracting compensation of employees, indirect business tax and nontax liability, and proprietors' income from total GSP for other real estate.

19. The GSP estimates for the Federal military do not include estimates of the consumption of fixed capital for military structures abroad and for military equipment, except office equipment, because the lack of adequate source data prevents the allocation of these estimates to particular States. Consumption of fixed capital for military equipment is included in both GDP and Federal Government GPO.

Table 6.—Quantity Indexes for Gross State Product by Industry for California, Selected Years

[1992=100]

	1977	1982	1987	1988	1989	1990	1991	1992	1993	1994
Total gross state product	59.5	68.8	89.8	95.2	99.7	102.4	100.6	100.0	99.1	100.9
Agriculture, forestry, and fishing	42.7	60.2	81.3	76.5	78.2	92.7	88.3	100.0	99.2	104.4
Mining	119.5	118.6	107.6	122.3	109.9	118.4	108.2	100.0	86.3	103.2
Construction	91.2	75.1	121.9	127.5	132.6	128.1	110.5	100.0	94.4	98.7
Manufacturing	60.4	75.1	98.3	106.1	107.4	106.4	103.6	100.0	100.7	103.7
Transportation and public utilities	60.5	70.6	88.8	90.3	96.6	101.7	99.4	100.0	103.6	107.1
Wholesale trade	43.9	53.7	78.0	83.9	90.8	91.0	94.4	100.0	99.6	106.4
Retail trade	61.3	69.1	91.3	97.6	102.2	103.0	100.3	100.0	100.6	103.5
Finance, insurance, and real estate	53.7	62.6	85.3	92.6	98.4	102.4	101.6	100.0	97.1	97.6
Services	53.5	66.2	86.6	91.6	97.0	101.3	99.7	100.0	99.6	99.8
Government	80.2	81.9	91.6	94.0	97.1	99.7	100.4	100.0	98.3	97.7

industry are also available as quantity indexes; for example, see [table 6](#). (For a discussion of the new chain-type measures, see the [technical note](#) at the end of this article.) The tables presenting fixed-weighted measures of real GSP have been dropped.²⁰

Methodology

This section discusses the methodology—that is, the source data and estimating procedures—used to prepare the GSP estimates. The following methodology was used to prepare both the GSP estimates that were published in August 1994 and May 1995 and the revised estimates:

- State estimates by industry and by component are controlled to national totals of GPO by industry and by component.
- State source data are used in estimating compensation of employees, indirect business tax and nontax liability, and proprietors' income for all years and industries; other capital charges for benchmark years for most industries; and other capital charges for all years for farms and government and for all years except 1979–81 for manufacturing.²¹
- Interpolation or extrapolation is used in estimating other capital charges for most non-

20. Tables presenting the chain-type and the fixed-weighted measures of real GSP are available on diskettes; see the box "Data Availability."

21. The Census Bureau's annual survey of manufactures—the source data for manufacturing—was not tabulated for States for 1979–81 because of budget constraints.

Data Availability

Detailed estimates of GSP in current dollars for 1977–94 and of real GSP in chained (1992) dollars for 1982–94 for 63 industries for States, BEA regions, and the United States are available online from the Commerce Department's STAT-USA on the Economic Bulletin Board (EBB) and the Internet. For subscription information, call (202) 482-1986, or see <http://www.stat-usa.gov>.

In addition, the following detailed estimates are available from BEA on diskette: Current-dollar estimates of GSP and its three components for 1977–94, and real GSP estimates in fixed-weighted (1992) dollars and as chain-type quantity indexes for 1977–94 and in chained (1992) dollars for 1982–94.¹ The diskettes include a Windows program so that selected records from the data files can be imported into computer spreadsheets. Orders should specify BEA accession no. 61-97-40-424 (two diskettes, \$40). Send your orders, along with a check or money order payable to "Bureau of Economic Analysis," to Public Information Office, Order Desk, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington DC 20230. To order using Visa or MasterCard, call (202) 606-3700. For further information, e-mail gspread@bea.doc.gov, or call (202) 606-5340.

1. The GSP estimates will also be available on the Regional Economic Information System (REIS) CD-ROM that is scheduled to be released in August 1997.

benchmark years for mining, construction, and private services-producing industries and for 1979–81 for manufacturing.

For the revised GSP estimates, the following major new source data are incorporated: Additional State data on sales, on sales taxes, and on gross receipts taxes to estimate indirect business tax and nontax liability; additional State data on income and expenses by company to estimate other capital charges for the transportation and public utilities industry; State data on receipts and payrolls to estimate other capital charges for the private services-producing industries that were covered by economic censuses for the first time in 1992; and State data on Federal Government and State and local government employment to estimate the consumption of fixed capital by government.²²

Next, the source data and estimating procedures are discussed by component for the revised set of GSP estimates.

Compensation of employees

The annual estimates by State and industry of two components of compensation of employees—wage and salary accruals and other labor income—are based on BEA's State personal income series.²³ Wage and salary accruals are then used to allocate to States employer contributions for social insurance—the component of compensation of employees not measured in the personal income series.²⁴

Indirect business tax and nontax liability

Indirect business tax and nontax liability consists of a State and local government component and a Federal Government component. The State and local government component mainly consists of nonpersonal property taxes, licenses, nontax liabilities, and sales and gross receipts taxes. For taxes on nonpersonal property other than farm and residential, for licenses, and for nontax liabilities, annual State estimates by industry are based on Census Bureau data on taxes collected by type and State, which are controlled to BEA national totals of taxes collected by type and industry. For taxes on farm property, annual estimates by State are based on data from the U.S. Department

22. See [footnote 9](#).

23. See [footnote 13](#).

24. For a description of the methodology used to prepare the estimates of State personal income, see U.S. Department of Commerce, Bureau of Economic Analysis, *State Personal Income, 1929–93* (Washington, DC: U.S. Government Printing Office, 1995).

of Agriculture (USDA), and for taxes on residential property, the estimates are based on Census Bureau data on the assessed value of residential property by State. For sales and gross receipts taxes, annual estimates by State are based on Census Bureau data on taxes collected by State, which are controlled to national totals by industry and to special tabulations by State and industry that are prepared from State tax collection reports.

The Federal Government component consists of nontax liabilities and excise taxes on goods and services. The data used to estimate excise taxes and selected nontax liabilities are shown in table 7. Other nontax liabilities are estimated using BEA estimates of compensation of employees.

Other GSP

Other GSP consists of proprietors' income and other capital charges. Proprietors' income is based on BEA's State personal income series.

For other capital charges, the source data and estimating procedures vary. For about one-half of the 63 industries for which GSP estimates are prepared, the source data and procedures used for estimating other capital charges for benchmark years are also used for some or all nonbenchmark years; for the nonbenchmark years for which the benchmark-year procedures cannot be used, the estimates are interpolated or extrapolated from the benchmark-year estimates (for the source data used, see table 8). For the bench-

Table 7.—Major Sources of State Data for the Estimates of Federal Indirect Business Tax and Nontax Liability by Industry

Product or activity taxed	Major source of data	Industry affected
Excise taxes:		
Coal mining	Production of coal from DOE	Coal mining.
Gasoline and gasohol	Payments into highway trust fund attributable to highway users from DOT.	Wholesale trade.
Alcoholic beverages	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Food and kindred products.
Tobacco	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Tobacco products.
Petroleum	Refinery input of crude oil from DOE	Petroleum and coal products.
Tires	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Rubber and miscellaneous plastics products.
Heavy-duty trucks	Payments into highway trust fund attributable to highway users from DOT.	Motor vehicles and equipment through 1982 and wholesale trade thereafter.
"Gas guzzlers"	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Motor vehicles and equipment.
Chemicals and vaccines	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Chemicals and allied products.
Firearms and ammunition	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Fabricated metal products.
Electric outboard motors and sonar devices	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Electronic and other electric equipment.
Sport fishing equipment, bows, and arrows	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Miscellaneous manufacturing industries.
Transportation of persons and property by air	Passenger and freight enplanements from DOT	Transportation by air.
Telephone and teletypewriter services	Unpublished estimates of wage and salary accruals from BEA.	Communications.
Nuclear waste disposal	Generation of nuclear power from DOE	Electric, gas, and sanitary services.
Highway use by heavy vehicles	Payments into highway trust fund attributable to highway users from DOT.	Trucking and warehousing, wholesale trade, and retail trade.
Fuel used commercially on inland waterways	Wage and salary disbursements for employees covered by unemployment insurance from BLS. ¹	Water transportation.
Diesel and special motor fuels	Payments into highway trust fund attributable to highway users from DOT.	Retail trade through 1987 and wholesale trade thereafter.
Aviation fuel (commercial and noncommercial) and gasoline used in noncommercial aviation fuel.	Consumption of aviation gas and nongas fuel from DOE	Wholesale trade.
Firearms transfer	Personal income from BEA	Retail trade.
Luxury retail	Personal income from BEA	Retail trade.
Imported products ²	Collections of customs duties by port from DOT	Wholesale trade.
Policies issued by foreign insurers	Unpublished estimates of wage and salary accruals from BEA.	Insurance carriers.
Wagering	Selected State and local amusement tax collections from Census Bureau.	Amusement and recreation services.
Nontax liabilities:		
Grazing fees	Grazing receipts from Federal lands from DOI	Farms.
Onshore and offshore mining rents and royalties	Federal rents and royalties from DOI	Real estate.
Miscellaneous rents and royalties	Unpublished estimates of wage and salary accruals from BEA.	Real estate.
Federal Reserve banking (assessments)	Assessments on Federal Reserve banks from FRB	Depository institutions.

1. Wage and salary disbursements are at the 4-digit Standard Industrial Classification level of industry detail; this level of industry detail facilitates the allocation of indirect business tax and nontax liability to States. Wage and salary accruals are not available at the 4-digit level.

2. The imported petroleum products tax was shifted from petroleum and coal products, beginning with 1990, and the imported chemical products tax was shifted from chemicals and allied products, beginning with 1990.

BEA Bureau of Economic Analysis
 BLS Bureau of Labor Statistics
 DOE U.S. Department of Energy
 DOI U.S. Department of Interior
 DOT U.S. Department of Transportation
 FRB Federal Reserve Board

Table 8.—Major Sources of State Data for the Estimates of Other Capital Charges by Industry

Industry	Benchmark years ¹	Nonbenchmark years
Agriculture, forestry, and fishing:		
Farms ²	Farm income and expenses from USDA	Same as benchmark.
Agricultural services, forestry, and fishing	Unpublished estimates of wage and salary accruals from BEA	Same as benchmark.
Mining ²	Value added and payrolls from census of mineral industries	Interpolated or extrapolated using value of production from DOI and DOE or unpublished estimates of wage and salary accruals from BEA.
Construction ²	Value added and payrolls from census of construction industries	Interpolated or extrapolated using earnings from BEA.
Manufacturing ²	Value added and payrolls from census of manufactures	For 1978 and nonbenchmark years in 1983–94, value added and payrolls from Census Bureau annual survey of manufactures. For 1979–81, interpolated using unpublished estimates of wage and salary accruals from BEA.
Transportation and public utilities:		
Railroad transportation	For 1987 and 1992: For Class I railroads and for Class II railroads as a group, revenue ton-miles and revenues and expenses from ICC (now DOT). For Amtrak, revenues and expenses from Amtrak; State distribution of Amtrak passenger boardings from Census Bureau. ³ For 1977 and 1982, extrapolated backward using unpublished estimates of wage and salary accruals from BEA.	For nonbenchmark years in 1988–94, same as benchmark for 1987 and 1992. For nonbenchmark years in 1978–86, extrapolated backward using unpublished estimates of wage and salary accruals from BEA.
Local and interurban passenger transit	For 1992, revenues and payrolls from census of transportation, communications, and utilities. For 1977, 1982, and 1987, unpublished estimates of wage and salary accruals from BEA.	Interpolated or extrapolated using unpublished estimates of wage and salary accruals from BEA.
Trucking and warehousing, water transportation, and transportation services.	For 1987 and 1992, revenues and payrolls from census of transportation and census of transportation, communications, and utilities, respectively. For 1977 and 1982, unpublished estimates of wage and salary accruals from BEA.	Interpolated or extrapolated using unpublished estimates of wage and salary accruals from BEA.
Transportation by air	Income and expenses by company and passenger, cargo, and mail enplanements from DOT. ⁴	For nonbenchmark years in 1988–94, same as benchmark. For nonbenchmark years in 1978–86, interpolated using unpublished estimates of wage and salary accruals from BEA.
Pipelines, except natural gas	For 1987, miles and diameter of oil pipeline by company and income and expenses by company from DOE. ⁴ For 1977, 1982, and 1992, extrapolated backward or forward using unpublished estimates of wage and salary accruals from BEA.	For 1988–91, same as benchmark for 1987. For nonbenchmark years in 1978–86 and for 1993–94, extrapolated backward or forward using unpublished estimates of wage and salary accruals from BEA.
Communications:		
Telephone and telegraph	For 1992, revenues and payrolls from census of transportation, communications, and utilities. For 1977, 1982, and 1987, income and expenses by company and miles of wire by company from FCC. ⁴	For 1988–90, same as benchmark for 1977, 1982, and 1987. For nonbenchmark years in 1978–86 and for 1991, 1993, and 1994, interpolated or extrapolated using unpublished estimates of wage and salary accruals from BEA.
Radio and television	For 1992, revenues and payrolls from census of transportation, communications, and utilities. For 1977, 1982, and 1987, extrapolated backward using unpublished estimates of wage and salary accruals from BEA.	Extrapolated backward or forward using unpublished estimates of wage and salary accruals from BEA.
Electric, gas, and sanitary services:		
Electric utilities	Income and expenses by company and electric generating capacity by company from DOE. ⁴	For nonbenchmark years in 1988–94, same as benchmark. For nonbenchmark years in 1978–86, interpolated using unpublished estimates of wage and salary accruals from BEA.
Gas utilities	For 1987, volume of interstate natural gas movements by company, income and expenses by company, and deliveries of natural gas to final consumers from DOE. ⁴ For 1977, 1982, and 1992, extrapolated backward or forward using unpublished estimates of wage and salary accruals from BEA.	For 1988–91, same as benchmark for 1987. For nonbenchmark years in 1977–86 and for 1993–94, extrapolated backward or forward using unpublished estimates of wage and salary accruals from BEA.
Sanitary services	For 1992, revenues and payrolls from census of transportation, communications, and utilities. For 1977, 1982, and 1987, extrapolated backward using unpublished estimates of wage and salary accruals from BEA.	Extrapolated backward or forward using unpublished estimates of wage and salary accruals from BEA.
Trade	Sales and payrolls from census of wholesale and retail trade	Interpolated or extrapolated using unpublished estimates of wage and salary accruals from BEA.
Finance, insurance, and real estate:		
Depository institutions	Income and expenses from FDIC, FRB, OTS, and FHLBB	For nonbenchmark years in 1984–94, same as benchmark. For 1978–81 and 1983, interpolated using unpublished estimates of wage and salary accruals from BEA.
Nondepository institutions; security and commodity brokers; insurance carriers; and insurance agents, brokers, and service.	For 1992, revenues and payrolls from census of financial, insurance, and real estate industries. For 1977, 1982, and 1987, unpublished estimates of wage and salary accruals from BEA.	Interpolated or extrapolated using unpublished estimates of wage and salary accruals from BEA.
Real estate:		
Nonfarm housing services	For 1980 and 1990, number and value of owner-occupied dwellings and number and rental value of renter-occupied dwellings from census of housing.	For 1977–79, extrapolated backward using nonfarm personal income from BEA. For nonbenchmark years in 1981–94, interpolated or extrapolated using nonfarm personal income from BEA.
Other real estate	For 1992, revenues and payrolls from census of financial, insurance, and real estate industries. For 1977, 1982, and 1987, extrapolated backward using unpublished estimates of wage and salary accruals from BEA.	Extrapolated backward or forward using unpublished estimates of wage and salary accruals from BEA.

mark years, the procedures used to estimate other capital charges for an industry largely depend on the source data available for that industry.

