

Territorial Economic Accounts for American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, and the U.S. Virgin Islands

New Estimates of GDP for 2015

New Estimates of GDP by Industry and Compensation by Industry for 2014

By Kevin J. Furlong and Erin M. Ludlow

IN COLLABORATION WITH the Department of the Interior’s Office of Insular Affairs (OIA) and with staff from the territorial governments, the Bureau of Economic Analysis (BEA) produces annual economic accounts for American Samoa, the Commonwealth of the Northern Mariana Islands (CNMI), Guam, and the U.S. Virgin Islands. The OIA provides funding for the work and facilitates interactions between BEA and the territorial governments.¹

The purpose of this ongoing project is to provide data users with comprehensive, objective measures of economic activity for these four U.S. territories. Consistent measures of economic activity are critical for understanding the territorial economies and how they

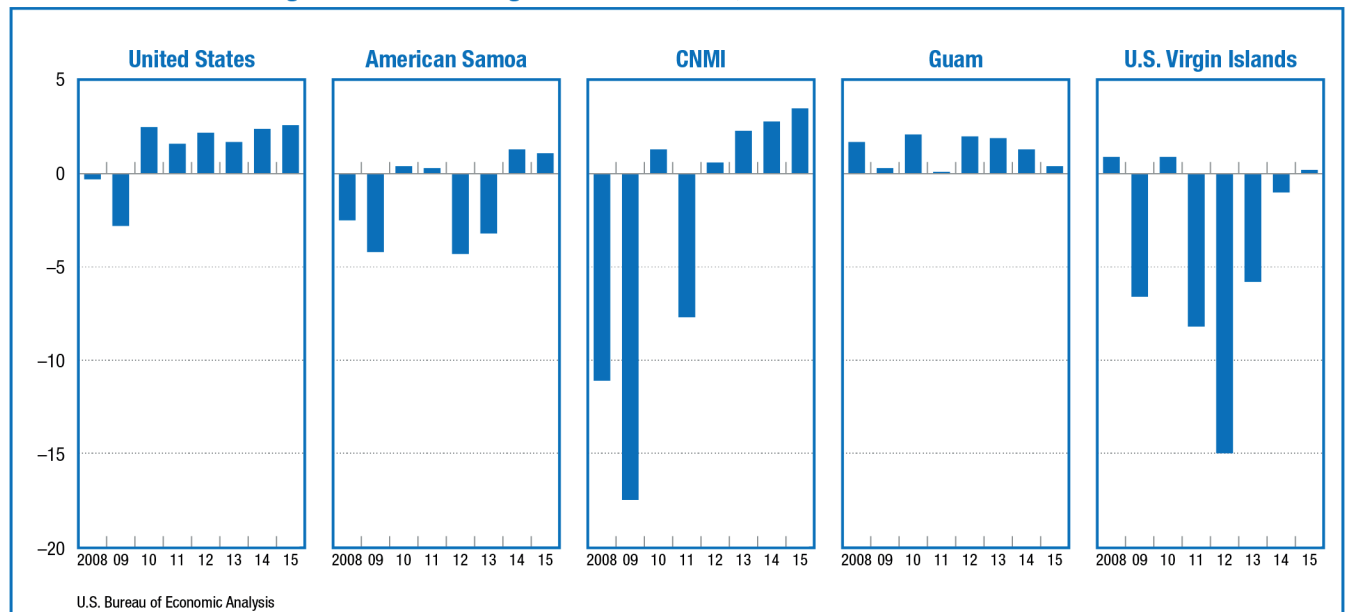
have developed over time. Without such measures, it is difficult for businesses and governments to make informed economic and financial planning decisions and for policymakers to assess the impacts of their decisions on growth. For the United States, BEA produces gross domestic product (GDP) and other related economic measures as part of its national income and product accounts (NIPAs); however, these estimates cover only the 50 states and the District of Columbia. Transactions with the territories are classified as transactions with the “rest-of-the-world.”

This year, BEA released new estimates of GDP for 2015, and revised estimates for 2013 and 2014.² These estimates are shown in chart 1 below. For comparison, real GDP growth for the United States (excluding the

1. OIA is the federal agency that manages the federal government’s relations with the governments of American Samoa, the CNMI, Guam, and the U.S. Virgin Islands. It works with these territories to encourage economic development, transparency of government, financial stability, and accountability.

2. BEA released these estimates during separate visits to the four territories that took place between August and December of 2016. Individual news releases for each of the territories are available on BEA’s Web site.

Chart 1. Percent Change From Preceding Year in Real GDP, 2008–2015



territories) is also shown.

Highlights of the latest estimates of GDP for each territory are described below.

American Samoa

Real GDP increased 1.1 percent in 2015 (see table A.1.3).

- The primary source of the increase in GDP was exports of goods (see table A.1.4). The increase in these exports reflected increased activity of the tuna canning industry, which continued to increase its output after opening a multimillion-dollar canning plant in early 2015.
- Government spending also increased, reflecting growth in spending by the territorial government.³ Major territorial government projects in 2015 included the rebuilding of the Satala Power Plant and the telecommunication authority's work to improve broadband capacity and coverage in American Samoa.

CNMI

Real GDP increased 3.5 percent in 2015 (see table B.1.3).

- The largest contributor to the increase in GDP was private fixed investment, which increased over 60 percent (see table B.1.4). This growth reflected investments by the gaming industry, including a temporary training facility and the development of an integrated casino resort.
- Territorial government spending increased, reflecting recovery operations and reconstruction following Typhoon Soudelor. The typhoon struck the CNMI in early August 2015, damaging the local power plant and the island's power distribution systems.
- Exports of services, which consists primarily of spending by tourists, grew for the fourth year in a row. The increase reflected growth in visitor arrivals from Korea and China.

Guam

Real GDP increased 0.4 percent in 2015 (see table C.1.3).

- The primary source of the increase in GDP was consumer spending (see table C.1.4), which was supported by growth in compensation and decreases in consumer prices.
- Exports of services, which consists primarily of spending by tourists, grew for a second consecutive

year. The increase reflected growth in Korean visitor arrivals and average spending by Korean tourists.

- Federal government spending also increased, reflecting growth in defense construction spending. Major projects included fuel pipeline and aircraft maintenance hangar construction to support operations at Andersen Air Force Base.

U.S. Virgin Islands

Real GDP increased 0.2 percent in 2015 (see table D.1.3).

- The largest contributor to the increase in GDP was exports of services (see table D.1.4), which consists primarily of spending by tourists. The increase in such exports reflected increases in air arrivals and hotel revenues.
- Consumer spending increased, supported by an increase in compensation and by lower energy prices.
- Government spending decreased, reflecting a decline in territorial government construction activity. Territorial government spending on capital assets had been elevated in previous years partly because of the development of a fiber optic network.