Private goods-producing industries.—For the farms, mining, construction, and manufacturing industries, the estimates of other capital charges are derived as a residual. First, total GSP is estimated, and then compensation of employees, indirect business tax and nontax liability, and proprietors' income are subtracted to derive other capital charges.

For farms, the GSP estimates are based on data on farm income and expenses from USDA.

For mining, construction, and manufacturing, the GSP estimates are based on Census Bureau data on value-added-in-production. These data are then adjusted so that they conform to BEA's definition of value added.²⁵ Three adjustments are made to the data for mining and manufacturing by detailed industry and for construction. First, the data for central administrative offices

of multiestablishment firms are reassigned from the States where the operating establishments that are administered by the central offices are located to the States where the offices are located. Second, the cost of purchased services is subtracted from the data. Third, the data are adjusted to conform with the establishment-industry distribution in BEA's estimates of wage and salary disbursements.²⁶

In addition, for construction, another adjustment is made. Rental payments for machinery and equipment are subtracted, and the adjusted value added is reassigned from the State of the construction establishment to the State where the construction is performed.²⁷

Private services-producing industries.—The estimates of other capital charges for the following industries are based on data on revenues (sales) and payrolls from economic censuses or on

26. For more information about these adjustments, see U.S. Department of Commerce, Bureau of Economic Analysis, *Experimental Estimates of Gross State Product by Industry* (Washington, DC: U.S. Government Printing Office, 1985): 24–26.

27. For more information, see *Experimental Estimates*, 26.

25. See footnote 14.

Table 8.—Major Sources of State Data for the Estimates of Other Capital Charges by Industry—Continued

Industry	Benchmark years ¹	Nonbenchmark years
Holding and other investment offices	For 1992, revenues and payrolls from census of financial, insurance, and real estate industries. For 1977, 1982, and 1987, extrapolated backward using unpublished estimates of wage and salary accruals from BEA.	Extrapolated backward or forward using unpublished estimates of wage and salary accruals from BEA.
Services	Sales and payrolls from census of service industries or unpublished estimates of wage and salary accruals from BEA.	Interpolated or extrapolated using unpublished estimates of wage and salary accruals from BEA.
Government:		
Federal:		
General government:		
Consumption of fixed capital	Employment from BEA	Same as benchmark.
Government enterprises:		
Consumption of fixed capital	Employment from BEA	Same as benchmark.
Subsidies less current surplus	Generating capacity of Federal power authorities from Moody's; active, retired, and reserve military from DOD; canteen sales from DVA; ⁵ postal service revenues from USPS; ⁶ volume of FHA mortgage insurance operations from HUD; premiums and indemnities of the Federal Crop Insurance Corporation from USDA; premiums received and amounts paid for losses by national flood insurance program from FEMA; capacity utilization from UEE.	Same as benchmark.
State and local:		
General government:		
Consumption of fixed capital	Employment from BEA	Same as benchmark.
Government enterprises:		
Consumption of fixed capital	Revenues and expenses for 15 types of enterprises from census of governments.	Same as benchmark.
Subsidies less current surplus	Revenues and expenses for 15 types of enterprises from census of governments.	Revenues and expenses for 15 types of enterprises from census of government finances.

1. For all industries except nonfarm housing services, benchmark years are 1977, 1982, 1987, and 1992; for nonfarm housing services, benchmark years are 1980 and 1990.

2. GSP is estimated with source data, and other capital charges are then calculated as the difference between GSP and the sum of compensation of employees, proprietors' income, and indirect business tax and nontax liability.

3. Class I railroads are those with annual gross revenues of more than \$50 million, and Class II railroads are those with annual gross revenues of \$10–\$50 million. Revenues and expenses for Class I railroads, for Class II railroads as a group, and for Amtrak are not available by State.

4. Income and expenses by company are not available by State.

5. Available for 1992 and for nonbenchmark years 1990–91 and 1993–94. For all other years, canteen sales are extrapolated backward using number of patient discharges from DVA.

6. Available for 1987 and 1992 and for nonbenchmark years 1988–91 and 1993–94. For all other years, postal service revenues are extrapolated backward using personal income from BEA.

NOTE.—Other capital charges equals total gross state product (GSP) less compensation of employees, indirect business tax and nontax liability, and proprietors' income.

BEA Bureau of Economic Analysis

- DOD U.S. Department of Defense
- DOE U.S. Department of Energy
- DOT U.S. Department of Transportation
- DOI U.S. Department of the Interior
- DVA U.S. Department of Veterans Affairs
- FCC Federal Communications Commission
- FDIC Federal Deposit Insurance Corporation
- FEMA Federal Emergency Management Agency
- FHA Federal Housing Administration
- FHLBB Federal Home Loan Bank Board
- HUD U.S. Department of Housing and Urban Development
- ICC Interstate Commerce Commission
- OTS Office of Thrift Supervision
- UEE Uranium Enrichment Enterprise
- USDA U.S. Department of Agriculture
- USPS U.S. Postal Service

unpublished BEA estimates of wage and salary accruals by State: The trade and services industries; most finance, insurance, and real estate industries; and six transportation and public utilities industries—local and interurban passenger transit, trucking and warehousing, water transportation, transportation services, radio and television, and sanitary services.

The estimates of other capital charges for the following industries are based on data on income and expenses from financial reports that firms file with Federal agencies or on unpublished BEA estimates of wage and salary accruals by State: Depository institutions and the other six transportation and public utilities industries—railroad transportation, transportation by air, pipelines except natural gas, telephone and telegraph communications, electric utilities, and gas utilities.

For nonfarm housing services, the estimates of other capital charges are based on data on the number and value of dwellings from the census of housing.

Government.—For government, other capital charges consist of subsidies less current surplus of government enterprises and the consumption of fixed capital. The estimates of subsidies less current surplus are based on data on revenues and expenses and on related statistics.²⁸

The estimates of the consumption of fixed capital for Federal civilian government, for State and local general government, and for Federal military domestic structures and office equipment are based on BEA employment estimates. The estimates of the consumption of fixed capital for State and local government enterprises are based on data on revenues and expenses.

Technical Note: Chain-Type Measures of Real GSP

As part of this comprehensive revision of GSP by industry, BEA introduces chain-type measures of real GSP. This note describes the calculation of these measures and discusses some of their advantages and limitations.

The estimation of GSP by State and industry consists of two broad computational stages: (1) The estimation of current-dollar values, and (2) the separation of the current-dollar values into a price-change element and a quantity-change element. The quantity-change element has been referred to as the change in “constant-dollar” GSP

or sometimes as the change in “real” GSP. However, real GSP cannot be observed or collected directly from source data as current-dollar GSP can; real GSP is an analytical concept—an index that measures aggregate quantities of disparate commodities.

In the past, the measures of change in real GSP were calculated by fixing the valuations of GSP in a period (base year) and holding those valuations fixed over all the years for which GSP estimates are produced. However, these “fixed-weighted” measures of real GSP tend to misstate growth as one moves further from the base period—usually understating growth before the base year and overstating it after the base year. This tendency, often referred to as the “substitution bias,” reflects the fact that the commodities for which output grows rapidly tend to be those for which prices increase less than average or decline. To correct for this bias, BEA introduced chain-type measures of real GDP in 1992. In 1996, BEA extended the use of chain-type measures to the national estimates of gross product originating by industry. Now, the use of chain-type measures has been extended to the GSP estimates by State and industry.

Beginning with this comprehensive revision of GSP, annual chain-type quantity indexes are the measures of real GSP. Each link in the chain-type quantity index is a Fisher quantity index for 2 adjacent years. Each annual Fisher quantity index, in turn, is the geometric mean of the Laspeyres and Paasche quantity indexes for the 2 adjacent years. The Laspeyres quantity index uses the prices of the first year to weight the quantities in the 2 adjacent years. The Paasche quantity index uses the prices of the second year to weight the quantities. In the following formulas, L refers to the Laspeyres quantity index, P refers to the Paasche quantity index, F refers to the Fisher quantity index, C refers to the Fisher chain-type quantity index, i refers to the number of detailed industries for which GSP is estimated, and p and q refer to detailed prices and quantities, respectively.

The Laspeyres quantity index for GSP is defined as

$$L_{1,2} = \frac{\sum_i (p_{i,1} q_{i,2})}{\sum_i (p_{i,1} q_{i,1})}$$

The Paasche quantity index for GSP is defined as

$$P_{1,2} = \frac{\sum_i (p_{i,2} q_{i,2})}{\sum_i (p_{i,2} q_{i,1})}$$

28. See table 8.

The Fisher quantity index is defined as the geometric mean of the Laspeyres and Paasche quantity indexes as follows:

$$F_{1,2} = \sqrt{L_{1,2} \times P_{1,2}}$$

$$= \sqrt{\frac{\sum_i (p_{i,1} q_{i,2})}{\sum_i (p_{i,1} q_{i,1})} \times \frac{\sum_i (p_{i,2} q_{i,2})}{\sum_i (p_{i,2} q_{i,1})}}$$

However, because the variables that represent the composites of prices in 1 year and quantities in an adjacent year (for example, $p_{i,1} q_{i,2}$) are not directly observable, the Fisher quantity indexes were actually calculated using an algebraically equivalent formula that consists of combinations of prices and quantities for the same year and indexes of relative prices for the 2 adjacent years:

$$F_{1,2} = \sqrt{\frac{\sum_i \frac{p_{i,1}}{p_{i,2}} (p_{i,2} q_{i,2})}{\sum_i (p_{i,1} q_{i,1})} \times \frac{\sum_i (p_{i,2} q_{i,2})}{\sum_i \frac{p_{i,2}}{p_{i,1}} (p_{i,1} q_{i,1})}}$$

These Fisher quantity indexes are then chained—annual indexes are multiplied by the previous year's index, with the base year (1992) set equal to 100—to derive the percent growth in real GSP relative to the base year, allowing for the effects of changes in relative prices and in the composition of output over time:

$$C_2 = C_1 \times F_{1,2}.$$

Real chained-dollar GSP estimates are then calculated as the product of the Fisher chain-type quantity index for each year (divided by 100) and of the current-dollar value for 1992 (the base year).

Using the Fisher chain-type quantity indexes reduces the substitution bias in real GSP growth, but there are some limitations. Although the annual weights provide more accurate estimates,

the chained (1992) dollars are not strictly additive, especially for periods far away from the base period. Many users of the previously published GSP estimates had found the additive property of real, or constant, dollars based on fixed-weighted indexes useful for analyses of long-term regional growth and for forecasting short- and long-term trends in their State's economy.

The GSP estimates in chained (1992) dollars are nearly additive *for years close to the base period*. The nonadditivity of the chained (1992) dollars is reflected in the residual “not allocated by industry,” which is calculated as the difference between the sum of the industry detail of real GSP and total real GSP (see [table 10](#)). For years close to the 1992 base year, this residual is small (less than an average of 0.1 percent of total GSP for the Nation for 1987–94), and the contributions to growth computed from the chained (1992) dollars are reasonable approximations of those computed from the chain indexes. However, for years far from the 1992 base year, the residual tends to become large, and the contributions to growth computed from the chained (1992) dollars can differ significantly from those computed from the chain indexes.

As discussed in the article “[BEA's Chain Indexes, Time Series, and Measures of Long-Term Economic Growth](#)” in the May 1997 SURVEY OF CURRENT BUSINESS, BEA recommends using estimates of real economic growth that are based on chain-type quantity indexes and on percent changes in the indexes for long-term periods (1929 to the present for GDP and 1977 to the present for GSP). The estimates in chained (1992) dollars should only be used for periods close to the base year (1982 to the present for GDP and GSP). For users who rely on real estimates that are denominated in dollars, the May article demonstrates how to prepare close approximations of contributions to growth or relative changes for any period.


Tables 9 and 10 and appendixes A and B follow. 

Table 9.—Gross State Product by Component in Current Dollars, Selected Years

[Millions of dollars]