New estimates of GDP by industry and compensation by industry for 2014 were also included in the 2015 GDP news releases for each territory. These estimates, along with GDP for 2015, are presented in detail in the accompanying tables.⁴

The methods used to derive the estimates of GDP and GDP by industry are summarized in the appendix "Summary of Methodologies."

Future Directions

This project represents an important step toward achieving BEA's and OIA's long-term goal: to integrate these territories into the full set of U.S. NIPAs. A primary obstacle to realizing this goal is the lack of coverage of these four territories by most of the major surveys used by BEA to produce estimates of GDP and related economic measures.⁵ Until the territories are included in these surveys, BEA will continue to depend heavily on the assistance and information provided by each of the territorial governments and on continued support from OIA.

Other future enhancements to the estimates for the

3. In this article, "consumer spending" refers to "personal consumption expenditures," "inventory investment" refers to "change in private inventories," and "government spending" refers to "government consumption expenditures and gross investment."

4. The industry detail shown for GDP by industry and compensation by industry varies depending on the territory.

5. These surveys include merchant wholesale trade and retail trade surveys; the annual capital expenditures survey; value of construction put in place; the service annual survey; the annual survey of manufactures; manufacturers' shipments, inventories, and orders; and survey of government finances.

four territories (subject to data availability and funding) include developing supplementary measures that are included in the full set of the U.S. NIPAs, such as personal income and personal saving rates.

Appendix: Summary of Methodologies

The methodologies used to estimate GDP and GDP by industry for American Samoa, the Commonwealth of the Northern Mariana Islands (CNMI), Guam, and the U.S. Virgin Islands are consistent with the methods used to estimate GDP and GDP by industry for the United States (excluding the territories). Information from the Economic Census of Island Areas was used to establish levels of GDP for each territory for 2002, 2007, and 2012; for other years, annual indicator series were developed and used to estimate the components of GDP and of GDP by industry.

Gross domestic product

Consumer spending. Personal consumption expenditures (PCE) consists primarily of purchases of goods and services by households.⁶ Economic census data on the consumer shares of sales by industry were used to benchmark the estimates of household purchases of most goods and selected services.

Annual growth rates for most goods were derived using data on imports of goods and, where available, on gross business revenues. For American Samoa, the CNMI, and Guam, data on imports of goods were provided by the territorial government. For the U.S. Virgin Islands, data on imports of goods were available from the Census Bureau's *U.S. Trade With Puerto Rico and U.S. Possessions* (FT895) and *U.S. International Trade in Goods and Services* (FT900).⁷

Estimates that were not benchmarked to economic census data included housing services, utilities services, and financial services, which were estimated independently. Housing services were estimated using information on the number of occupied housing units and average rental rates reported in the Census of Population and Housing. Utilities services were estimated using revenue data reported by government-owned utilities and by the U.S. Energy Information Administration. Other services not covered by the economic census—such as financial services furnished without payment, insurance, and sales by government—were estimated using data from private trade sources and government financial reports.

Private investment. Private investment consists of spending on new fixed assets—equipment, software,

and structures by private businesses—and improvements to existing assets. It also includes the construction of new residential structures and the improvements to these structures.⁸ Economic census data on businesses' capital expenditures on fixed assets were used to benchmark the estimates of private fixed investment for each territory. Annual growth rates were derived using building permit data, construction industry receipts and wages, and imports of capital goods.

Net exports of goods and services. The estimates of exports of goods to the United States from the four territories reflected data from the Census Bureau's *U.S. Trade With Puerto Rico and U.S. Possessions* (FT895). Estimates of exports of goods from American Samoa, the CNMI, and Guam to the rest of the world were based on information compiled by the territorial governments. Estimates of exports of goods from the U.S. Virgin Islands to the rest of the world were based on data from the Census Bureau's *U.S. International Trade in Goods and Services* (FT900). Estimates of imports of goods for American Samoa, the CNMI, and Guam were based on values or quantities of imported commodities reported by the territorial governments. For the U.S. Virgin Islands, estimates of imports of goods reflected data from the FT895 and FT900.

Information on imports of services and on exports of services other than tourism was limited. Estimates of exports of tourism services for American Samoa was based on visitor arrival data provided by the territorial government and the Federal Aviation Authority. Estimates of exports of tourism services for the CNMI and Guam were based on survey data on tourist expenditures and visitor arrivals provided by the territorial government visitors' authorities. For the U.S. Virgin Islands, the estimate of exports of tourism services was based on expenditures of cruise ship passengers available from the Florida-Caribbean Cruise Association, total visitor expenditures provided by the Virgin Islands Bureau of Economic Research, U.S. Virgin Islands visitor exit survey data, and gross business revenue data for select industries.

Government consumption expenditures and gross investment. The estimates of government expenditures were prepared separately for the territorial government and federal government sectors. The primary sources of information for the territorial government estimates were financial statements of the primary government and of the government component units. The primary data sources for the federal government estimates were the Census Bureau's *Consolidated*

6. A small portion of PCE includes expenses of nonprofit institutions serving households.

7. It was assumed that most goods purchased by consumers were imported.

8. For American Samoa and the U.S. Virgin Islands, private investment also includes inventory investment.

Federal Funds Report and the Federal Procurement Data System.⁹ Information on military pay was provided by the Department of Defense.

Estimates of real GDP. Inflation-adjusted estimates of total GDP and its components were derived within a chain-type Fisher index framework.¹⁰ For most of the detailed components of GDP, inflation-adjusted estimates were calculated by deflating each component using an appropriate price index. Consumer price indexes produced by each territorial government were used to deflate most of the detailed components of PCE. Inflation-adjusted estimates for most components other than PCE were calculated using U.S. prices from the U.S. Bureau of Labor Statistics.

GDP by industry

Current-dollar estimates. The estimates of GDP by industry were prepared for broad industry groups using a methodology that was developed to incorporate data from the Economic Census of Island Areas. Current-dollar value added for most private industries was extrapolated using indicators such as gross business revenues and compensation. For select private industries, data were available to separately extrapolate gross output and intermediate inputs. These industries included the manufacturing sector in American Samoa and the CNMI and the goods-producing sector in the U.S. Virgin Islands. Current-dollar value added for the government sector was prepared separately for the territorial government and the federal government sec-

tors; the primary sources of information were the data sources identified above in “Government consumption expenditures and gross investment.”

Real estimates. Inflation-adjusted estimates of GDP by industry were derived within a chain-type Fisher index framework. For most industry sectors, the statistics on chained-dollar value added were prepared using the single-deflation method. Under this method, current-dollar value added of an industry is divided by a gross output price index.¹¹ For industries for which data were available to separately estimate gross output and intermediate inputs, a double-deflation method was used. Under the double-deflation method, current-dollar gross output and current-dollar intermediate inputs are deflated separately, and real value added is computed as the difference between real gross output and real intermediate inputs. Price indexes and other value and quantity data produced by each territorial government, in addition to U.S. prices, were used in the deflation of value added, gross output, and intermediate inputs.