	1977	1982	1987	1988	1989	1990	1991	1992	1993	1994
United States:										
Gross state product	1,981,660	3,200,516	4,651,838	5,039,428	5,366,174	5,661,950	5,837,351	6,135,028	6,430,519	6,835,641
Compensation of employees	1,175,373	1,912,850	2,738,836	2,955,257	3,132,593	3,331,619	3,434,492	3,627,099	3,793,923	3,994,620
Indirect business tax and nontax liability	165,477	256,424	364,842	385,521	414,724	442,638	478,101	505,591	540,025	572,504
Other gross state product	640,810	1,031,242	1,548,160	1,698,650	1,818,857	1,887,693	1,924,758	2,002,338	2,096,571	2,268,517
New England:										
Gross state product	103,889	170,926	287,598	313,804	331,339	337,657	341,063	353,152	369,433	389,259
Compensation of employees	65,746	109,870	176,056	193,085	202,259	207,367	207,255	215,683	224,732	234,585
Indirect business tax and nontax liability	10,165	13,455	20,922	21,934	23,539	24,889	26,429	27,455	29,334	30,968
Other gross state product	27,978	47,602	90,620	98,785	105,541	105,401	107,379	110,014	115,368	123,707
Connecticut:										
Gross state product	29,372	48,612	80,866	88,799	94,175	98,387	99,713	102,651	106,286	110,449
Compensation of employees	18,510	31,540	49,799	54,678	57,347	59,324	59,951	61,874	64,057	66,180
Indirect business tax and nontax liability	2,925	4,408	6,866	7,186	7,747	8,445	8,760	8,739	9,362	9,721
Other gross state product	7,938	12,664	24,202	26,934	29,080	30,618	31,002	32,038	32,867	34,548
Maine:										
Gross state product	7,547	12,053	19,300	21,369	22,838	23,233	23,247	24,013	25,069	26,069
Compensation of employees	4,602	7,463	11,367	12,571	13,559	14,093	14,027	14,524	14,960	15,321
Indirect business tax and nontax liability	703	991	1,676	1,784	1,936	2,019	2,130	2,324	2,449	2,642
Other gross state product	2,241	3,599	6,257	7,014	7,343	7,121	7,089	7,165	7,660	8,105
Massachusetts:										
Gross state product	49,971	81,642	138,973	150,831	158,353	159,254	160,284	165,805	174,826	186,199
Compensation of employees	32,050	53,114	86,189	94,401	98,244	100,111	99,783	103,868	108,793	114,519
Indirect business tax and nontax liability	5,028	5,741	8,587	9,009	9,619	9,852	10,453	10,947	11,839	12,603
Other gross state product	12,893	22,787	44,198	47,421	50,490	49,291	50,048	50,990	54,194	59,076
New Hampshire:										
Gross state product	6,366	11,449	21,473	23,090	24,038	23,825	24,808	26,118	27,221	29,393
Compensation of employees	3,910	7,100	12,394	13,634	14,190	14,276	14,147	14,998	15,662	16,690
Indirect business tax and nontax liability	528	850	1,497	1,571	1,777	1,891	2,224	2,338	2,462	2,616
Other gross state product	1,928	3,498	7,582	7,885	8,071	7,658	8,437	8,782	9,098	10,088
Rhode Island:										
Gross state product	7,280	11,399	17,756	19,446	20,814	21,479	21,562	22,387	23,298	23,867
Compensation of employees	4,653	7,217	10,952	11,914	12,578	12,970	12,673	13,351	13,842	14,125
Indirect business tax and nontax liability	655	987	1,434	1,486	1,547	1,715	1,803	1,958	2,019	2,115
Other gross state product	1,971	3,195	5,370	6,046	6,689	6,794	7,086	7,078	7,437	7,627
Vermont:										
Gross state product	3,354	5,770	9,230	10,269	11,122	11,479	11,449	12,177	12,734	13,282
Compensation of employees	2,021	3,435	5,355	5,888	6,339	6,593	6,675	7,069	7,418	7,751
Indirect business tax and nontax liability	326	477	863	898	914	967	1,059	1,149	1,203	1,270
Other gross state product	1,007	1,858	3,011	3,484	3,869	3,919	3,716	3,959	4,113	4,262
Mideast:										
Gross state product	399,189	614,644	939,197	1,024,404	1,080,280	1,133,451	1,158,768	1,214,179	1,265,865	1,327,798
Compensation of employees	248,542	386,110	566,819	615,538	649,477	686,162	697,361	730,722	758,915	789,990
Indirect business tax and nontax liability	36,849	49,646	76,074	78,451	85,222	90,413	97,880	103,363	110,704	116,635
Other gross state product	113,797	178,888	296,304	330,816	345,581	356,876	363,528	380,094	396,246	421,173
Delaware:										
Gross state product	5,792	9,188	15,458	16,724	19,207	20,907	22,240	23,427	24,340	26,697
Compensation of employees	3,683	5,901	8,780	9,589	10,459	11,049	11,430	11,777	12,287	12,997
Indirect business tax and nontax liability	361	542	934	972	1,054	1,094	1,226	1,325	1,344	1,429
Other gross state product	1,748	2,744	5,744	6,164	7,694	8,763	9,585	10,326	10,709	12,271
District of Columbia:										
Gross state product	15,228	22,301	31,984	35,205	38,123	40,839	42,706	45,240	47,294	48,028
Compensation of employees	11,681	17,425	24,658	27,164	29,043	30,972	32,582	34,282	35,651	36,607
Indirect business tax and nontax liability	585	929	1,493	1,533	1,769	1,783	1,953	1,993	2,219	2,248
Other gross state product	2,963	3,947	5,834	6,507	7,312	8,084	8,171	8,964	9,424	9,173
Maryland:										
Gross state product	35,396	55,713	91,610	101,416	108,569	113,939	116,231	119,109	124,587	132,703
Compensation of employees	22,569	35,711	56,145	61,444	65,784	69,959	71,255	73,675	76,482	80,383
Indirect business tax and nontax liability	2,947	3,927	6,474	6,975	7,460	7,682	8,041	8,417	9,322	9,948
Other gross state product	9,880	16,074	28,991	32,997	35,326	36,298	36,935	37,016	38,783	42,372
New Jersey:										
Gross state product	66,594	106,819	175,060	195,167	206,269	214,799	220,212	231,489	244,767	254,945
Compensation of employees	41,681	67,618	104,647	115,006	121,017	126,919	128,735	135,682	141,904	148,367
Indirect business tax and nontax liability	6,251	8,853	14,425	15,233	17,342	18,895	20,723	22,925	24,752	25,521
Other gross state product	18,662	30,348	55,988	64,928	67,909	68,985	70,754	72,882	78,111	81,056
New York:										
Gross state product	176,354	276,295	420,175	455,097	473,865	497,547	501,386	525,555	542,833	570,994
Compensation of employees	105,133	166,187	247,705	267,771	280,365	295,886	297,324	310,931	322,154	334,210
Indirect business tax and nontax liability	19,387	25,450	37,975	38,386	41,246	43,420	47,357	48,580	51,611	54,598
Other gross state product	51,833	84,658	134,495	148,939	152,254	158,242	156,705	166,044	169,068	182,186
Pennsylvania:										
Gross state product	99,826	144,328	204,910	221,197	234,247	245,420	255,993	269,359	282,044	294,431
Compensation of employees	63,795	93,268	124,884	134,565	142,809	151,377	156,035	164,374	170,438	177,426
Indirect business tax and nontax liability	7,319	9,944	14,774	15,351	16,351	17,539	18,580	20,123	21,456	22,891
Other gross state product	28,712	41,116	65,252	71,281	75,086	76,504	81,378	84,862	90,151	94,114

Table 9.—Gross State Product by Component in Current Dollars, Selected Years—Continued

[Millions of dollars]

	1977	1982	1987	1988	1989	1990	1991	1992	1993	1994
Great Lakes:										
Gross state product	388,554	533,512	762,032	814,091	862,091	896,676	920,311	976,767	1,030,905	1,111,598
Compensation of employees	240,783	339,006	466,281	503,541	529,990	559,451	575,330	611,403	645,665	690,031
Indirect business tax and nontax liability	28,125	39,991	56,118	59,361	64,095	67,709	73,297	76,585	82,875	86,887
Other gross state product	119,647	154,515	239,633	251,190	268,007	269,515	271,684	288,779	302,365	334,679
Illinois:										
Gross state product	115,367	163,178	230,030	246,740	260,827	273,387	281,942	298,370	312,582	332,853
Compensation of employees	70,501	101,467	137,882	149,434	157,545	167,558	172,988	182,240	191,549	201,984
Indirect business tax and nontax liability	8,897	12,387	17,409	18,734	20,116	21,968	22,993	24,050	26,116	27,175
Other gross state product	35,969	49,325	74,739	78,572	83,167	83,861	85,960	92,081	94,917	103,694
Indiana:										
Gross state product	47,358	63,349	91,406	98,005	105,199	108,769	112,492	120,286	127,398	138,190
Compensation of employees	29,146	40,785	55,857	60,446	64,043	67,664	70,473	75,229	79,895	86,080
Indirect business tax and nontax liability	3,306	4,418	6,053	6,811	7,370	7,496	8,370	8,649	9,437	9,873
Other gross state product	14,906	18,146	29,496	30,748	33,786	33,608	33,648	36,408	38,066	42,237
Michigan:										
Gross state product	87,477	112,105	166,367	175,693	184,909	188,397	190,501	202,630	217,082	240,390
Compensation of employees	56,224	74,158	106,151	114,544	120,277	125,103	126,711	135,236	143,803	156,859
Indirect business tax and nontax liability	6,537	9,513	12,914	12,932	14,170	14,569	16,135	16,956	18,226	18,915
Other gross state product	24,717	28,435	47,301	48,218	50,462	48,725	47,655	50,438	55,053	64,616
Ohio:										
Gross state product	97,740	135,659	192,138	204,798	216,745	226,855	232,355	245,032	256,050	274,844
Compensation of employees	61,168	86,749	117,924	126,518	132,532	139,363	142,589	151,145	158,625	168,633
Indirect business tax and nontax liability	6,301	9,201	13,007	13,730	14,761	15,602	17,132	17,612	18,727	19,910
Other gross state product	30,270	39,708	61,207	64,550	69,453	71,890	72,634	76,274	78,698	86,301
Wisconsin:										
Gross state product	40,613	59,221	82,091	88,856	94,409	99,268	103,022	110,449	117,793	125,321
Compensation of employees	23,744	35,848	48,467	52,600	55,592	59,764	62,569	67,554	71,793	76,475
Indirect business tax and nontax liability	3,083	4,472	6,734	7,154	7,678	8,073	8,667	9,317	10,369	11,014
Other gross state product	13,785	18,901	26,890	29,103	31,139	31,431	31,786	33,578	35,631	37,831
Plains:										
Gross state product	149,087	226,045	310,385	329,497	351,041	367,287	382,043	406,003	420,498	455,013
Compensation of employees	83,295	130,521	178,414	190,708	201,913	214,820	224,029	239,038	250,981	266,321
Indirect business tax and nontax liability	10,734	15,982	22,964	24,175	25,682	26,910	29,004	31,014	33,215	35,681
Other gross state product	55,058	79,542	109,008	114,614	123,446	125,557	129,010	135,951	136,302	153,010
Iowa:										
Gross state product	26,404	36,548	45,119	48,182	52,034	54,943	56,437	59,870	61,622	68,298
Compensation of employees	13,580	19,349	24,173	26,126	27,911	29,823	31,219	33,305	35,044	37,400
Indirect business tax and nontax liability	1,631	2,494	3,499	3,656	3,854	4,020	4,206	4,541	4,824	5,354
Other gross state product	11,194	14,704	17,447	18,401	20,269	21,100	21,011	22,024	21,753	25,544
Kansas:										
Gross state product	20,441	33,091	44,051	46,234	48,165	51,227	53,331	56,140	58,108	61,758
Compensation of employees	11,141	18,478	24,394	25,821	27,151	28,863	30,221	32,376	33,815	35,584
Indirect business tax and nontax liability	1,559	2,406	3,390	3,531	3,656	3,836	4,207	4,400	4,519	4,990
Other gross state product	7,741	12,207	16,267	16,882	17,357	18,528	18,903	19,363	19,774	21,184
Minnesota:										
Gross state product	36,156	56,280	83,625	89,201	95,505	99,638	102,891	110,655	115,189	124,641
Compensation of employees	21,055	34,494	50,247	54,173	57,628	61,511	64,298	69,174	72,725	77,041
Indirect business tax and nontax liability	2,593	3,723	6,127	6,547	7,142	7,459	7,871	8,657	9,415	10,120
Other gross state product	12,507	18,063	27,251	28,482	30,735	30,667	30,722	32,824	33,048	37,480
Missouri:										
Gross state product	41,995	61,788	89,812	96,081	101,973	104,079	109,049	114,672	118,587	128,216
Compensation of employees	25,031	38,257	54,128	57,583	60,712	63,916	65,818	69,562	72,881	77,478
Indirect business tax and nontax liability	3,058	4,205	6,014	6,400	6,720	7,001	7,900	8,346	8,965	9,395
Other gross state product	13,906	19,325	29,670	32,098	34,541	33,162	35,331	36,764	36,741	41,343
Nebraska:										
Gross state product	13,615	20,662	26,857	28,860	30,982	33,183	35,006	37,152	38,210	41,357
Compensation of employees	7,377	11,556	15,109	16,089	17,053	18,377	19,344	20,503	21,498	22,850
Indirect business tax and nontax liability	1,041	1,486	2,129	2,163	2,345	2,534	2,673	2,761	3,000	3,203
Other gross state product	5,197	7,620	9,619	10,607	11,585	12,273	12,989	13,888	13,712	15,303
North Dakota:										
Gross state product	5,357	9,954	10,133	9,722	10,500	11,383	11,481	12,579	12,656	13,494
Compensation of employees	2,666	4,611	5,317	5,522	5,730	6,087	6,413	6,833	7,227	7,628
Indirect business tax and nontax liability	415	1,006	895	928	988	1,021	1,078	1,111	1,211	1,257
Other gross state product	2,276	4,338	3,922	3,272	3,782	4,275	3,990	4,635	4,217	4,609
South Dakota:										
Gross state product	5,119	7,722	10,788	11,217	11,882	12,833	13,848	14,934	16,125	17,250
Compensation of employees	2,446	3,775	5,046	5,395	5,728	6,243	6,715	7,286	7,790	8,341
Indirect business tax and nontax liability	437	661	910	949	976	1,038	1,069	1,197	1,279	1,362
Other gross state product	2,236	3,286	4,832	4,873	5,178	5,552	6,064	6,451	7,056	7,547
Southeast:										
Gross state product	389,222	651,338	977,302	1,058,003	1,125,030	1,180,122	1,230,824	1,305,518	1,380,162	1,478,627
Compensation of employees	225,235	380,382	565,036	608,606	646,283	689,296	714,970	764,099	807,472	855,426
Indirect business tax and nontax liability	31,684	55,116	78,851	83,716	90,463	96,304	104,033	110,231	117,743	126,154
Other gross state product	132,303	215,839	333,416	365,681	388,284	394,522	411,820	431,188	454,947	497,047

Table 9.—Gross State Product by Component in Current Dollars, Selected Years—Continued

[Millions of dollars]