Compensation of employees. Information on payroll and fringe benefits from the economic census was used to benchmark the estimates of compensation by industry. For American Samoa, the CNMI, and Guam, annual growth rates were based on payroll data from a number of sources, including wage information from the Census Bureau’s *County Business Patterns* and administrative and survey-based wage data provided by the territorial governments. For the U.S. Virgin Islands, wage information from the U.S. Bureau of Labor Statistics *Quarterly Census of Employment and Wages* was used.

9. The *Consolidated Federal Funds Report* was discontinued in 2012, following the publication of the fiscal year 2010 report.

10. For additional information, see J. Steven Landefeld, Brent R. Moulton, and Cindy M. Vojtech, “Chain-Dollar Indexes: Issues, Tips on Their Use, and Upcoming Changes,” *SURVEY OF CURRENT BUSINESS* 83 (November 2003): 8–17.

11. Single deflation approximates the results obtained by double deflation when an industry’s intermediate input prices increase at about the same rate as its output prices.

Table A.1.1. Gross Domestic Product, American Samoa

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	520	563	678	576	574	644	639	638	641
Personal consumption expenditures	383	407	398	402	414	424	446	452	442
Goods.....	195	208	196	197	188	189	213	216	206
Durable goods.....	23	27	24	25	23	23	29	34	30
Nondurable goods.....	171	181	172	172	166	167	184	182	175
Services.....	189	202	207	211	229	242	243	247	245
Net foreign travel.....	-1	-3	-5	-5	-4	-6	-10	-11	-9
Private fixed investment	41	46	38	49	51	53	60	66	62
Change in private inventories	-8	-17	-6	-5	-3	0	5	32	10
Net exports of goods and services	-116	-113	-26	-174	-225	-161	-185	-256	-240
Exports.....	505	641	530	364	335	482	456	423	425
Goods.....	487	621	510	341	313	456	431	397	399
Services.....	17	20	20	22	22	26	25	26	26
Imports.....	621	754	556	537	559	643	641	678	666
Goods.....	571	698	508	489	509	588	586	616	601
Services.....	50	56	49	48	50	55	54	63	64
Government consumption expenditures and gross investment	220	241	275	304	337	329	313	344	367
Federal.....	17	20	30	22	23	22	22	24	24
Territorial.....	203	220	244	281	314	306	291	319	343

NOTE: Detail may not add to total because of rounding.

Acknowledgments

Aya Hamano of the Bureau of Economic Analysis (BEA) and Wali Osman of the Office of Insular Affairs (OIA) oversaw the preparation of the territorial economic accounts for American Samoa, the CNMI, Guam, and the U.S. Virgin Islands.

From BEA, Kevin J. Furlong and Erin M. Ludlow prepared the estimates for all four territories. Brian C. Moyer, Director of BEA, and Brent R. Moulton, former Associate Director for National Economic Accounts, provided overall supervision. Other significant contributors from BEA were Benjamin Kavanaugh, Alyssa E. Holdren, and Andrew J. Pinard.

The Economy-Wide Statistics Division of the U.S. Census Bureau provided data from the Economic Census of Island Areas.

From the U.S. Department of the Interior, Nikolao Pula, Director of OIA, provided support throughout the project. Lydia Faleafine-Nomura of OIA served as liaison between BEA and the American Samoa government.

BEA would also like to thank the governor's offices of the four territories for their contributions. Governor Lolo M. Moliga and Lieutenant Governor Lemanu P. Mauga of American Samoa, Governor Ralph D.L.G. Torres and Lieutenant Governor Victor B. Hocog of the CNMI, Governor Eddie B. Calvo and Lieutenant Governor Ray S. Tenorio of Guam, and Governor Kenneth E. Mapp and Lieutenant Governor Osbert E. Potter of the U.S. Virgin Islands contributed guidance and support throughout the project.

Other key contributors from each territory are listed below.

American Samoa: Keniseli F. Lafaele, Director, Department of Commerce (DOC); Uili Leuanae, Deputy Director, DOC; Vai Filiga, Chief Statistician, DOC; Mine Timoteo, Assistant Chief Statistician, DOC; Alex Zodiacal, Assistant to Administrator/Economic Development Division Manager; Ueligitone Tonumaie'a, Treasurer, Department of Treasury; Richard Jimmerson, Manager, Tax Office, Department of Treasury; Moetulu'i Sipili Fuiava, Chief Customs Officer, Department of Treasury; Catherine Saelua, Director, Budget Office; Alex Sene, Jr., Executive Director, American Samoa Telecommunications Authority; Utu Abe Malae, CEO, American Samoa Power Authority; Taufete'e Faumuina, CEO, LBJ Medical Center; Seth Galea'i, President, American Samoa Community College; Sione Kava, Petroleum Officer, Office of Petroleum Management.

CNMI: Mark O. Rabauliman, Secretary, Department of Commerce (DOC); Alfonis M. Sound, Special Assistant

to Secretary DOC; Justin H. Andrew, Computer Specialist DOC; Vincent P. Sablan, Program Analyst DOC; MaryAnn Q. Lizama, Executive Director, Commonwealth Ports Authority (CPA); Skye L. Aldan, Comptroller CPA; Christopher Concepcion, Managing Director, Marianas Visitors Authority (MVA); Larissa Larson, Secretary, Department of Finance (DOF); Maria White, Disclosure Officer DOF; Lt. Robert Reyes of Customs DOF; Tracy M. Guerrero, Chief Financial Officer, Northern Marianas College (NMC); Rita A. Sablan, Commissioner of Education, Public School System (PSS); George Palican, Finance Director PSS; Violita Diaz and Michelle A. Camacho, Administrative Assistants, Office of the Public Auditor (OPA); Alan Fletcher, Executive Director, Commonwealth Utility Corporation (CUC); Matthew Yaquinto, Chief Financial Officer CUC; Joanne Paraiso, Chief Accountant CUC; Esther Muna, Chief Executive Officer, Commonwealth Healthcare Corporation (CHCC); Cora Pablo, Accountant, Chief Financial Officer CHCC.

Guam: Mark G. Calvo, Chief of Staff, Office of the Governor; William Castro, Director, Bureau of Statistics and Plans; Christine Baletto, Director, Department of Administration; John Camacho, Director, Department of Revenue and Taxation; Jose Calvo, Director, Bureau of Budget and Management Research; Jay Rojas, Administrator, Guam Economic Development Authority; Doris F. Brooks, Public Auditor, Office of the Public Auditor; Jon Nathan Denight, General Manager, Guam Visitors Bureau; Shirley A. Mabini, Ph.D, Director, Department of Labor; Gary Hiles, Chief Economist, Department of Labor; Ana Cid, Research Administrator, Guam Visitors Bureau; and Albert Perez, Chief Economist, Bureau of Statistics and Plans.

U.S. Virgin Islands: Bernadette V.M. Melendez, Director, Virgin Islands Bureau of Economic Research (VIBER); Donnie Dorsett, Senior Policy Analyst, VIBER; Marvin Pickering, Director, Virgin Islands Bureau of Internal Revenue; Tamarah Parson-Small, Chief Counsel, Virgin Islands Bureau of Internal Revenue; Joanna Meyers-Rhymer, Deputy Director of Operations, Virgin Islands Bureau of Internal Revenue; Carlene Prosper, Data Base Administrator, Virgin Islands Bureau of Internal Revenue; Nellon Bowry, Director, Virgin Islands Office of Management and Budget; Valdamier Collens, Commissioner, Virgin Islands Department of Finance; Gary Halyard, Director of Virgin Islands Bureau of Labor Statistics Department of Labor, Sandra Rey, Senior Research Analyst, Virgin Islands Department of Labor.

Table A.1.2. Real Gross Domestic Product, Chained Dollars, American Samoa

[Millions of chained (2009) dollars]

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	727	708	678	681	683	653	632	641	648
Personal consumption expenditures	420	410	398	381	364	357	368	371	369
Goods.....	216	212	196	187	170	165	182	184	177
Durable goods.....	27	27	24	24	21	19	25	28	25
Nondurable goods.....	190	185	172	163	149	146	157	155	151
Services.....	207	202	207	200	198	197	195	197	199
Net foreign travel.....	-3	-4	-5	-6	-4	-6	-9	-9	-7
Private fixed investment	40	45	38	50	52	51	55	59	55
Change in private inventories	-7	-11	-6	-4	-2	0	5	26	10
Net exports of goods and services	52	36	-26	-48	-67	-67	-85	-122	-109
Exports.....	678	675	530	446	394	412	408	424	458
Goods.....	658	654	510	424	372	388	386	401	435
Services.....	20	20	20	22	20	23	22	22	22
Imports.....	626	639	556	494	460	479	494	547	567
Goods.....	575	586	508	450	417	433	448	496	514
Services.....	51	52	49	45	44	47	46	51	53
Government consumption expenditures and gross investment	227	239	275	290	309	297	278	299	320
Federal.....	18	20	30	22	22	21	20	22	22
Territorial.....	209	219	244	268	287	276	258	277	298
Addenda:									
Population (thousands) ¹	64.8	65.1	62.4	55.5	55.9	56.3	56.7	57.1	57.4
Per capita real GDP (chained dollars).....	11,219	10,876	10,865	12,270	12,218	11,599	11,146	11,226	11,289

1. BEA estimates based on data from the American Samoa Department of Commerce and the U.S. Census Bureau.

Table A.1.3. Percent Change From Preceding Year in Real Gross Domestic Product, American Samoa

[Percent]

	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	-2.5	-4.2	0.4	0.3	-4.3	-3.2	1.3	1.1
Personal consumption expenditures	-2.4	-2.9	-4.3	-4.6	-2.0	3.1	0.9	-0.5
Goods.....	-1.9	-7.8	-4.6	-9.3	-2.6	10.3	1.0	-3.9
Durable goods.....	3.0	-12.7	0.9	-14.6	-5.7	26.9	15.5	-11.4
Nondurable goods.....	-2.5	-7.1	-5.4	-8.5	-2.2	8.0	-1.3	-2.5
Services.....	-2.3	2.5	-3.4	-0.9	-0.5	-1.3	1.1	1.4
Net foreign travel.....								
Private fixed investment	13.5	-15.9	30.9	5.2	-2.3	8.0	6.9	-6.2
Change in private inventories								
Net exports of goods and services								
Exports.....	-0.4	-21.4	-15.8	-11.8	4.7	-0.8	3.9	7.9
Goods.....	-0.6	-22.1	-16.8	-12.2	4.1	-0.5	3.9	8.5
Services.....	4.9	-0.2	5.4	-5.8	13.0	-6.0	4.0	-0.6
Imports.....	2.1	-12.9	-11.1	-6.9	4.1	3.0	10.7	3.8
Goods.....	1.9	-13.4	-11.4	-7.4	3.8	3.5	10.7	3.7
Services.....	3.5	-7.3	-8.0	-2.1	7.3	-2.5	11.6	4.4
Government consumption expenditures and gross investment	5.4	15.0	5.6	6.6	-4.1	-6.4	7.7	7.0
Federal.....	12.3	49.5	-28.1	1.4	-5.6	-4.0	10.8	-1.3
Territorial.....	4.8	11.8	9.8	7.0	-4.0	-6.6	7.5	7.7

Table A.1.4. Contributions to Percent Change in Real Gross Domestic Product, American Samoa

	2008	2009	2010	2011	2012	2013	2014	2015
Percent change:								
Gross domestic product	-2.5	-4.2	0.4	0.3	-4.3	-3.2	1.3	1.1
Percentage points:								
Personal consumption expenditures	-1.78	-1.83	-2.84	-3.32	-1.37	2.05	0.67	-0.34
Goods.....	-0.69	-2.56	-1.50	-3.27	-0.81	3.01	0.35	-1.31
Durable goods.....	0.13	-0.54	0.03	-0.66	-0.21	0.94	0.72	-0.61
Nondurable goods.....	-0.82	-2.02	-1.54	-2.61	-0.59	2.07	-0.37	-0.70
Services.....	-0.83	0.81	-1.18	-0.36	-0.19	-0.47	0.42	0.53
Net foreign travel.....	-0.25	-0.08	-0.16	0.30	-0.38	-0.48	-0.10	0.43
Private fixed investment	0.99	-1.14	1.89	0.44	-0.19	0.67	0.66	-0.65
Change in private inventories	-0.98	0.90	0.43	0.35	0.48	0.86	4.10	-2.89
Net exports of goods and services	-2.99	-7.80	-1.70	-0.80	-0.97	-3.50	-7.93	1.13
Exports.....	-0.46	-22.11	-12.25	-7.65	2.96	-0.61	2.67	5.07
Goods.....	-0.62	-22.11	-12.43	-7.42	2.49	-0.37	2.51	5.10
Services.....	0.16	-0.01	0.18	-0.23	0.47	-0.24	0.16	-0.03
Imports.....	-2.53	14.31	10.55	6.86	-3.93	-2.89	-10.60	-3.94
Goods.....	-2.19	13.69	9.88	6.67	-3.33	-3.10	-9.58	-3.50
Services.....	-0.33	0.62	0.66	0.18	-0.60	0.21	-1.01	-0.44
Government consumption expenditures and gross investment	2.21	5.67	2.58	3.58	-2.27	-3.26	3.84	3.81
Federal.....	0.40	1.58	-1.40	0.06	-0.21	-0.14	0.37	-0.05
Territorial.....	1.81	4.09	3.98	3.52	-2.06	-3.13	3.47	3.86

Table A.1.5. Percent Change From Preceding Year in Prices for Gross Domestic Product, American Samoa

[Percent]

	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	11.1	25.7	-15.4	-0.6	17.3	2.4	-1.5	-0.6
Personal consumption expenditures	8.9	0.8	5.4	7.8	4.7	2.0	0.4	-1.9

Table A.2.1. Value Added by Industry, American Samoa

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	520	563	678	576	574	644	639	638
Private industries	365	404	514	389	389	450	449	450
Manufacturing.....	77	112	163	41	21	89	93	76
Nonmanufacturing.....	288	291	351	348	368	361	356	374
Government	156	160	165	187	185	195	190	188
Federal.....	14	16	18	18	17	17	18	18
Territorial.....	142	144	146	169	168	177	172	170

NOTE: Detail may not add to total because of rounding.