	1977	1982	1987	1988	1989	1990	1991	1992	1993	1994
Alabama:										
Gross state product	26,395	40,682	60,609	65,306	67,867	71,090	75,008	79,706	82,632	88,661
Compensation of employees	16,125	25,024	36,178	38,688	40,855	43,589	45,708	48,940	51,294	54,042
Indirect business tax and nontax liability	1,768	2,747	3,990	4,130	4,435	4,695	5,102	5,361	5,823	6,272
Other gross state product	8,502	12,911	20,441	22,489	22,577	22,806	24,198	25,405	25,516	28,347
Arkansas:										
Gross state product	14,921	23,135	32,252	34,250	36,441	37,850	40,559	44,214	46,666	50,575
Compensation of employees	8,022	12,757	17,892	19,061	20,134	21,700	22,948	24,814	26,148	27,861
Indirect business tax and nontax liability	939	1,474	2,265	2,336	2,491	2,588	2,859	3,222	3,385	3,662
Other gross state product	5,961	8,903	12,095	12,854	13,816	13,562	14,752	16,178	17,134	19,052
Florida:										
Gross state product	66,189	125,121	205,436	224,250	241,778	254,993	265,948	279,781	298,452	317,829
Compensation of employees	38,223	72,906	119,459	130,111	139,309	149,591	154,146	163,302	173,682	182,606
Indirect business tax and nontax liability	6,128	10,820	19,193	21,383	23,165	24,839	27,649	29,193	31,046	33,650
Other gross state product	21,838	41,394	66,784	72,756	79,305	80,564	84,153	87,286	93,724	101,574
Georgia:										
Gross state product	41,315	68,729	116,625	126,038	133,421	140,093	147,205	158,770	170,102	183,042
Compensation of employees	25,102	42,860	70,316	75,809	79,748	85,003	87,873	94,516	100,818	107,959
Indirect business tax and nontax liability	2,977	4,683	7,948	8,543	9,645	10,503	11,274	11,890	12,817	13,951
Other gross state product	13,236	21,186	38,361	41,686	44,028	44,587	48,058	52,364	56,467	61,132
Kentucky:										
Gross state product	28,512	41,364	56,754	60,766	64,571	67,446	69,841	76,064	80,400	86,485
Compensation of employees	15,225	23,426	31,497	33,536	35,457	38,078	39,731	43,192	45,279	48,012
Indirect business tax and nontax liability	2,891	3,861	4,844	4,999	5,369	5,848	6,207	6,533	6,884	7,395
Other gross state product	10,395	14,077	20,413	22,231	23,745	23,521	23,903	26,339	28,238	31,077
Louisiana:										
Gross state product	39,209	79,219	76,536	82,661	84,371	91,360	91,897	90,788	94,292	101,101
Compensation of employees	18,441	34,456	35,653	37,534	38,997	42,287	44,857	46,984	48,634	51,310
Indirect business tax and nontax liability	3,462	11,891	8,168	8,032	8,562	8,828	9,097	9,229	9,681	9,984
Other gross state product	17,307	32,872	32,715	37,095	36,812	40,245	37,943	34,576	35,978	39,808
Mississippi:										
Gross state product	15,830	24,509	33,111	35,030	36,648	37,964	40,066	43,318	46,062	50,587
Compensation of employees	8,741	13,789	17,979	19,252	20,437	21,643	22,653	24,200	26,070	28,371
Indirect business tax and nontax liability	1,219	1,838	2,540	2,738	2,960	3,100	3,256	3,400	3,703	4,148
Other gross state product	5,870	8,882	12,593	13,040	13,251	13,221	14,157	15,718	16,290	18,067
North Carolina:										
Gross state product	44,377	70,076	116,357	127,621	137,720	143,512	150,114	161,432	169,612	181,521
Compensation of employees	26,030	42,515	67,379	72,911	77,822	82,382	85,096	92,705	98,380	104,612
Indirect business tax and nontax liability	3,795	5,187	9,144	9,686	9,974	10,392	11,587	12,648	13,448	14,197
Other gross state product	14,552	22,373	39,835	45,025	49,924	50,739	53,430	56,080	57,783	62,712
South Carolina:										
Gross state product	20,334	32,923	53,197	57,613	61,837	65,434	67,892	71,132	75,060	79,925
Compensation of employees	13,066	21,442	32,155	34,863	37,489	40,262	41,331	43,525	45,602	47,725
Indirect business tax and nontax liability	1,518	2,250	4,058	4,140	4,519	4,857	5,042	5,319	5,858	6,221
Other gross state product	5,750	9,231	16,984	18,610	19,829	20,315	21,518	22,287	23,599	25,979
Tennessee:										
Gross state product	33,546	51,185	81,122	87,044	91,724	94,218	100,313	109,113	115,341	126,539
Compensation of employees	20,012	31,769	47,589	51,232	54,285	57,561	60,170	65,211	69,572	74,721
Indirect business tax and nontax liability	2,603	3,790	6,373	6,707	7,125	7,524	7,902	8,714	9,477	10,357
Other gross state product	10,931	15,626	27,160	29,105	30,314	29,134	32,242	35,188	36,292	41,462
Virginia:										
Gross state product	44,168	73,435	120,896	131,026	141,373	147,998	152,914	160,558	169,431	177,708
Compensation of employees	27,648	46,785	74,768	80,891	86,637	91,022	93,704	99,018	103,636	108,574
Indirect business tax and nontax liability	3,634	5,174	8,565	9,094	10,130	10,824	11,603	12,119	12,728	13,295
Other gross state product	12,886	21,476	37,563	41,041	44,606	46,152	47,607	49,420	53,067	55,660
West Virginia:										
Gross state product	14,425	20,960	24,406	26,397	27,278	28,162	29,067	30,642	32,112	34,654
Compensation of employees	8,600	12,652	14,172	14,719	15,114	16,179	16,753	17,693	18,358	19,455
Indirect business tax and nontax liability	750	1,402	1,763	1,927	2,088	2,306	2,456	2,602	2,894	3,022
Other gross state product	5,075	6,906	8,471	9,751	10,076	9,678	9,858	10,347	10,859	12,177
Southwest:										
Gross state product	185,074	367,743	433,039	473,091	501,759	542,334	564,628	597,401	631,245	677,888
Compensation of employees	97,889	195,338	246,394	260,670	274,836	295,905	313,231	331,647	350,169	371,188
Indirect business tax and nontax liability	13,981	31,252	38,896	41,883	44,231	47,182	50,260	54,434	58,346	61,867
Other gross state product	73,204	141,153	147,750	170,538	182,691	199,247	201,137	211,320	222,730	244,833
Arizona:										
Gross state product	19,168	34,255	58,909	62,825	65,369	68,410	70,972	78,449	84,478	94,093
Compensation of employees	11,210	21,221	34,951	37,416	39,259	41,348	43,086	45,819	49,135	54,007
Indirect business tax and nontax liability	1,821	2,568	5,200	5,410	5,887	6,585	6,973	7,356	7,825	8,450
Other gross state product	6,137	10,467	18,759	19,999	20,223	20,477	20,913	25,275	27,517	31,636
New Mexico:										
Gross state product	10,342	19,811	22,783	23,678	24,965	26,655	30,222	31,771	34,380	37,832
Compensation of employees	5,483	9,700	12,802	13,477	14,183	15,248	16,213	17,291	18,536	19,847
Indirect business tax and nontax liability	952	2,137	1,897	2,048	2,112	2,429	2,486	2,635	2,899	3,053
Other gross state product	3,908	7,975	8,084	8,153	8,670	8,978	11,523	11,845	12,944	14,932

Table 9.—Gross State Product by Component in Current Dollars, Selected Years—Continued

[Millions of dollars]

	1977	1982	1987	1988	1989	1990	1991	1992	1993	1994
Oklahoma:										
Gross state product	23,767	48,988	48,190	52,237	53,898	57,048	58,974	61,357	63,949	66,189
Compensation of employees	12,776	26,219	27,651	28,737	30,080	32,028	33,574	35,350	36,702	37,974
Indirect business tax and nontax liability	1,457	3,667	3,708	4,025	4,168	4,323	4,460	4,451	4,862	5,094
Other gross state product	9,534	19,102	16,830	19,476	19,650	20,698	20,940	21,555	22,385	23,121
Texas:										
Gross state product	131,796	264,689	303,157	334,350	357,526	390,221	404,460	425,824	448,439	479,774
Compensation of employees	68,420	138,198	170,990	181,040	191,314	207,282	220,358	233,187	245,795	259,359
Indirect business tax and nontax liability	9,751	22,881	28,091	30,400	32,065	33,845	36,341	39,991	42,760	45,270
Other gross state product	53,625	103,610	104,076	122,910	134,148	149,094	147,760	152,646	159,884	175,144
Rocky Mountain:										
Colorado:										
Gross state product	54,547	99,943	124,238	131,817	139,350	149,733	158,373	170,064	184,380	198,132
Compensation of employees	30,828	56,633	71,171	74,959	79,450	85,751	92,000	99,256	106,801	114,742
Indirect business tax and nontax liability	4,389	8,880	10,668	10,841	11,451	12,260	12,872	14,021	14,873	15,847
Other gross state product	19,330	34,430	42,399	46,017	48,450	51,723	53,501	56,787	62,706	67,543
Idaho:										
Gross state product	7,023	10,482	13,753	14,859	16,544	17,502	18,327	20,116	22,239	24,185
Compensation of employees	3,935	5,906	7,531	8,165	8,835	9,731	10,461	11,444	12,352	13,512
Indirect business tax and nontax liability	450	624	1,020	1,051	1,162	1,250	1,343	1,505	1,611	1,745
Other gross state product	2,637	3,951	5,202	5,643	6,547	6,521	6,522	7,167	8,276	8,929
Montana:										
Gross state product	6,373	10,348	11,551	11,826	12,706	13,291	13,956	15,075	16,138	16,862
Compensation of employees	3,339	5,247	5,941	6,260	6,571	7,009	7,489	8,069	8,630	9,154
Indirect business tax and nontax liability	506	940	1,078	1,097	1,100	1,251	1,038	1,447	1,370	1,447
Other gross state product	2,528	4,161	4,531	4,469	5,035	5,030	5,429	5,560	6,138	6,261
Utah:										
Gross state product	10,399	18,553	25,107	27,067	28,525	31,101	33,353	35,314	38,013	41,657
Compensation of employees	6,203	11,126	15,037	16,000	17,149	18,655	20,128	21,774	23,404	25,469
Indirect business tax and nontax liability	770	1,488	1,954	2,176	2,301	2,343	2,506	2,739	2,967	3,210
Other gross state product	3,427	5,939	8,117	8,890	9,076	10,103	10,719	10,801	11,642	12,978
Wyoming:										
Gross state product	5,636	13,028	10,945	11,722	12,027	13,490	13,777	14,124	14,838	15,660
Compensation of employees	2,466	4,971	4,559	4,673	4,795	5,161	5,462	5,697	6,009	6,335
Indirect business tax and nontax liability	653	2,275	1,536	1,383	1,421	1,531	1,564	1,594	1,613	1,757
Other gross state product	2,517	5,782	4,850	5,666	5,811	6,798	6,751	6,833	7,217	7,568
Far West:										
Alaska:										
Gross state product	312,097	536,364	818,047	894,319	975,284	1,054,689	1,081,341	1,111,945	1,148,031	1,197,326
Compensation of employees	183,054	314,990	468,665	508,151	548,386	592,866	610,315	635,250	649,187	672,338
Indirect business tax and nontax liability	29,551	42,102	60,350	65,160	70,041	76,972	84,326	88,488	92,936	98,464
Other gross state product	99,493	179,272	289,032	321,009	356,857	384,851	386,700	388,206	405,908	426,524
California:										
Gross state product	7,443	23,069	21,274	21,385	23,087	25,461	22,954	22,241	25,011	22,720
Compensation of employees	4,770	7,390	8,125	8,318	9,256	9,820	10,380	10,941	11,335	11,600
Indirect business tax and nontax liability	573	3,751	1,753	1,839	1,878	2,390	2,487	2,403	2,266	2,301
Other gross state product	2,100	11,928	11,395	11,227	11,952	13,251	10,087	8,897	11,410	8,819
Hawaii:										
Gross state product	229,489	391,267	620,346	678,191	738,537	794,397	810,323	826,532	842,068	875,697
Compensation of employees	133,964	233,245	358,411	388,225	416,708	447,690	455,835	469,156	474,928	488,412
Indirect business tax and nontax liability	22,614	28,503	42,924	46,488	49,793	54,502	59,897	62,884	65,718	69,394
Other gross state product	72,910	129,518	219,011	243,478	272,036	292,205	294,591	294,493	301,423	317,891
Nevada:										
Gross state product	9,400	15,512	23,337	25,823	28,860	32,488	33,883	34,987	36,258	36,718
Compensation of employees	5,912	9,453	13,663	14,903	16,419	18,169	19,377	20,660	21,035	21,246
Indirect business tax and nontax liability	738	1,203	1,800	2,007	2,109	2,330	2,528	2,714	2,874	2,913
Other gross state product	2,751	4,856	7,874	8,913	10,332	11,989	11,978	11,613	12,349	12,559
Oregon:										
Gross state product	7,427	14,207	21,921	25,080	28,093	31,143	33,174	36,040	39,290	43,958
Compensation of employees	4,463	8,654	12,654	14,260	16,029	17,948	18,875	20,550	22,307	24,768
Indirect business tax and nontax liability	645	1,144	1,806	2,031	2,183	2,465	2,868	3,102	3,469	3,844
Other gross state product	2,319	4,410	7,461	8,789	9,882	10,730	11,431	12,388	13,513	15,346
Washington:										
Gross state product	22,417	31,858	44,893	49,165	52,978	57,037	59,764	63,345	68,892	74,366
Compensation of employees	12,891	19,233	25,991	28,468	30,889	33,684	35,355	37,763	40,168	43,194
Indirect business tax and nontax liability	1,442	2,110	3,356	3,503	3,844	4,133	4,492	4,563	4,844	5,153
Other gross state product	8,084	10,515	15,546	17,194	18,245	19,219	19,917	21,018	23,880	26,019
Washington:										
Gross state product	35,922	60,451	86,275	94,676	103,729	114,162	121,244	128,800	136,512	143,867
Compensation of employees	21,054	37,015	49,820	53,977	59,085	65,554	70,493	76,180	79,414	83,118
Indirect business tax and nontax liability	3,538	5,392	8,711	9,292	10,234	11,151	12,054	12,823	13,765	14,859
Other gross state product	11,329	18,044	27,745	31,408	34,411	37,457	38,697	39,797	43,333	45,890

Table 10.—Real Gross State Product by Industry, 1987–94

[Millions of chained (1992) dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1987	1988	1989	1990	1991	1992	1993	1994
	United States								New England							
Total gross state product	5,543,830	5,827,696	5,967,370	6,023,917	5,989,202	6,135,028	6,256,478	6,518,459	343,650	364,359	370,249	360,593	349,658	353,152	358,223	369,630
Agriculture, forestry, and fishing	87,568	80,657	88,214	101,452	100,908	112,394	103,282	115,899	2,843	2,777	2,602	2,884	2,812	3,095	2,966	2,927
Mining	86,371	104,438	92,834	96,889	97,460	92,248	90,694	96,694	322	324	268	224	212	250	261	240
Construction	239,601	248,790	251,915	247,503	229,036	229,657	236,079	253,056	17,474	18,420	17,141	13,928	11,494	11,430	11,711	12,368
Manufacturing	1,041,619	1,110,891	1,106,018	1,090,112	1,050,388	1,063,575	1,095,312	1,168,029	69,215	70,730	70,649	67,994	64,981	63,180	62,962	65,413
Transportation and public utilities	458,438	472,692	479,912	494,689	514,679	528,831	555,790	585,947	21,383	21,223	21,514	22,998	24,083	24,490	26,056	26,696
Wholesale trade	322,895	343,904	366,436	360,597	381,255	406,493	418,631	449,975	19,918	21,635	22,724	21,305	21,754	23,132	23,599	25,294
Retail trade	509,230	537,616	553,429	546,355	534,122	544,316	563,185	595,361	31,982	34,611	35,016	32,646	30,239	30,316	30,995	32,403
Finance, insurance, and real estate	1,016,496	1,070,238	1,102,660	1,109,862	1,106,599	1,148,826	1,159,841	1,192,821	73,336	80,443	82,367	80,265	79,387	81,452	82,054	85,236
Services	1,041,350	1,099,073	1,149,455	1,181,713	1,174,191	1,200,834	1,222,089	1,249,569	70,967	76,628	80,072	80,237	77,909	79,342	80,886	82,373
Government	744,156	762,277	779,907	796,049	800,383	807,854	811,872	815,597	35,388	37,061	37,702	38,179	36,825	36,463	36,741	36,731
Not allocated by industry ¹	-3,895	-2,879	-3,412	-1,304	181	0	-298	-3,689	818	507	195	-67	-21	0	-8	-50
	Connecticut								Maine							
Total gross state product	96,819	103,418	105,432	105,054	101,920	102,651	102,504	104,319	23,141	24,737	25,370	24,805	23,884	24,013	24,283	24,629
Agriculture, forestry, and fishing	564	563	555	670	642	719	726	740	526	492	446	508	463	519	499	464
Mining	107	113	104	74	64	61	68	39	4	7	8	10	11	12	13	12
Construction	5,088	5,487	5,131	4,062	3,450	3,383	3,343	3,427	1,420	1,504	1,511	1,328	1,051	1,068	1,068	1,074
Manufacturing	20,598	20,910	20,154	20,806	19,715	19,000	17,915	18,349	4,517	4,929	4,886	4,598	4,206	4,070	4,224	4,447
Transportation and public utilities	6,194	6,151	6,301	6,837	6,738	6,885	7,141	7,425	1,637	1,683	1,687	1,703	1,833	1,827	1,905	1,794
Wholesale trade	5,634	6,247	6,680	6,281	6,493	6,851	6,833	7,140	1,193	1,293	1,372	1,309	1,299	1,362	1,393	1,471
Retail trade	8,805	9,550	9,689	9,199	8,562	8,253	8,372	8,603	2,635	2,877	2,979	2,826	2,687	2,796	2,904	3,083
Finance, insurance, and real estate	22,489	25,237	26,293	26,027	25,978	26,988	27,238	27,480	3,832	4,112	4,262	4,157	4,147	4,262	4,301	4,363
Services	17,898	19,463	20,641	21,256	20,487	20,764	21,116	21,327	3,885	4,188	4,444	4,496	4,360	4,345	4,351	4,448
Government	9,276	9,561	9,827	9,874	9,805	9,749	9,739	9,798	3,426	3,600	3,758	3,867	3,831	3,752	3,627	3,478
Not allocated by industry ¹	167	135	57	-31	-13	0	13	-8	66	52	18	4	-4	0	-2	-5
	Massachusetts								New Hampshire							
Total gross state product	166,090	175,110	177,104	170,169	164,545	165,805	169,949	177,313	25,262	26,519	26,618	25,284	25,381	26,118	26,489	28,066
Agriculture, forestry, and fishing	1,046	1,050	968	1,037	1,043	1,086	1,026	1,001	195	187	181	194	194	226	215	220
Mining	116	113	82	68	72	97	106	114	51	45	25	23	22	28	25	30
Construction	7,616	7,938	7,225	5,827	4,831	4,830	5,121	5,586	1,803	1,773	1,518	1,109	896	894	903	969
Manufacturing	32,470	32,477	32,713	30,220	28,966	28,101	28,813	30,207	5,263	5,606	5,707	5,326	5,355	5,534	5,421	6,074
Transportation and public utilities	9,695	9,800	10,211	10,611	11,444	11,306	12,109	12,887	1,822	1,477	1,203	1,550	1,879	1,900	2,165	2,238
Wholesale trade	10,150	10,953	11,403	10,682	10,892	11,549	11,841	12,396	1,244	1,323	1,367	1,273	1,324	1,463	1,571	1,698
Retail trade	14,703	15,845	15,933	13,640	13,467	13,531	13,756	14,431	2,593	2,844	2,860	2,613	2,410	2,516	2,625	2,843
Finance, insurance, and real estate	35,229	38,271	38,595	37,404	36,315	37,164	37,606	40,152	5,232	5,711	5,859	5,473	5,730	5,878	5,843	6,036
Services	38,326	41,220	42,668	42,314	41,168	42,152	43,169	44,011	4,545	4,969	5,219	5,045	4,951	5,036	5,096	5,311
Government	16,321	17,216	17,173	17,404	16,346	15,990	16,408	16,551	2,411	2,531	2,680	2,693	2,623	2,642	2,626	2,668
Not allocated by industry ¹	417	228	132	-39	2	0	-7	-23	103	52	-2	-15	-3	0	-1	-22
	Rhode Island								Vermont							
Total gross state product	21,391	22,752	23,407	23,067	22,191	22,387	22,625	22,686	10,941	11,822	12,319	12,220	11,738	12,177	12,380	12,641
Agriculture, forestry, and fishing	216	218	185	195	195	199	206	189	296	268	266	281	276	346	293	313
Mining	11	10	6	9	8	12	13	14	32	36	43	41	37	40	35	31
Construction	900	1,032	1,048	994	760	744	750	772	647	687	707	608	507	512	526	539
Manufacturing	4,331	4,473	4,653	4,529	4,347	4,192	4,267	4,095	2,034	2,330	2,507	2,522	2,394	2,284	2,323	2,248
Transportation and public utilities	1,203	1,218	1,210	1,336	1,335	1,508	1,606	1,670	833	893	901	961	854	1,064	1,129	1,182
Wholesale trade	1,106	1,169	1,228	1,116	1,072	1,150	1,175	1,241	592	650	674	644	676	757	787	850
Retail trade	2,116	2,261	2,289	2,157	1,972	2,034	2,108	2,151	1,130	1,234	1,266	1,211	1,141	1,188	1,230	1,292
Finance, insurance, and real estate	4,547	4,979	5,170	5,084	5,123	5,067	4,977	5,083	2,025	2,142	2,195	2,126	2,076	2,092	2,088	2,145
Services	4,257	4,589	4,786	4,786	4,655	4,687	4,721	4,771	2,054	2,196	2,314	2,339	2,289	2,358	2,433	2,505
Government	2,665	2,774	2,819	2,855	2,727	2,793	2,804	2,699	1,289	1,379	1,444	1,487	1,493	1,538	1,537	1,537
Not allocated by industry ¹	40	28	14	7	-1	0	-3	2	8	6	3	1	-3	0	0	0
	Midwest								Delaware							
Total gross state product	1,130,915	1,194,242	1,210,923	1,214,554	1,191,219	1,214,179	1,230,249	1,262,269	19,687	20,462	22,451	23,047	23,079	23,427	23,479	25,194
Agriculture, forestry, and fishing	7,257	6,677	6,971	7,799	7,577	8,318	7,952	8,201	227	264	285	286	295	282	262	292
Mining	2,422	2,616	2,479	2,352	2,217	2,328	2,337	2,577	3	4	4	4	7	5	5	4
Construction	48,984	51,849	52,099	49,189	43,402	41,401	41,198	42,885	771	835	779	786	809	820	838	836
Manufacturing	176,312	189,111	182,021	179,736	174,384	172,040	174,044	178,308	4,965	4,965	5,218	5,289	4,949	4,821	4,808	5,123
Transportation and public utilities	90,069	93,858	92,505	97,733	99,759	101,819	106,225	110,523	1,148	1,162	1,273	1,217	1,208	1,229	1,265	1,307
Wholesale trade	68,789	71,665	74,606	72,281	73,986	78,424	80,228	84,657	741	786	816	824	883	919	937	1,020
Retail trade	91,670	97,510	99,744	96,672	92,979	92,698	94,008	97,899	1,238	1,322	1,385	1,393	1,338	1,348	1,385	1,477
Finance, insurance, and real estate	257,620	273,456	279,186	278,538	274,564	290,159	293,749	304,119	5,846	6,016	7,491	7,975	8,348	8,757	8,666	9,728
Services	239,455	254,695	266,153	272,193	265,453	269,264	271,180	274,376	2,583	2,851	3,032	3,107	3,066	3,093	3,115	3,172
Government	146,933	151,722	154,978	158,250	156,977	157,728	159,356	158,931	1,985	2,067	2,107	2,146	2,173	2,153	2,200	2,232

Table 10.—Real Gross State Product by Industry, 1987–94—Continued

[Millions of chained (1992) dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1987	1988	1989	1990	1991	1992	1993	1994
	District of Columbia								Maryland							
Total gross state product	40,492	42,685	44,301	45,148	44,462	45,240	45,708	44,715	110,568	118,206	121,752	122,256	119,619	119,109	120,989	125,565
Agriculture, forestry, and fishing	8	11	10	12	10	11	12	12	1,019	1,021	1,028	1,137	1,097	1,167	1,101	1,161
Mining	8	10	7	8	13	10	9	8	126	119	107	105	113	103	110	122
Construction	595	604	619	626	513	426	392	402	7,322	7,828	7,911	7,572	6,416	5,900	5,879	6,143
Manufacturing	1,649	1,755	1,750	1,569	1,396	1,333	1,206	1,171	11,157	12,171	11,894	12,004	11,229	10,580	10,653	11,124
Transportation and public utilities	2,078	2,249	2,293	2,333	2,528	2,470	2,494	2,504	8,018	8,716	8,939	8,843	9,444	9,264	9,931	10,734
Wholesale trade	545	582	589	594	624	656	614	562	6,284	6,758	7,095	6,733	6,918	7,220	7,497	7,988
Retail trade	1,534	1,604	1,638	1,560	1,401	1,348	1,353	1,334	11,115	11,751	12,144	11,571	10,973	11,006	10,964	11,506
Finance, insurance, and real estate	5,649	6,261	6,851	6,919	6,553	6,810	7,029	6,479	21,832	23,899	24,992	25,392	24,883	25,496	25,729	27,343
Services	12,312	13,125	13,833	14,311	14,035	14,352	14,431	14,648	23,094	24,814	26,016	26,785	26,426	26,613	27,259	27,573
Government	16,105	16,468	16,711	17,218	17,388	17,822	18,166	17,598	20,461	20,959	21,517	22,091	22,119	21,759	21,869	21,893
Not allocated by industry ¹	10	17	0	-3	2	0	0	-3	140	169	110	22	2	0	-4	-23
	New Jersey								New York							
Total gross state product	209,961	225,492	229,444	228,340	225,611	231,489	237,814	242,171	505,203	531,329	532,307	534,515	516,050	525,555	528,229	544,749
Agriculture, forestry, and fishing	1,077	1,005	981	1,076	1,083	1,143	1,175	1,265	2,393	2,151	2,229	2,528	2,498	2,629	2,526	2,524
Mining	128	137	128	114	115	132	146	153	607	589	537	454	412	404	425	434
Construction	10,341	11,132	10,969	9,733	8,290	8,102	8,273	8,704	18,946	19,743	19,888	18,801	16,684	15,379	15,140	15,660
Manufacturing	38,799	40,759	38,934	37,611	36,293	35,583	36,899	35,655	69,418	76,321	72,510	72,428	68,718	67,170	65,860	68,867
Transportation and public utilities	18,602	19,685	19,589	20,097	20,908	21,552	23,105	24,771	38,850	40,323	38,006	42,463	41,794	42,463	43,010	44,865
Wholesale trade	15,284	16,411	17,858	17,718	18,487	20,540	21,463	22,772	32,431	32,713	33,068	31,641	31,682	32,741	33,092	34,765
Retail trade	17,847	19,262	19,267	18,781	17,790	17,916	18,317	18,640	37,460	39,537	40,346	38,833	37,391	36,893	37,250	39,051
Finance, insurance, and real estate	43,573	47,804	50,381	49,471	49,491	51,810	52,520	53,493	137,774	144,192	143,503	142,744	138,681	148,500	150,694	156,789
Services	41,349	45,396	47,066	49,134	48,276	49,041	50,004	50,545	108,711	115,081	120,441	121,699	117,199	118,819	118,856	120,631
Government	22,653	23,702	24,161	24,680	24,913	25,671	25,931	26,205	57,899	60,285	61,866	62,970	61,002	60,557	61,369	61,242
Not allocated by industry ¹	310	200	111	-75	-35	0	-19	-32	715	484	-88	-46	-10	0	7	-79
	Pennsylvania								Great Lakes							
Total gross state product	244,940	255,977	260,662	261,300	262,406	269,359	274,028	279,897	902,631	936,688	954,713	954,971	943,527	976,767	1,002,179	1,057,534
Agriculture, forestry, and fishing	2,534	2,226	2,438	2,760	2,595	3,086	2,876	2,946	11,851	9,677	12,921	14,155	12,738	14,990	13,240	15,437
Mining	1,569	1,766	1,700	1,666	1,569	1,672	1,642	1,859	4,737	5,153	4,660	4,472	4,583	4,677	4,395	4,810
Construction	11,010	11,706	11,933	11,671	10,690	10,774	10,675	11,140	34,171	36,549	38,098	38,903	37,318	37,647	39,200	42,442
Manufacturing	50,393	53,291	51,768	50,887	51,806	52,553	54,618	56,383	237,122	250,568	246,844	242,616	227,728	238,676	251,697	274,965
Transportation and public utilities	21,365	21,721	22,406	22,782	23,876	24,841	26,423	26,342	76,208	75,071	76,861	76,118	79,646	79,397	80,309	87,739
Wholesale trade	13,505	14,415	15,180	14,772	15,391	16,350	16,624	17,550	52,942	56,525	60,821	60,016	64,050	67,717	70,343	75,675
Retail trade	22,476	24,035	24,964	24,535	24,087	24,187	24,739	25,891	82,424	86,076	88,369	86,535	84,945	86,686	89,926	94,963
Finance, insurance, and real estate	42,733	45,026	45,890	46,026	46,605	48,786	49,115	50,299	143,542	149,566	150,641	152,503	152,968	160,310	162,414	166,560
Services	51,434	53,430	55,768	57,155	56,452	57,344	57,517	57,809	159,839	166,024	170,963	173,410	172,232	176,645	179,836	184,601
Government	27,825	28,229	28,601	29,135	29,383	29,766	29,821	29,769	100,206	102,365	104,605	106,445	107,394	110,021	110,863	110,848
Not allocated by industry ¹	96	131	15	-88	-37	0	-22	-91	-411	-885	-71	-202	-75	0	-44	-507
	Illinois								Indiana							
Total gross state product	272,412	283,348	288,686	290,730	288,632	298,370	303,947	317,166	108,053	112,025	115,588	115,318	115,124	120,286	123,962	131,629
Agriculture, forestry, and fishing	2,909	2,246	3,627	3,916	3,426	4,382	3,702	4,756	1,793	1,275	1,961	2,150	1,691	2,262	2,107	2,352
Mining	1,437	1,497	1,430	1,420	1,471	1,519	1,193	1,421	592	607	627	658	634	704	740	839
Construction	11,334	11,913	12,560	12,849	12,286	12,193	12,378	13,240	4,350	4,707	4,968	5,047	5,191	5,300	5,542	6,102
Manufacturing	52,757	56,446	55,526	55,042	52,511	53,739	56,741	61,183	32,762	34,167	35,165	33,930	32,823	35,197	36,740	40,444
Transportation and public utilities	25,645	26,590	25,426	25,513	27,560	27,999	28,324	30,837	10,012	10,281	10,098	9,998	10,248	10,198	10,823	11,018
Wholesale trade	19,383	20,492	22,148	21,720	22,990	24,076	24,533	25,954	5,273	5,702	6,236	6,217	6,703	7,084	7,494	8,167
Retail trade	24,725	25,713	26,492	25,712	24,701	25,011	25,949	26,890	10,360	10,866	11,158	11,012	10,825	11,072	11,596	12,431
Finance, insurance, and real estate	51,744	53,678	53,693	55,681	54,814	57,677	57,966	58,780	14,571	15,050	15,076	15,126	15,387	16,103	16,225	17,064
Services	53,296	55,887	57,467	58,264	57,908	60,117	61,307	62,350	16,449	17,224	17,692	18,087	18,348	18,845	19,115	19,728
Government	29,409	29,201	30,352	30,710	30,977	31,656	31,858	31,926	11,945	12,314	12,559	13,079	13,294	13,521	13,596	13,549
Not allocated by industry ¹	-226	-315	-34	-97	-14	0	-4	-173	-53	-167	50	14	-20	0	-15	-64
	Michigan								Ohio							
Total gross state product	197,688	203,719	206,451	202,592	196,299	202,630	210,435	227,368	228,154	236,270	240,480	241,359	238,181	245,032	249,076	261,625
Agriculture, forestry, and fishing	1,882	1,709	2,024	2,181	2,234	2,289	2,214	2,317	2,218	2,066	2,414	2,785	2,471	2,994	2,634	3,091
Mining	1,081	1,293	1,104	954	1,109	1,095	943	939	1,495	1,618	1,367	1,291	1,175	1,149	1,222	1,364
Construction	6,655	7,378	7,592	7,582	6,956	6,892	7,257	8,068	8,343	8,824	9,071	9,232	8,627	8,673	9,225	9,947
Manufacturing	59,744	61,831	59,208	56,430	50,195	53,488	56,958	67,407	65,256	68,923	67,679	67,818	63,483	65,644	68,682	71,371
Transportation and public utilities	14,529	13,827	14,796	14,098	13,877	13,461	14,763	15,543	18,966	16,783	19,086	18,788	19,920	19,926	18,171	21,807
Wholesale trade	10,780	11,455	12,384	12,132	12,911	13,807	14,583	15,952	12,422	13,419	14,157	14,113	15,218	16,029	16,677	18,057
Retail trade	17,250	17,870	18,449	17,614	17,497	17,946	18,565	19,482	21,413	22,456	22,785	22,629	22,565	22,822	23,590	25,304
Finance, insurance, and real estate	28,996	30,226	30,877	30,626	31,282	32,384	32,879	33,961	33,176	34,946	35,290	35,127	35,307	37,165	37,645	38,572
Services	34,361	35,185	36,576	37,073	36,											