Table A.2.2. Real Value Added by Industry, American Samoa

[Millions of chained (2009) dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	727	708	678	681	683	653	632	641
Private industries	568	544	514	501	514	474	462	478
Manufacturing.....	204	205	163	143	132	138	135	139
Nonmanufacturing.....	366	345	351	353	365	331	322	334
Government	163	166	165	177	170	176	168	162
Federal.....	14	17	18	17	16	16	17	16
Territorial.....	148	149	146	160	154	160	151	146

Table A.2.3. Percent Changes in Real Value Added by Industry, American Samoa

[Percent]

	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	-2.5	-4.2	0.4	0.3	-4.3	-3.2	1.3
Private industries	-4.2	-5.5	-2.4	2.5	-7.7	-2.6	3.6
Manufacturing.....	0.4	-20.3	-12.3	-7.9	4.9	-2.0	2.7
Nonmanufacturing.....	-5.7	1.7	0.7	3.4	-9.3	-2.8	3.8
Government	1.7	-0.6	7.8	-4.2	3.4	-4.4	-3.7
Federal.....	14.7	10.7	-7.6	-4.4	-0.8	4.3	-5.0
Territorial.....	0.4	-1.8	9.7	-4.1	3.8	-5.3	-3.6

Table A.2.4. Contributions to Percent Change in Real Gross Domestic Product by Industry, American Samoa

	2008	2009	2010	2011	2012	2013	2014
Percent change:							
Gross domestic product	-2.5	-4.2	0.4	0.3	-4.3	-3.2	1.3
Percentage points:							
Private industries	-3.03	-4.14	-1.81	1.64	-5.34	-1.85	2.47
Manufacturing.....	0.07	-4.98	-2.21	-0.47	0.40	-0.29	0.35
Nonmanufacturing.....	-3.10	0.84	0.40	2.11	-5.74	-1.56	2.12
Government	0.48	-0.14	2.14	-1.38	1.02	-1.34	-1.14
Federal.....	0.38	0.28	-0.23	-0.14	-0.02	0.11	-0.14
Territorial.....	0.11	-0.42	2.37	-1.24	1.04	-1.45	-1.00

NOTE: Percentage-point contributions do not sum to the percent change in real gross domestic product because of rounding and differences in source data used to estimate GDP by industry and the expenditures measure of real GDP.

Table A.2.5. Compensation of Employees by Industry, American Samoa

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Total compensation	265	274	271	270	262	272	279	297
Private industries	125	131	125	97	97	103	107	120
Manufacturing.....	52	59	53	31	27	40	39	44
Nonmanufacturing.....	73	72	71	66	70	63	68	76
Government	140	143	147	173	164	169	171	178
Federal.....	13	16	18	17	17	17	17	17
Territorial.....	127	127	129	156	148	152	154	161

NOTE: Detail may not add to total because of rounding.

Table B.1.1. Gross Domestic Product, Commonwealth of the Northern Mariana Islands

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	938	939	795	799	733	751	780	836	922
Personal consumption expenditures	480	504	431	442	451	469	486	539	545
Goods.....	358	387	332	354	366	399	438	470	476
Durable goods.....	137	142	119	130	132	143	166	186	194
Nondurable goods.....	222	245	213	224	234	256	272	284	282
Services.....	409	427	381	398	378	427	459	510	521
Net foreign travel.....	-287	-310	-283	-309	-293	-357	-411	-441	-453
Private fixed investment	79	83	85	77	74	79	90	142	227
Net exports of goods and services	47	29	-47	-70	-132	-98	-109	-159	-197
Exports.....	627	488	312	335	317	380	435	463	474
Goods.....	333	172	23	19	17	16	17	15	14
Services.....	293	316	289	316	300	364	418	448	460
Imports.....	579	459	360	405	449	478	544	622	671
Goods.....	498	394	307	346	384	409	467	534	556
Services.....	81	66	53	59	65	69	77	87	116
Government consumption expenditures and gross investment	332	324	327	349	340	301	312	314	347
Federal.....	13	15	20	22	22	21	20	22	29
Territorial.....	319	308	306	327	318	279	292	292	318 ^p

(p) The fiscal year 2015 CNMI government-wide audited financial statements were not available in time for incorporation into the estimates of GDP. Preliminary estimates of central government spending reflect information on the CNMI governments fiscal year budgets and on federal grant awards.

NOTE: Detail may not add to total because of rounding.

Table B.1.2. Real Gross Domestic Product, Chained Dollars, Commonwealth of the Northern Mariana Islands

[Millions of chained (2009) dollars]

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	1,084	964	795	806	744	748	765	787	814
Personal consumption expenditures	516	509	431	444	430	440	457	502	512
Goods.....	395	400	332	349	338	363	402	424	440
Durable goods.....	149	149	119	127	121	131	155	173	188
Nondurable goods.....	246	251	213	222	217	232	247	252	253
Services.....	434	433	381	389	354	390	414	444	455
Net foreign travel.....	-313	-324	-283	-294	-263	-313	-356	-365	-381
Private fixed investment	80	82	85	78	72	76	87	138	223
Net exports of goods and services	147	48	-47	-56	-82	-52	-61	-116	-200
Exports.....	747	476	312	320	284	333	377	385	399
Goods.....	396	138	23	19	15	14	15	13	12
Services.....	320	331	289	300	269	319	362	371	387
Imports.....	600	428	360	376	367	384	438	501	599
Goods.....	511	361	307	320	308	323	368	423	496
Services.....	88	67	53	56	59	61	70	79	104
Government consumption expenditures and gross investment	348	326	327	341	327	286	289	281	309
Federal.....	13	16	20	21	21	20	19	20	26
Territorial.....	335	310	306	320	307	265	270	261	283 ^p
Addenda:									
Population (thousands) ¹	59.3	57.6	55.5	53.5	52.2	51.4	51.2	51.5	52.3
Per capita real GDP (chained dollars).....	18,280	16,736	14,324	15,065	14,253	14,553	14,941	15,282	15,564

(p) The fiscal year 2015 CNMI government-wide audited financial statements were not available in time for incorporation into the estimates of GDP. Preliminary estimates of central government spending reflect information on the CNMI governments fiscal year budgets and on federal grant awards.

1. Source: U.S. Census Bureau

Table B.1.3. Percent Change From Preceding Year in Real Gross Domestic Product, Commonwealth of the Northern Mariana Islands

[Percent]

	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	-11.1	-17.5	1.3	-7.7	0.6	2.3	2.8	3.5
Personal consumption expenditures	-1.4	-15.4	3.0	-3.2	2.4	3.9	9.9	1.9
Goods.....	1.3	-17.1	5.1	-3.0	7.4	10.7	5.5	3.7
Durable goods.....	0.2	-20.2	6.7	-5.0	8.5	18.1	11.7	8.5
Nondurable goods.....	2.0	-15.3	4.1	-1.9	6.8	6.6	1.8	0.5
Services.....	-0.3	-11.9	2.0	-9.1	10.4	6.0	7.5	2.3
Net foreign travel.....								
Private fixed investment	2.1	4.4	-8.9	-6.9	5.6	14.4	57.5	61.8
Net exports of goods and services								
Exports.....	-36.3	-34.4	2.4	-11.1	17.1	13.3	2.0	3.8
Goods.....	-65.2	-83.4	-16.7	-20.8	-8.6	6.9	-11.7	-9.0
Services.....	3.4	-12.5	3.8	-10.5	18.5	13.6	2.6	4.2
Imports.....	-28.6	-16.0	4.5	-2.5	4.8	13.9	14.5	19.6
Goods.....	-29.3	-15.0	4.3	-3.8	5.0	14.0	14.7	17.4
Services.....	-24.3	-21.2	6.0	5.7	3.8	13.7	13.0	32.3
Government consumption expenditures and gross investment	-6.4	0.2	4.4	-4.0	-12.8	1.1	-2.7	10.0
Federal.....	19.2	30.7	4.4	-3.6	-2.5	-6.5	7.3	28.5
Territorial.....	-7.4	-1.3	4.4	-4.0	-13.5	1.7	-3.3	8.6 ^p

(p) The fiscal year 2015 CNMI government-wide audited financial statements were not available in time for incorporation into the estimates of GDP. Preliminary estimates of central government spending reflect information on the CNMI governments fiscal year budgets and on federal grant awards.

Table B.1.4. Contributions to Percent Change in Real Gross Domestic Product, Commonwealth of the Northern Mariana Islands

	2008	2009	2010	2011	2012	2013	2014	2015
Percent change:								
Gross domestic product.....	-11.1	-17.5	1.3	-7.7	0.6	2.3	2.8	3.5
Percentage points:								
Personal consumption expenditures	-0.68	-8.36	1.65	-1.80	1.47	2.43	6.06	1.18
Goods.....	0.48	-7.20	2.14	-1.39	3.69	5.62	3.07	1.98
Durable goods.....	0.03	-3.14	1.02	-0.84	1.52	3.40	2.46	1.81
Nondurable goods.....	0.45	-4.06	1.12	-0.55	2.17	2.21	0.61	0.17
Services.....	-0.13	-5.45	0.99	-4.67	5.37	3.39	4.37	1.36
Net foreign travel.....	-1.02	4.28	-1.47	4.25	-7.60	-6.57	-1.38	-2.16
Private fixed investment.....	0.17	0.38	-0.96	-0.67	0.56	1.51	6.54	10.15
Net exports of goods and services.....	-8.43	-9.64	-1.19	-3.46	4.44	-2.07	-8.74	-11.51
Exports.....	-25.55	-17.22	0.95	-4.80	7.39	6.71	1.14	2.01
Goods.....	-26.56	-12.91	-0.49	-0.53	-0.20	0.14	-0.25	-0.16
Services.....	1.01	-4.31	1.44	-4.27	7.58	6.57	1.38	2.17
Imports.....	17.13	7.58	-2.14	1.35	-2.95	-8.78	-9.88	-13.52
Goods.....	15.13	6.08	-1.74	1.78	-2.62	-7.54	-8.62	-10.24
Services.....	2.00	1.50	-0.41	-0.43	-0.33	-1.24	-1.26	-3.28
Government consumption expenditures and gross investment	-2.12	0.08	1.82	-1.75	-5.92	0.45	-1.06	3.67
Federal.....	0.24	0.51	0.11	-0.10	-0.07	-0.19	0.19	0.74
Territorial.....	-2.36	-0.43	1.71	-1.65	-5.84	0.63	-1.25	2.93 ^p

(p) The fiscal year 2015 CNMI government-wide audited financial statements were not available in time for incorporation into the estimates of GDP. Preliminary estimates of central government spending reflect information on the CNMI governments fiscal year budgets and on federal grant awards.

Table B.1.5. Percent Change From Preceding Year in Prices for Gross Domestic Product, Commonwealth of the Northern Mariana Islands

[Percent]

	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product.....	12.5	2.7	-0.8	-0.7	1.9	1.5	4.3	6.6
Personal consumption expenditures	6.3	1.1	-0.4	5.3	1.6	-0.4	0.9	-0.8 ^p

(p) The 2015 CNMI Consumer Price Index was not available in time for incorporation into the estimates of GDP. The preliminary PCE price index for 2015 reflects trends in the Guam Consumer Price Index.

Table B.2.1. Value Added by Industry, Commonwealth of the Northern Mariana Islands

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product.....	938	939	795	799	733	751	780	836
Private industries.....	717	727	586	589	540	563	581	632
Manufacturing.....	174	50	18	16	15	12	11	15
Distributive services.....	140	165	135	149	153	157	170	178
Accommodations and amusement.....	111	122	105	110	97	114	133	147
All other.....	291	390	328	314	274	280	268	292
Government.....	222	212	209	210	193	188	199	204
Federal.....	13	14	16	14	15	15	15	14
Territorial.....	209	197	193	196	178	173	184	189

NOTE: Detail may not add to total because of rounding.