Table 10.—Real Gross State Product by Industry, 1987–94—Continued

[Millions of chained (1992) dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1987	1988	1989	1990	1991	1992	1993	1994
	Wisconsin								Plains							
Total gross state product	96,448	101,434	103,597	105,017	105,295	110,449	114,755	119,713	366,464	377,287	386,860	389,096	391,021	406,003	408,937	433,871
Agriculture, forestry, and fishing	3,046	2,381	2,896	3,123	2,915	3,064	2,583	2,921	14,836	12,020	14,990	17,771	16,748	19,683	13,788	20,027
Mining	124	145	129	151	194	211	295	258	2,777	2,976	2,677	2,731	2,799	2,713	2,572	2,515
Construction	3,489	3,728	3,908	4,192	4,258	4,568	4,797	5,084	14,542	14,347	14,462	14,522	14,273	15,552	16,226	18,048
Manufacturing	26,838	29,418	29,413	29,483	28,708	30,607	32,574	34,438	73,717	79,540	80,125	79,397	77,294	78,882	79,761	85,800
Transportation and public utilities	7,053	7,576	7,459	7,723	8,041	7,813	8,228	8,534	34,452	36,291	36,538	36,618	38,346	38,305	40,400	42,062
Wholesale trade	8,677	9,457	9,896	9,834	10,228	9,721	7,055	7,546	23,167	24,715	26,328	25,881	27,693	29,908	30,744	33,327
Retail trade	8,677	9,170	9,485	9,568	9,357	9,835	10,226	10,855	34,051	35,528	36,193	35,783	35,483	36,589	38,221	40,978
Finance, insurance, and real estate	15,050	15,661	15,706	15,942	16,178	16,980	17,697	18,181	57,156	57,872	58,177	57,099	58,182	61,337	62,470	64,185
Services	15,956	16,471	16,938	17,006	17,205	17,815	18,327	18,798	63,482	65,494	67,685	67,927	68,310	70,418	71,957	74,076
Government	11,236	11,601	11,817	11,993	12,216	12,814	12,982	13,147	49,145	49,924	50,374	51,473	51,978	52,616	52,776	53,106
Not allocated by industry ¹	-109	-173	-51	0	-6	0	-9	-49	-862	-1,420	-690	-106	-83	0	22	-253
	Iowa								Kansas							
Total gross state product	52,631	54,564	56,695	57,905	57,559	59,870	59,942	65,314	52,243	53,334	53,413	54,255	54,636	56,140	56,567	58,981
Agriculture, forestry, and fishing	3,402	2,506	3,493	4,027	3,785	4,657	2,625	4,797	1,958	1,790	1,740	2,334	2,146	2,793	2,372	2,890
Mining	116	106	97	103	125	142	145	158	1,023	1,167	1,056	1,048	1,012	849	809	876
Construction	1,526	1,646	1,747	1,957	2,038	2,201	2,288	2,538	2,026	1,893	1,824	1,772	1,759	1,976	2,048	2,258
Manufacturing	11,996	13,714	13,921	14,786	14,003	13,983	15,205	16,468	10,292	10,417	9,879	10,667	10,107	9,929	10,057	10,278
Transportation and public utilities	4,419	4,714	4,605	4,478	4,555	4,672	5,006	5,214	5,778	6,111	6,454	6,366	6,633	6,490	6,835	7,271
Wholesale trade	3,201	3,356	3,646	3,563	3,828	4,154	4,264	4,596	3,252	3,370	3,495	3,521	3,764	4,020	4,104	4,428
Retail trade	4,610	4,787	4,982	5,064	5,040	5,167	5,322	5,823	4,731	5,011	5,065	5,013	5,045	5,183	5,367	5,814
Finance, insurance, and real estate	8,022	8,135	8,135	7,892	8,037	8,425	8,485	8,804	7,467	7,391	7,300	7,324	7,270	7,527	7,248	7,275
Services	8,506	8,748	8,856	8,651	8,736	8,924	9,037	9,331	8,163	8,432	8,754	8,708	8,818	8,944	9,142	9,282
Government	7,092	7,273	7,364	7,391	7,434	7,545	7,567	7,666	7,656	7,879	7,973	8,107	8,093	8,429	8,591	8,652
Not allocated by industry ¹	-259	-423	-152	-7	-22	0	-2	-81	-102	-127	-125	-6	-12	0	-6	-43
	Minnesota								Missouri							
Total gross state product	98,419	101,637	104,929	105,254	105,226	110,655	111,922	118,672	107,337	111,459	113,721	111,239	111,928	114,672	115,214	121,801
Agriculture, forestry, and fishing	3,156	2,295	3,212	3,595	3,151	3,260	1,896	3,336	1,961	1,687	1,907	1,996	1,969	2,283	1,794	2,286
Mining	330	344	358	408	539	632	564	465	358	369	343	325	318	343	319	362
Construction	4,410	4,283	4,441	4,475	4,272	4,655	4,760	4,999	4,724	4,656	4,554	4,303	4,104	4,415	4,641	5,473
Manufacturing	22,341	23,662	23,033	22,473	21,245	22,426	22,440	24,303	22,981	25,074	26,353	24,511	24,566	24,863	23,763	25,939
Transportation and public utilities	7,546	7,927	8,188	8,309	8,815	8,617	8,947	9,248	11,382	11,944	11,854	12,070	12,485	12,191	12,772	13,023
Wholesale trade	6,990	6,892	7,413	7,237	7,814	8,515	8,844	9,802	6,642	7,155	7,583	7,337	7,779	8,334	8,493	9,164
Retail trade	8,945	9,571	9,741	9,570	9,312	9,679	10,180	10,868	10,612	10,916	11,045	10,681	10,628	10,959	11,462	12,195
Finance, insurance, and real estate	16,157	16,679	17,124	16,857	17,437	18,896	19,793	20,367	15,797	16,188	16,015	15,831	15,803	16,606	16,821	17,460
Services	17,582	18,256	19,380	19,864	19,939	21,070	21,536	22,196	20,108	20,612	20,982	20,823	20,812	21,227	21,746	22,402
Government	11,633	11,995	12,104	12,477	12,706	12,905	12,947	13,144	12,859	12,970	13,145	13,411	13,480	13,452	13,400	13,529
Not allocated by industry ¹	-71	-268	-66	-12	-5	0	16	-56	-87	-112	-59	-48	-16	0	2	-31
	Nebraska								North Dakota							
Total gross state product	31,268	32,496	33,643	34,870	35,736	37,152	37,218	39,613	11,805	11,020	11,432	11,910	11,724	12,579	12,355	12,966
Agriculture, forestry, and fishing	2,193	2,375	2,663	3,211	3,218	3,575	2,728	3,497	982	336	848	1,104	983	1,436	959	1,385
Mining	91	92	93	88	93	98	95	100	717	769	596	608	518	438	406	384
Construction	984	1,032	1,057	1,115	1,178	1,290	1,407	1,611	452	416	406	420	433	480	514	553
Manufacturing	4,304	4,634	4,883	5,233	5,077	5,243	5,356	5,921	719	771	801	863	835	818	839	958
Transportation and public utilities	3,153	3,271	3,226	3,209	3,574	3,890	4,215	4,524	1,145	1,199	1,160	1,157	1,154	1,284	1,385	1,461
Wholesale trade	2,102	2,272	2,428	2,496	2,656	2,888	2,959	3,066	893	925	965	938	984	1,064	1,119	1,222
Retail trade	2,840	2,892	2,950	2,973	2,983	3,032	3,168	3,405	1,075	1,088	1,113	1,114	1,101	1,127	1,200	1,260
Finance, insurance, and real estate	5,022	5,052	5,128	4,938	5,214	5,324	5,419	5,447	1,635	1,573	1,537	1,604	1,585	1,723	1,694	1,558
Services	5,198	5,424	5,674	5,761	5,799	5,913	6,030	6,249	1,978	2,003	1,981	1,977	2,003	2,026	2,053	2,129
Government	5,612	5,641	5,682	5,876	5,958	5,899	5,842	5,834	2,248	2,102	2,057	2,110	2,137	2,183	2,184	2,071
Not allocated by industry ¹	-231	-188	-139	-30	-15	0	0	-40	-37	-163	-32	14	-9	0	1	-16
	South Dakota								Southeast							
Total gross state product	12,832	12,862	13,080	13,663	14,216	14,934	15,719	16,524	1,169,609	1,226,727	1,253,446	1,258,903	1,265,188	1,305,518	1,345,501	1,416,855
Agriculture, forestry, and fishing	1,187	1,034	1,129	1,504	1,494	1,679	1,415	1,829	19,437	19,533	19,866	21,846	24,398	25,977	24,077	27,586
Mining	169	168	148	154	194	211	233	176	22,883	25,896	22,965	22,508	21,724	20,133	20,199	23,606
Construction	421	421	433	480	489	535	568	617	53,226	55,089	54,818	54,491	49,623	50,542	53,296	57,097
Manufacturing	1,121	1,270	1,273	1,445	1,462	1,620	2,109	1,942	243,483	254,426	256,988	252,509	247,323	252,550	260,147	279,847
Transportation and public utilities	1,030	1,129	1,054	1,032	1,130	1,161	1,241	1,328	101,114	107,496	107,039	110,572	118,221	124,035	132,927	138,956
Wholesale trade	688	744	798	788	868	933	962	1,048	64,761	69,783	74,729	73,403	78,464	84,219	88,071	95,290
Retail trade	1,238	1,262	1,298	1,368	1,373	1,442	1,522	1,612	115,093	121,156	124,862	122,812	120,320	124,478	131,259	140,692
Finance, insurance, and real estate	3,109	2,870	2,954	2,653	2,838	2,836	3,011	3,276	180,825	188,573	193,280	191,203	191,319	199,746	204,378	211,571
Services	1,952	2,023	2,059	2,142	2,204	2,313	2,414	2,496	191,092	202,283	212,619	218,930	220,059	228,710	236,355	244,784
Government	2,043	2,064	2,049	2,101	2,169	2,204	2,246	2,201	177,785	182,043	186,831	191,148	19			

Table 10.—Real Gross State Product by Industry, 1987–94—Continued

[Millions of chained (1992) dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1987	1988	1989	1990	1991	1992	1993	1994
	Alabama								Arkansas							
Total gross state product	71,618	74,673	74,681	75,366	76,906	79,706	80,547	84,630	37,931	39,088	39,936	40,000	41,545	44,214	45,491	48,344
Agriculture, forestry, and fishing	1,215	1,258	1,363	1,482	1,826	1,783	1,753	1,954	1,520	1,643	1,539	1,580	1,761	2,059	1,716	2,353
Mining	881	1,009	967	1,025	1,065	1,114	1,138	1,329	384	465	418	348	379	366	370	405
Construction	2,631	2,794	2,798	3,037	2,952	2,992	3,066	3,286	1,339	1,322	1,306	1,412	1,419	1,557	1,618	1,735
Manufacturing	17,203	18,241	17,315	17,303	16,884	17,872	17,840	18,805	9,309	9,602	10,118	9,996	10,150	10,434	11,151	12,127
Transportation and public utilities	6,482	7,246	7,170	7,392	7,884	7,965	8,214	8,530	4,087	4,440	4,357	4,572	4,838	5,518	5,867	5,989
Wholesale trade	3,590	3,780	4,078	4,039	4,325	4,671	4,974	5,373	1,921	2,051	2,183	2,145	2,344	2,623	2,780	2,998
Retail trade	7,008	7,237	7,406	7,350	7,352	7,638	8,085	8,713	3,842	3,960	4,018	4,005	4,153	4,425	4,738	5,069
Finance, insurance, and real estate	8,965	9,084	9,120	8,868	9,135	9,789	9,829	10,095	4,805	4,636	4,866	4,616	4,782	5,058	5,082	5,296
Services	10,841	11,022	11,475	11,761	12,024	12,669	12,881	13,029	5,610	5,754	5,930	5,952	6,175	6,488	6,519	6,716
Government	12,987	13,046	13,069	13,146	13,461	13,314	12,773	13,562	5,180	5,208	5,249	5,407	5,577	5,685	5,654	5,684
Not allocated by industry ¹	-186	-43	-82	-37	-1	0	-7	-46	-66	7	-46	-33	-12	0	-4	-29
	Florida								Georgia							
Total gross state product	246,059	260,352	270,082	272,680	273,329	279,781	289,909	301,800	138,624	145,042	148,064	149,311	151,170	158,770	165,699	175,034
Agriculture, forestry, and fishing	5,037	5,033	5,069	5,263	5,879	6,195	5,892	5,933	1,910	1,954	2,111	2,241	2,615	2,765	2,582	3,224
Mining	854	852	869	807	842	798	713	712	799	832	745	728	700	682	732	758
Construction	13,726	14,378	14,311	13,877	12,225	12,201	13,061	13,715	6,922	6,766	6,354	6,269	5,380	5,375	5,699	6,304
Manufacturing	24,747	25,790	26,072	25,620	24,654	24,550	25,054	25,892	28,159	28,375	27,268	27,257	29,177	30,036	32,153	32,153
Transportation and public utilities	20,379	21,737	21,626	22,537	23,872	24,820	26,969	28,881	13,895	14,691	14,734	15,460	16,924	18,268	20,207	21,113
Wholesale trade	14,452	15,935	17,061	16,821	17,879	19,423	20,380	22,061	10,995	12,000	12,830	12,316	13,109	14,133	14,887	15,934
Retail trade	28,301	30,669	31,818	31,445	30,607	31,104	32,822	34,930	13,243	13,890	14,293	13,999	13,648	13,980	14,991	16,315
Finance, insurance, and real estate	52,918	55,408	57,538	56,791	57,135	59,730	61,583	63,865	21,069	22,730	23,544	23,458	23,614	24,771	25,473	26,645
Services	52,792	56,143	59,571	61,592	61,651	62,988	65,263	67,467	21,496	23,017	24,499	25,798	25,846	27,338	28,591	29,770
Government	32,674	34,214	36,175	38,061	38,629	37,972	38,178	38,399	20,063	20,751	21,382	21,886	22,090	22,281	22,510	22,870
Not allocated by industry ¹	178	194	-26	-134	-43	0	-6	-56	74	35	-52	-110	-13	0	-8	-54
	Kentucky								Louisiana							
Total gross state product	67,105	69,943	71,589	71,906	71,727	76,064	78,568	83,249	91,146	95,845	92,951	93,930	93,450	90,788	91,651	97,022
Agriculture, forestry, and fishing	1,784	1,570	1,812	1,959	2,105	2,388	2,123	2,301	996	1,056	881	1,019	1,086	1,095	971	1,226
Mining	2,204	2,403	2,406	2,533	2,508	2,734	3,062	3,396	12,805	14,980	12,099	11,480	10,723	8,808	8,934	10,765
Construction	2,546	2,569	2,673	2,634	2,574	2,878	3,023	3,223	3,221	3,318	3,285	3,586	3,798	3,995	3,962	4,207
Manufacturing	18,619	19,936	20,211	19,997	18,600	19,258	20,579	22,665	15,382	17,314	17,716	18,249	17,421	15,366	15,258	16,431
Transportation and public utilities	5,308	5,751	5,683	5,986	6,332	7,387	7,721	8,038	9,095	9,283	8,996	9,268	10,146	10,022	10,398	10,752
Wholesale trade	3,030	3,172	3,494	3,468	3,763	4,059	4,227	4,647	4,238	4,488	4,657	4,538	4,945	5,172	5,255	5,635
Retail trade	6,119	6,356	6,458	6,394	6,357	6,653	7,020	7,468	7,712	7,604	7,866	7,630	7,548	7,790	8,045	8,509
Finance, insurance, and real estate	8,146	8,319	8,358	8,248	8,234	8,589	8,635	8,872	12,893	12,513	12,233	12,207	11,728	12,000	12,195	12,398
Services	9,672	10,069	10,472	10,503	10,620	11,000	11,203	11,510	13,537	13,992	14,254	14,658	14,544	14,850	14,984	15,501
Government	9,869	9,997	10,171	10,254	10,658	11,120	10,996	11,203	10,950	10,794	10,712	11,144	11,440	11,689	11,654	11,710
Not allocated by industry ¹	-191	-200	-147	-70	-24	0	-19	-74	317	504	250	151	72	0	-5	-112
	Mississippi								North Carolina							
Total gross state product	39,070	40,241	40,442	40,198	41,054	43,318	44,741	48,176	143,379	151,541	156,525	156,007	155,599	161,432	166,269	177,167
Agriculture, forestry, and fishing	1,133	1,139	962	1,058	1,226	1,288	1,084	1,533	2,283	2,355	2,494	3,193	3,573	3,723	3,687	4,192
Mining	866	955	742	705	627	504	388	381	471	433	376	289	263	204	212	231
Construction	1,264	1,290	1,319	1,370	1,309	1,408	1,560	1,744	5,751	6,008	5,989	5,908	5,441	5,738	6,114	6,653
Manufacturing	8,938	9,462	9,636	9,424	9,461	10,200	10,382	11,359	49,023	51,862	53,290	51,096	49,295	49,856	50,423	55,736
Transportation and public utilities	4,703	4,735	4,595	4,603	5,025	5,729	6,079	6,017	10,537	11,112	11,571	11,759	12,609	12,370	13,312	13,786
Wholesale trade	1,790	1,981	2,126	2,113	2,265	2,414	2,530	2,767	7,451	7,980	8,651	8,632	9,237	9,970	10,422	11,391
Retail trade	4,065	4,085	4,149	4,074	4,051	4,222	4,441	4,889	12,766	13,710	14,166	13,623	13,342	14,079	14,786	15,948
Finance, insurance, and real estate	4,780	4,826	4,863	4,663	4,779	4,998	5,070	5,283	18,139	19,045	19,140	19,616	19,539	20,390	21,002	21,883
Services	4,951	5,040	5,193	5,356	5,514	5,744	6,211	7,011	17,815	19,419	20,499	21,150	21,214	22,516	23,538	24,478
Government	6,561	6,683	6,889	6,851	6,800	6,810	6,994	7,190	19,491	20,034	20,723	20,893	21,088	22,587	22,765	22,998
Not allocated by industry ¹	19	45	-33	-19	-4	0	2	2	-349	-417	-376	-153	-2	0	10	-129
	South Carolina								Tennessee							
Total gross state product	62,733	65,748	68,045	69,536	69,625	71,132	73,323	76,721	96,687	100,388	101,794	100,440	102,956	109,113	112,296	120,661
Agriculture, forestry, and fishing	713	750	765	795	914	924	888	1,060	1,274	1,172	1,153	1,316	1,456	1,627	1,465	1,694
Mining	139	139	171	143	142	152	161	156	372	402	397	407	395	404	367	354
Construction	3,187	3,412	3,414	3,916	3,330	3,041	3,158	3,265	3,925	3,949	3,927	3,691	3,505	3,791	4,044	4,396
Manufacturing	16,266	16,705	17,625	17,267	17,913	19,079	20,024	21,574	23,450	24,562	25,165	24,180	24,861	26,716	28,079	29,706
Transportation and public utilities	4,890	5,372	5,518	5,628	5,712	5,604	6,004	6,174	7,217	7,502	7,162	7,275	8,030	8,770	9,000	10,289
Wholesale trade	3,121	3,273	3,479	3,499	3,646	3,768	3,933	4,255	6,167	6,448	6,796	6,788	7,345	7,938	8,249	8,995
Retail trade	6,336	6,672	6,863	6,975	6,682	6,949	7,350	7,851	10,426	10,901	11,071	10,878	10,792	11,692	12,457	13,550
Finance, insurance, and real estate	8,231	8,710	8,824	9,184	9,003	9,134	9,176	9,584	13,344	13,724	13,636	13,061	13,281	14,116	14,437	15,186
Services	8,196	8,771	9,250	9,763	9,703	10,039	10,372	10,812	16,860	17,838	18,708	19,113	19,388	20,675	21,149	21,958
Government	11,653	11,949	12,116	12,381	12,580	12,441										

Table 10.—Real Gross State Product by Industry, 1987-94—Continued

[Millions of chained (1992) dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1987	1988	1989	1990	1991	1992	1993	1994
	Virginia								West Virginia							
Total gross state product	147,245	154,379	160,020	160,125	158,259	160,558	165,444	170,594	27,871	29,403	29,386	29,432	29,555	30,642	31,563	33,485
Agriculture, forestry, and fishing	1,371	1,408	1,500	1,699	1,716	1,846	1,650	1,832	206	201	223	241	243	283	285	295
Mining	33,161	44,483	38,370	41,746	44,384	42,016	39,427	42,602	2,424	2,737	2,868	3,041	3,140	3,283	2,974	3,920
Construction	7,637	8,185	8,361	7,555	6,449	6,283	6,567	6,996	1,076	1,098	1,080	1,237	1,242	1,283	1,422	1,574
Manufacturing	27,421	27,039	26,827	26,934	25,989	25,068	26,142	27,885	5,080	5,630	5,517	5,240	4,838	4,974	5,179	5,562
Transportation and public utilities	11,289	12,035	12,090	12,630	13,253	13,751	14,750	14,939	3,236	3,586	3,545	3,468	3,600	3,931	4,406	4,441
Wholesale trade	6,675	7,300	7,922	7,577	8,034	8,396	8,740	9,444	1,331	1,377	1,452	1,469	1,572	1,852	1,695	1,789
Retail trade	12,619	13,333	13,999	13,766	13,142	13,256	13,704	14,467	2,655	2,738	2,754	2,673	2,647	2,690	2,819	2,984
Finance, insurance, and real estate	23,988	25,998	27,642	27,086	26,623	27,682	28,407	28,876	3,580	3,602	3,508	3,401	3,486	3,488	3,490	3,588
Services	24,991	26,789	28,254	28,634	28,689	29,553	30,677	31,480	4,363	4,440	4,513	4,647	4,690	4,849	4,970	5,049
Government	30,599	31,379	32,510	33,285	33,440	33,637	33,664	33,523	4,127	4,072	3,968	4,029	4,101	4,208	4,302	4,379
Not allocated by industry ¹	-207	-32	-13	-41	-24	0	-6	-68	-207	-88	-42	-13	-5	0	20	-96
	Southwest								Arizona							
Total gross state product	510,261	543,099	552,042	565,496	575,878	597,401	615,246	651,023	69,802	72,186	72,345	72,754	72,803	78,449	82,159	89,450
Agriculture, forestry, and fishing	8,359	8,170	7,892	9,841	10,151	11,095	11,544	11,707	1,300	1,285	1,220	1,353	1,471	1,473	1,502	1,436
Mining	33,161	44,483	38,370	41,746	44,384	42,016	39,427	42,602	525	737	765	813	1,107	1,316	1,099	1,048
Construction	21,794	20,856	20,647	21,228	21,760	23,598	24,619	27,248	4,380	4,025	3,726	3,551	3,466	3,632	3,978	4,808
Manufacturing	76,765	87,453	88,056	88,724	84,846	87,330	92,308	103,107	9,397	9,959	9,187	9,270	8,924	10,358	11,344	13,682
Transportation and public utilities	48,696	50,123	52,283	53,237	57,034	61,575	65,127	70,068	5,566	5,948	5,761	5,644	5,138	6,958	7,432	8,055
Wholesale trade	30,222	32,113	34,114	34,021	37,682	40,375	41,925	45,539	3,427	3,508	3,901	3,879	4,227	4,645	4,864	5,531
Retail trade	49,895	51,788	52,567	53,053	53,033	54,882	57,498	61,378	7,575	7,863	8,048	8,072	8,003	8,320	8,858	9,794
Finance, insurance, and real estate	77,277	77,556	82,305	82,139	83,156	88,401	89,886	92,628	13,544	13,496	13,317	13,543	13,440	14,345	14,982	15,945
Services	89,591	94,208	98,565	102,814	104,012	106,614	109,438	112,611	13,326	14,297	14,832	15,173	15,298	15,604	16,095	16,875
Government	75,659	76,661	78,433	79,198	79,802	81,515	83,456	84,398	10,860	11,115	11,705	11,560	11,769	11,798	11,997	12,312
Not allocated by industry ¹	-1,157	-311	-1,188	-507	17	0	18	-263	-99	-46	-117	-105	-40	0	8	-37
	New Mexico								Oklahoma							
Total gross state product	26,647	27,038	27,370	27,847	30,891	31,771	33,626	36,473	56,578	59,886	59,233	59,612	60,171	61,357	62,288	63,541
Agriculture, forestry, and fishing	491	517	578	669	685	754	748	736	1,403	1,468	1,490	1,582	1,474	1,790	1,861	1,904
Mining	2,308	2,847	2,375	2,478	2,669	2,544	2,586	2,908	4,205	5,576	4,351	4,227	4,094	3,527	3,363	3,534
Construction	1,170	1,106	1,091	1,059	1,070	1,234	1,422	1,674	1,515	1,518	1,563	1,649	1,576	1,700	1,802	1,945
Manufacturing	1,639	1,552	1,689	1,643	3,615	3,345	4,041	5,099	8,729	9,893	10,124	10,211	10,398	10,613	10,873	10,778
Transportation and public utilities	2,765	2,457	2,709	2,665	2,843	3,122	3,200	3,563	5,392	5,521	5,427	5,614	6,090	6,351	6,711	7,035
Wholesale trade	1,042	1,125	1,159	1,179	1,285	1,397	1,479	1,603	2,895	3,150	3,295	3,199	3,506	3,699	3,689	3,947
Retail trade	2,608	2,675	2,729	2,804	2,856	3,037	3,228	3,466	5,612	5,963	5,962	5,887	5,918	5,992	6,204	6,504
Finance, insurance, and real estate	3,942	3,806	3,916	3,957	4,037	4,313	4,517	4,806	7,519	7,270	7,112	7,227	7,251	7,495	7,444	7,649
Services	4,844	5,095	5,240	5,335	5,604	5,701	5,986	6,167	9,261	9,447	9,761	9,820	9,584	9,671	9,862	10,000
Government	5,895	5,860	5,941	6,097	6,226	6,324	6,418	6,485	10,172	9,999	10,144	10,197	10,273	10,518	10,480	10,257
Not allocated by industry ¹	-58	-3	-56	-38	1	0	0	-34	-125	82	3	0	6	0	0	-13
	Texas								Rocky Mountain							
Total gross state product	357,257	384,014	393,119	405,285	412,004	425,824	437,173	461,547	145,573	150,443	152,996	157,449	162,034	170,064	179,792	189,624
Agriculture, forestry, and fishing	5,165	4,900	4,603	6,236	6,521	7,078	7,434	7,632	3,742	3,389	4,079	4,873	4,697	5,004	5,545	5,087
Mining	26,173	35,396	30,884	34,239	36,514	34,629	32,376	35,117	6,594	8,057	7,515	8,094	8,461	8,231	8,625	9,439
Construction	14,728	14,207	14,266	14,970	15,648	17,031	17,416	18,821	6,066	5,748	5,763	6,082	6,687	7,571	8,595	9,653
Manufacturing	56,972	66,051	67,054	67,959	61,905	63,015	66,052	73,562	18,158	19,696	19,518	19,468	19,793	21,074	22,407	23,895
Transportation and public utilities	34,959	36,184	38,382	39,311	42,963	45,144	47,784	51,416	14,979	15,770	15,715	16,433	17,134	18,156	19,869	21,391
Wholesale trade	22,857	24,330	25,759	25,764	28,664	30,633	31,893	34,458	7,555	7,792	8,362	8,374	9,187	9,892	10,433	11,563
Retail trade	34,100	35,287	35,828	36,291	36,256	37,533	39,208	41,613	14,044	14,477	15,035	15,362	15,463	16,423	17,462	19,096
Finance, insurance, and real estate	52,282	52,984	57,960	57,413	58,429	62,247	62,943	64,226	23,411	23,208	23,551	23,545	23,988	25,415	26,689	27,844
Services	62,162	65,370	68,733	72,487	73,525	75,638	77,496	79,569	26,569	27,517	28,606	29,591	30,410	31,621	33,070	34,636
Government	48,732	49,686	50,642	51,344	51,534	52,875	54,561	55,344	24,968	25,112	25,146	25,691	26,220	26,677	27,102	27,079
Not allocated by industry ¹	-873	-381	-992	-370	45	0	10	-211	-512	-324	-294	-64	-6	0	-6	-60
	Colorado								Idaho							
Total gross state product	74,413	76,451	77,131	78,837	80,969	85,434	90,772	95,327	16,094	16,821	18,007	18,483	18,815	20,116	21,572	23,000
Agriculture, forestry, and fishing	1,264	1,229	1,336	1,718	1,481	1,593	1,745	1,663	1,119	1,085	1,333	1,551	1,405	1,513	1,671	1,536
Mining	1,389	1,739	1,555	1,580	1,596	1,484	1,581	1,789	153	146	174	198	185	172	159	162
Construction	3,252	3,036	2,949	3,021	3,311	3,846	4,461	4,920	658	694	763	897	968	1,137	1,281	1,444
Manufacturing	9,771	10,368	9,695	9,721	9,896	10,914	11,646	12,106	2,768	3,156	3,484	3,165	3,073	3,271	3,778	4,338
Transportation and public utilities	7,011	7,433	7,467	8,012	8,391	8,919	9,772	10,646	1,386	1,444	1,465	1,491	1,661	1,812	1,980	2,119
Wholesale trade	4,060	4,099	4,394	4,435	4,835	5,259	5,545	6,177	826	878	960	988	1,094	1,219	1,276	1,418
Retail trade	7,491	7,636	7,888	8,013	8,019	8,421	9,000	9,799	1,677	1,764	1,883	1,960	1,960	2,100	2,243	2,443
Finance, insurance, and real estate	13,272	13,309	13,549	13,414	13,698	14,343	15,359	15,765	2,287	2,274	2,378	2,357	2,453	2,642	2,732	2,891
Services	14,688	15,317	16,289	16,427	16,893	17,507	18,301	19,229	2,731	2,843	2,927	3,033	3,108	3,258	3,390	3,509
Government	12,326	12,363														

Table 10.—Real Gross State Product by Industry, 1987–94—Continued

[Millions of chained (1992) dollars]