Table B.2.2. Real Value Added by Industry, Commonwealth of the Northern Mariana Islands

[Millions of chained (2009) dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product.....	1,084	964	795	806	744	748	765	787
Private industries.....	846	745	586	601	560	573	584	606
Manufacturing.....	181	52	18	16	15	11	10	13
Distributive services.....	147	169	135	147	148	148	158	165
Accommodations and amusement.....	120	128	105	110	98	110	125	135
All other.....	391	396	328	328	298	303	287	288
Government.....	237	219	209	204	184	176	182	182
Federal.....	13	15	16	14	14	14	13	13
Territorial.....	224	205	193	191	170	163	169	169

Table B.2.3. Percent Changes in Real Value Added by Industry, Commonwealth of the Northern Mariana Islands

[Percent]

	2008	2009	2010	2011	2012	2013	2014
Gross domestic product.....	-11.1	-17.5	1.3	-7.7	0.6	2.3	2.8
Private industries.....	-12.0	-21.3	2.6	-6.9	2.3	2.0	3.7
Manufacturing.....	-71.4	-65.4	-10.5	-7.8	-27.3	-6.5	32.4
Distributive services.....	15.1	-20.4	9.3	0.8	-0.3	7.1	3.9
Accommodations and amusement.....	6.9	-17.8	4.2	-11.0	13.0	13.5	8.2
All other.....	1.2	-17.1	0.1	-9.1	1.6	-5.2	0.4
Government.....	-7.5	-4.6	-2.3	-9.9	-4.3	3.2	0.0
Federal.....	10.0	9.9	-15.1	1.5	-2.4	-2.2	-3.6
Territorial.....	-8.6	-5.6	-1.2	-10.8	-4.5	3.7	0.3

Table B.2.4. Contributions to Percent Change in Real Gross Domestic Product by Industry, Commonwealth of the Northern Mariana Islands

	2008	2009	2010	2011	2012	2013	2014
Percent change:							
Gross domestic product	-11.1	-17.5	1.3	-7.7	0.6	2.3	2.8
Percentage points:							
Private industries	-9.27	-16.49	1.94	-5.05	1.68	1.50	2.79
Manufacturing.....	-12.60	-3.50	-0.24	-0.16	-0.58	-0.10	0.45
Distributive services.....	2.16	-3.58	1.58	0.16	-0.06	1.48	0.83
Accommodations and amusement.....	0.78	-2.34	0.55	-1.52	1.74	2.06	1.38
All other.....	0.39	-7.07	0.04	-3.53	0.58	-1.94	0.13
Government	-1.71	-1.04	-0.61	-2.65	-1.13	0.82	0.00
Federal.....	0.13	0.15	-0.32	0.03	-0.05	-0.04	-0.07
Territorial.....	-1.84	-1.19	-0.30	-2.68	-1.08	0.86	0.06

NOTE: Percentage-point contributions do not sum to the percent change in real gross domestic product because of rounding and differences in source data used to estimate GDP by industry and the expenditures measure of real GDP.

Table B.2.5. Compensation of Employees by Industry, Commonwealth of the Northern Mariana Islands

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Total compensation	533	501	455	456	431	415	433	470
Private industries	336	307	263	264	259	252	267	298
Manufacturing.....	74	26	9	8	8	8	7	10
Distributive services.....	62	72	58	62	62	63	67	71
Accommodations and amusement.....	61	67	58	60	54	64	74	83
All other.....	140	142	137	134	135	119	117	135
Government	197	194	192	191	172	163	166	172
Federal.....	13	14	16	14	14	14	14	14
Territorial.....	184	180	176	177	158	149	152	158

NOTE: Detail may not add to total because of rounding.

Table C.1.1. Gross Domestic Product, Guam

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	4,375	4,621	4,781	4,895	4,928	5,199	5,364	5,566	5,734
Personal consumption expenditures	2,536	2,753	2,813	2,816	2,905	3,153	3,156	3,236	3,240
Goods.....	1,414	1,512	1,448	1,462	1,564	1,765	1,700	1,710	1,669
Durable goods.....	518	542	520	523	564	635	601	594	586
Nondurable goods.....	897	970	928	939	1,001	1,130	1,099	1,116	1,083
Services.....	2,007	2,076	2,100	2,123	2,131	2,279	2,327	2,459	2,542
Net foreign travel.....	-885	-835	-735	-769	-790	-892	-871	-932	-971
Private fixed investment	921	1,057	1,081	1,057	1,027	1,044	1,254	1,357	1,301
Net exports of goods and services	-1,483	-1,699	-1,801	-1,873	-2,021	-2,033	-2,164	-2,292	-2,102
Exports.....	1,005	973	838	846	928	1,004	1,053	1,050	1,050
Goods.....	115	133	98	73	133	107	177	112	73
Services.....	890	840	740	774	795	897	876	938	977
Imports.....	2,489	2,673	2,639	2,719	2,949	3,037	3,218	3,342	3,152
Goods.....	2,018	2,115	2,051	2,098	2,289	2,395	2,518	2,598	2,404
Services.....	470	558	588	621	661	642	699	744	749
Government consumption expenditures and gross investment	2,402	2,510	2,688	2,894	3,017	3,035	3,118	3,265	3,295
Federal.....	1,491	1,597	1,738	1,854	1,895	1,898	1,888	1,968	2,008
Territorial.....	911	913	950	1,039	1,121	1,138	1,230	1,296	1,288

NOTE: Detail may not add to total because of rounding.

Table C.1.2. Real Gross Domestic Product, Chained Dollars, Guam

[Millions of chained (2009) dollars]

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	4,685	4,766	4,781	4,881	4,887	4,986	5,079	5,143	5,166
Personal consumption expenditures	2,725	2,794	2,813	2,782	2,823	2,925	2,926	2,974	3,005
Goods.....	1,507	1,520	1,448	1,477	1,551	1,686	1,639	1,638	1,630
Durable goods.....	553	538	520	529	575	631	610	609	617
Nondurable goods.....	954	983	928	948	976	1,056	1,029	1,030	1,015
Services.....	2,154	2,121	2,100	2,068	2,040	2,084	2,117	2,201	2,267
Net foreign travel.....	-937	-849	-735	-763	-766	-840	-827	-866	-894
Private fixed investment	921	1,038	1,081	1,062	1,015	1,015	1,205	1,287	1,242
Net exports of goods and services	-1,448	-1,581	-1,801	-1,808	-1,845	-1,829	-1,948	-2,067	-2,035
Exports.....	1,061	977	838	837	892	938	993	971	965
Goods.....	120	124	98	70	118	93	156	99	66
Services.....	942	853	740	767	771	845	832	871	899
Imports.....	2,509	2,558	2,639	2,646	2,737	2,767	2,941	3,038	3,001
Goods.....	2,031	2,008	2,051	2,024	2,090	2,149	2,279	2,345	2,302
Services.....	477	550	588	623	648	616	660	691	697
Government consumption expenditures and gross investment	2,490	2,513	2,688	2,844	2,895	2,874	2,904	2,960	2,963
Federal.....	1,528	1,587	1,738	1,818	1,817	1,791	1,769	1,810	1,834
Territorial.....	964	926	950	1,025	1,078	1,083	1,135	1,150	1,130
Addenda:									
Population (thousands) ¹	158.0	158.4	158.9	159.4	159.5	159.8	160.3	160.9	161.7
Per capita real GDP (chained dollars).....	29,652	30,088	30,088	30,621	30,639	31,202	31,684	31,964	31,948

1. Source: U.S. Census Bureau

Table C.1.3. Percent Change From Preceding Year in Real Gross Domestic Product, Guam