	1987	1988	1989	1990	1991	1992	1993	1994	1987	1988	1989	1990	1991	1992	1993	1994
	Montana								Utah							
Total gross state product	13,406	13,308	13,775	13,895	14,272	15,075	15,689	16,046	29,718	31,015	31,451	32,860	34,151	35,314	37,043	39,666
Agriculture, forestry, and fishing	700	447	768	806	943	928	1,130	974	382	391	381	452	449	531	531	538
Mining	718	857	759	769	882	885	836	884	1,030	1,311	1,184	1,299	1,368	1,265	1,459	1,525
Construction	485	461	466	481	540	602	649	713	1,205	1,136	1,167	1,251	1,395	1,516	1,704	2,021
Manufacturing	1,124	1,090	1,224	1,145	1,050	1,188	1,228	1,155	4,083	4,483	4,583	4,832	5,123	5,111	5,139	5,673
Transportation and public utilities	1,777	1,823	1,773	1,816	1,827	1,909	2,012	2,106	2,911	3,042	3,077	3,119	3,185	3,201	3,882	4,467
Wholesale trade	695	716	767	769	828	908	947	1,022	1,609	1,701	1,845	1,812	2,021	2,084	2,238	2,467
Retail trade	1,251	1,283	1,338	1,366	1,404	1,495	1,567	1,673	2,780	2,975	3,091	3,159	3,210	3,503	3,701	4,166
Finance, insurance, and real estate	1,956	1,921	1,881	1,847	1,803	2,019	2,040	2,121	4,461	4,364	4,353	4,546	4,666	5,037	5,126	5,509
Services	2,345	2,383	2,423	2,464	2,512	2,639	2,723	2,830	5,669	5,844	6,034	6,421	6,662	6,954	7,341	7,670
Government	2,438	2,422	2,413	2,464	2,480	2,502	2,556	2,574	5,665	5,759	5,759	5,961	6,068	6,113	6,200	6,231
Not allocated by industry ¹	-82	-94	-38	-30	2	0	1	-6	-77	7	-23	-13	5	0	-7	-16
	Wyoming								Far West							
Total gross state product	11,979	12,863	12,649	13,372	13,823	14,124	14,713	15,582	978,233	1,037,040	1,086,899	1,122,695	1,110,126	1,111,945	1,116,147	1,139,083
Agriculture, forestry, and fishing	276	238	261	348	419	439	467	376	19,246	18,447	18,884	22,279	21,784	24,231	24,159	24,807
Mining	3,298	4,002	3,841	4,248	4,430	4,424	4,590	5,081	13,235	15,011	13,881	14,737	13,076	11,901	12,896	11,012
Construction	466	421	418	432	474	469	499	556	43,344	45,931	48,888	49,161	44,479	41,917	41,235	43,315
Manufacturing	415	611	545	610	649	591	614	622	146,870	159,244	161,844	159,705	154,038	149,843	151,899	156,518
Transportation and public utilities	1,895	2,029	1,934	1,994	2,069	2,316	2,493	2,636	71,295	72,631	77,055	80,892	80,446	81,053	84,916	88,091
Wholesale trade	365	397	396	370	408	422	428	479	55,541	59,676	64,754	65,315	68,439	72,826	73,288	78,629
Retail trade	845	819	836	864	870	904	951	1,015	90,070	96,471	101,641	103,492	101,659	102,242	103,816	107,951
Finance, insurance, and real estate	1,438	1,339	1,388	1,382	1,368	1,374	1,432	1,557	203,458	219,598	233,133	244,516	243,011	242,007	237,928	240,457
Services	1,137	1,131	1,193	1,246	1,235	1,263	1,315	1,359	200,488	212,333	224,867	236,640	235,825	238,220	239,348	242,078
Government	1,958	1,923	1,899	1,894	1,900	1,922	1,924	1,919	134,062	137,382	141,829	145,658	147,403	147,705	146,748	146,396
Not allocated by industry ¹	-113	-45	-62	-16	1	0	0	-19	623	316	121	299	-33	0	-86	-171
	Alaska								California							
Total gross state product	23,881	24,429	24,899	25,157	23,281	22,241	24,615	22,308	742,606	786,822	824,032	846,614	831,680	826,532	819,175	833,935
Agriculture, forestry, and fishing	412	523	455	494	467	391	447	339	13,905	13,090	13,371	15,853	15,104	17,100	16,969	17,850
Mining	7,444	8,372	7,716	7,989	6,395	5,396	6,986	4,554	4,899	5,565	5,003	5,390	4,924	4,551	3,926	4,698
Construction	824	709	750	765	759	765	883	976	33,902	35,471	36,894	35,648	30,734	27,820	26,274	27,466
Manufacturing	1,011	1,152	1,235	1,293	1,285	1,200	1,186	1,042	113,408	122,381	123,812	122,755	119,480	115,325	116,145	119,540
Transportation and public utilities	3,677	3,222	3,774	3,415	3,221	3,195	3,619	3,849	50,382	51,212	54,762	57,700	56,365	56,712	58,765	60,741
Wholesale trade	469	463	501	509	561	591	600	655	42,730	46,020	49,794	49,885	51,728	54,811	54,614	58,320
Retail trade	1,192	1,193	1,267	1,321	1,327	1,354	1,393	1,502	68,575	73,338	76,741	77,412	75,334	75,123	75,597	77,762
Finance, insurance, and real estate	2,073	2,028	2,185	2,162	2,218	2,238	2,346	2,347	163,240	177,061	188,228	195,912	194,317	191,285	185,651	186,700
Services	2,137	2,157	2,298	2,410	2,406	2,403	2,445	2,476	156,539	165,612	175,285	183,157	180,234	180,758	179,988	180,425
Government	4,408	4,366	4,523	4,590	4,614	4,708	4,728	4,490	94,439	96,855	100,048	102,753	103,492	103,048	101,298	100,712
Not allocated by industry ¹	235	243	197	208	28	0	-17	78	587	236	95	149	-34	0	-51	-278
	Hawaii								Nevada							
Total gross state product	28,156	30,153	32,438	34,891	34,904	34,987	35,156	34,748	25,879	28,506	30,802	32,952	34,018	36,040	38,237	41,547
Agriculture, forestry, and fishing	435	412	404	486	483	500	471	466	197	204	222	256	259	263	299	306
Mining	14	15	17	19	32	34	31	27	706	831	865	1,009	1,356	1,523	1,534	1,305
Construction	1,283	1,455	1,810	2,079	2,209	2,147	2,200	2,021	1,399	1,735	2,145	2,299	2,043	2,100	2,547	2,904
Manufacturing	1,264	1,322	1,460	1,292	1,278	1,244	1,050	1,065	1,092	1,187	1,251	1,353	1,274	1,345	1,592	1,933
Transportation and public utilities	2,581	2,793	2,849	3,095	3,294	3,084	3,395	3,357	2,277	2,508	2,583	2,693	2,645	2,858	2,967	3,255
Wholesale trade	951	1,081	1,132	1,197	1,266	1,336	1,357	1,378	971	1,084	1,225	1,327	1,458	1,606	1,708	1,939
Retail trade	2,970	3,358	3,684	3,891	3,738	3,804	3,887	3,966	2,532	2,792	3,031	3,120	3,234	3,397	3,579	3,987
Finance, insurance, and real estate	6,361	6,844	7,556	8,616	8,139	8,190	8,193	7,976	4,345	4,797	5,268	5,636	5,825	6,245	6,765	7,561
Services	5,567	5,989	6,417	6,930	7,083	7,112	7,048	7,062	9,250	10,133	10,691	11,606	11,962	12,550	13,025	13,985
Government	6,766	6,909	7,142	7,294	7,380	7,536	7,526	7,438	3,242	3,325	3,617	3,713	3,966	4,152	4,217	4,365
Not allocated by industry ¹	-35	-25	-33	-7	4	0	-2	-9	-132	-90	-97	-60	-5	0	4	6
	Oregon								Washington							
Total gross state product	53,487	56,624	58,612	60,792	61,531	63,345	66,466	70,122	104,079	110,373	115,990	122,193	124,701	128,800	132,494	136,328
Agriculture, forestry, and fishing	1,573	1,598	1,618	1,869	1,954	2,072	2,138	2,169	2,725	2,625	2,816	3,322	3,519	3,905	3,835	3,681
Mining	66	69	68	88	90	109	118	99	204	254	248	259	278	288	294	312
Construction	1,727	1,956	2,235	2,635	2,696	2,708	2,887	3,239	4,210	4,606	5,054	5,735	6,039	6,376	6,445	6,708
Manufacturing	11,390	12,254	12,512	11,770	11,568	11,560	12,763	13,700	18,670	20,955	21,608	21,264	19,142	19,169	19,144	19,215
Transportation and public utilities	4,609	4,730	4,651	4,890	5,302	5,294	5,488	5,700	7,730	8,161	8,425	9,097	9,619	9,910	10,687	11,200
Wholesale trade	3,525	3,790	4,201	4,279	4,605	5,009	5,216	5,736	6,896	7,258	7,901	8,118	8,820	9,473	9,793	10,602
Retail trade	4,745	5,077	5,374	5,586	5,701	5,838	6,177	6,612	10,055	10,711	11,545	12,162	12,325	12,726	13,184	14,122
Finance, insurance, and real estate	8,982	9,419	9,491	10,311	10,204	10,797	11,069	11,640	18,447	19,435	20,391	21,874	22,305	23,252	23,903	24,232
Services	9,438	9,966	10,524	11,135	11,057	11,447	11,823	12,301	17,585	18,487	19,665	21,409	23,086	23,951	25,016	25,822
Government	7,516	7,853	8,017	8,287	8,364	8,510	8,779	8,915	17,690	18,073	18,483	19,201	19,588	19,751	20,200	20,473
Not allocated by industry ¹	-84	-87	-80	-57	-9	0	8	9								

Appendix A.—Industries for Which Gross State Product Estimates Are Available

	1987 SIC code		1987 SIC code
Agriculture, forestry, and fishing	A	Trucking and warehousing	42
Farms	01-02	Water transportation	44
Agricultural services, forestry, and fishing	07-09	Transportation by air	45
Mining	B	Pipelines, except natural gas	46
Metal mining	10	Transportation services	47
Coal mining	12	Communications	48
Oil and gas extraction	13	Electric, gas, and sanitary services	49
Nonmetallic minerals, except fuels	14	Wholesale trade	F
Construction	C	Retail trade	G
Manufacturing	D	Finance, insurance, and real estate	H
Durable goods		Depository institutions ²	60
Lumber and wood products	24	Nondepository institutions ²	61
Furniture and fixtures	25	Security and commodity brokers	62
Stone, clay, and glass products	32	Insurance carriers	63
Primary metal industries	33	Insurance agents, brokers, and service	64
Fabricated metal products	34	Real estate	65
Industrial machinery and equipment	35	Holding and other investment offices	67
Electronic and other electric equipment ¹	36	Services	I
Motor vehicles and equipment	371	Hotels and other lodging places	70
Other transportation equipment	372-79	Personal services	72
Instruments and related products ¹	38	Business services ³	73
Miscellaneous manufacturing industries	39	Auto repair, services, and parking	75
Nondurable goods		Miscellaneous repair services	76
Food and kindred products	20	Motion pictures	78
Tobacco products	21	Amusement and recreation services	79
Textile mill products	22	Health services	80
Apparel and other textile products	23	Legal services	81
Paper and allied products	26	Educational services	82
Printing and publishing	27	Social services	83
Chemicals and allied products	28	Membership organizations	86
Petroleum and coal products	29	Other services ³	84,87,89
Rubber and miscellaneous plastics products	30	Private households	88
Leather and leather products	31	Government	J
Transportation and public utilities	E	Federal civilian	91-96
Transportation		Federal military	97
Railroad transportation	40	State and local	91-96
Local and interurban passenger transit	41		

1. Estimates for 1977-86 are for the 1972 SIC industries electric and electronic equipment and instruments and related products.

2. Estimates for 1977-86 are for the 1972 SIC industries banking and credit agencies other than banks.

3. Estimates for 1977-86 are for the 1972 SIC industries business services and miscellaneous

professional services.

SIC Standard Industrial Classification. See Executive Office of the President, Office of Management and Budget, *Standard Industrial Classification Manual 1987* (Washington, DC: U.S. Government Printing Office, 1987).

Appendix B.—Relation of Gross State Product to Gross Product Originating and Gross Domestic Product, 1994

[Billions of dollars]

	GPO ¹	GSP			Difference between GPO and GSP	
		Compensation of employees	IBT and nontax liability	Other GSP		Total
Compensation of employees:						
Wage and salary accruals	3,256.1	² 3,247.0			3,247.0	9.1
Supplements to wages and salaries:						
Employer contributions for social insurance	350.2	³ 345.6			345.6	4.6
Other labor income	402.2	⁴ 402.0			402.0	.2
Indirect business tax and nontax liability	572.5		572.5		572.5	
Other gross product originating:						
Proprietors' income with IVA:						
Farm	42.5			⁵ 42.5	42.5	
Nonfarm	410.4			410.4	410.4	
Rental income of persons	159.4			159.4	159.4	
Corporate profits with IVA	453.6			453.6	453.6	
Net interest	462.9			462.9	462.9	
Business transfer payments	29.9			29.9	29.9	
Less: Subsidies less current surplus of government enterprises	25.1			25.1	25.1	
Private capital consumption allowances ⁶	645.4			645.4	645.4	
Government consumption of fixed capital: ⁷						
Federal	70.6			⁸ 20.0	20.0	50.6
State and local	69.4			69.4	69.4	
Equals: Gross domestic income	6,900.0	3,994.6	572.5	2,268.5	6,835.6	64.5
Plus: Statistical discrepancy	31.3					⁹ 31.3
Equals: Gross domestic product	6,931.3	3,994.6	572.5	2,268.5	6,835.6	95.7

1. For definitions of the line items shown in this table, see U.S. Department of Commerce, Bureau of Economic Analysis, *National Income And Product Accounts of the United States, Volume 2: 1959-88* (Washington, DC: U.S. Government Printing Office, 1992), and "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," SURVEY OF CURRENT BUSINESS 75 (September 1995): 33-41.

2. Differs from the gross product originating (GPO) entry because it excludes the wages and salaries of Federal civilian and military personnel stationed abroad.

The wage and salary accruals component of gross state product (GSP) differs from the wage and salary disbursements component of State earnings by place of work in State personal income (not shown) by \$13.8 billion. The GSP component excludes wages and salaries paid to U.S. residents employed by international organizations and by foreign embassies and consulates in the United States (\$0.6 billion), excludes other statistical revisions not yet incorporated in GPO (\$1.1 billion), and includes wage accruals less disbursements (\$15.5 billion). Wage accruals less disbursements is the difference between wages and salaries on a "when-earned" (accrual) basis, the proper timing for inclusion in GSP, and wages and salaries on a "when-paid" (disbursement) basis, the proper timing for inclusion in State earnings by place of work. For the data on State wage and salary disbursements, see "Comprehensive Revision of State Personal Income: 1969-95," SURVEY OF CURRENT BUSINESS 76 (October 1996): 48-93.

3. Differs from the GPO entry because it excludes employer contributions for social insurance of Federal civilian and military personnel stationed abroad.

4. Differs from the GPO entry because it excludes other labor income of Federal civilian personnel stationed abroad.

5. Differs from the corresponding component in State earnings by place of work (not shown) because different data sources are used for allocating U.S. Department of Agriculture estimates of net farm income by legal form of organization.

6. The estimate of private capital consumption allowances reflects depreciation and accidental damage valued at historical cost; the estimate is consistent with the valuation of depreciation and accidental damage in the estimates of proprietors' income, rental income of persons, and corporate profits.

7. Represents depreciation valued at current replacement cost, which is the valuation appropriate for gross domestic product.

8. Differs from the GPO entry because it excludes military structures located abroad and because the lack of adequate source data prevents the allocation of military equipment, except office equipment, to States.

9. Insufficient information is available for allocating the statistical discrepancy either among the components of GPO or by State.

GPO Gross product originating
 GSP Gross state product
 IBT Indirect business tax
 IVA Inventory valuation adjustment