	[Percent]							
	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	1.7	0.3	2.1	0.1	2.0	1.9	1.3	0.4
Personal consumption expenditures	2.5	0.7	-1.1	1.5	3.6	0.0	1.6	1.1
Goods.....	0.9	-4.8	2.0	5.0	8.7	-2.8	0.0	-0.5
Durable goods.....	-2.8	-3.3	1.7	8.8	9.7	-3.3	-0.2	1.3
Nondurable goods.....	3.0	-5.6	2.2	3.0	8.2	-2.5	0.0	-1.5
Services.....	-1.5	-1.0	-1.5	-1.4	2.1	1.6	4.0	3.0
Net foreign travel.....								
Private fixed investment	12.8	4.1	-1.7	-4.4	0.0	18.8	6.8	-3.5
Net exports of goods and services								
Exports.....	-7.9	-14.2	-0.1	6.5	5.2	5.8	-2.2	-0.6
Goods.....	3.1	-20.8	-28.2	68.1	-21.3	67.5	-36.3	-33.3
Services.....	-9.4	-13.3	3.7	0.4	9.6	-1.5	4.6	3.3
Imports.....	2.0	3.1	0.3	3.4	1.1	6.3	3.3	-1.2
Goods.....	-1.1	2.2	-1.3	3.3	2.9	6.0	2.9	-1.8
Services.....	15.3	6.8	5.9	4.3	-5.0	7.1	4.8	0.9
Government consumption expenditures and gross investment	0.9	6.9	5.8	1.8	-0.7	1.1	1.9	0.1
Federal.....	3.9	9.5	4.6	-0.1	-1.4	-1.2	2.3	1.3
Territorial.....	-3.9	2.6	7.9	5.1	0.5	4.8	1.3	-1.7

Table C.1.4. Contributions to Percent Change in Real Gross Domestic Product, Guam

	2008	2009	2010	2011	2012	2013	2014	2015
Percent change:								
Gross domestic product	1.7	0.3	2.1	0.1	2.0	1.9	1.3	0.4
Percentage points:								
Personal consumption expenditures	1.49	0.41	-0.65	0.84	2.15	0.01	0.96	0.60
Goods.....	0.28	-1.54	0.60	1.50	2.78	-0.94	-0.01	-0.16
Durable goods.....	-0.34	-0.38	0.18	0.93	1.10	-0.40	-0.02	0.13
Nondurable goods.....	0.62	-1.16	0.42	0.57	1.67	-0.55	0.01	-0.29
Services.....	-0.71	-0.44	-0.68	-0.59	0.92	0.70	1.72	1.30
Net foreign travel.....	1.91	2.39	-0.57	-0.07	-1.55	0.26	-0.75	-0.55
Private fixed investment	2.67	0.92	-0.39	-0.96	-0.01	3.77	1.58	-0.83
Net exports of goods and services	-2.94	-4.71	-0.16	-0.82	0.32	-2.53	-2.39	0.60
Exports.....	-1.82	-2.96	-0.02	1.13	0.98	1.11	-0.43	-0.11
Goods.....	0.09	-0.56	-0.59	1.06	-0.57	1.37	-1.18	-0.66
Services.....	-1.91	-2.39	0.57	0.07	1.55	-0.26	0.75	0.55
Imports.....	-1.12	-1.76	-0.14	-1.96	-0.66	-3.64	-1.96	0.71
Goods.....	0.52	-0.95	0.59	-1.43	-1.32	-2.76	-1.34	0.83
Services.....	-1.64	-0.81	-0.73	-0.53	0.66	-0.88	-0.62	-0.12
Government consumption expenditures and gross investment	0.50	3.72	3.28	1.08	-0.44	0.62	1.11	0.08
Federal.....	1.32	3.21	1.70	-0.02	-0.54	-0.45	0.81	0.47
Territorial.....	-0.82	0.51	1.58	1.10	0.10	1.07	0.30	-0.39

Table C.1.5. Percent Change From Preceding Year in Prices for Gross Domestic Product, Guam

	[Percent]							
	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	3.8	3.1	0.3	0.5	3.4	1.3	2.5	2.6
Personal consumption expenditures	5.9	1.5	1.2	1.7	4.7	0.1	0.9	-0.9

Table C.2.1. Value Added by Industry, Guam

	[Millions of dollars]							
	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	4,375	4,621	4,781	4,895	4,928	5,199	5,364	5,566
Private industries	2,654	2,827	2,872	2,875	2,847	3,117	3,232	3,346
Construction.....	291	343	360	394	367	398	448	473
Distributive services.....	436	469	464	495	513	551	549	574
Accommodations and amusement.....	406	422	429	452	462	487	527	594
Other private.....	1,520	1,593	1,619	1,534	1,505	1,681	1,707	1,704
Government	1,721	1,795	1,910	2,020	2,081	2,082	2,132	2,220
Federal.....	1,008	1,071	1,157	1,217	1,253	1,249	1,248	1,273
Territorial.....	713	724	752	802	828	833	884	947

NOTE. Detail may not add to total because of rounding.

Table C.2.2. Real Value Added by Industry, Guam

	[Millions of chained (2009) dollars]							
	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	4,685	4,766	4,781	4,881	4,887	4,986	5,079	5,143
Private industries	2,876	2,929	2,872	2,906	2,879	2,998	3,074	3,120
Construction.....	304	360	360	402	369	391	428	437
Distributive services.....	470	502	464	488	495	519	507	525
Accommodations and amusement.....	437	445	429	459	478	491	534	559
Other private.....	1,667	1,622	1,619	1,557	1,537	1,595	1,607	1,601
Government	1,809	1,837	1,910	1,974	2,006	1,988	2,006	2,024
Federal.....	1,033	1,070	1,157	1,185	1,199	1,181	1,179	1,184
Territorial.....	779	769	752	790	807	808	827	840

Table C.2.3. Percent Changes in Real Value Added by Industry, Guam

[Percent]

	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	1.7	0.3	2.1	0.1	2.0	1.9	1.3
Private industries	1.8	-1.9	1.2	-0.9	4.1	2.5	1.5
Construction	18.4	0.0	11.6	-8.0	5.9	9.4	2.1
Distributive services	7.0	-7.7	5.3	1.4	4.8	-2.2	3.5
Accommodations and amusement.....	1.9	-3.6	7.1	4.1	2.9	8.6	4.8
Other private	-2.7	-0.2	-3.8	-1.3	3.8	0.7	-0.4
Government	1.5	3.9	3.4	1.6	-0.9	0.9	0.9
Federal	3.6	8.2	2.3	1.2	-1.5	-0.1	0.4
Territorial	-1.4	-2.1	5.0	2.2	0.1	2.4	1.6

Table C.2.4. Contributions to Percent Change in Real Gross Domestic Product by Industry, Guam

	2008	2009	2010	2011	2012	2013	2014
Percent change:							
Gross domestic product	1.7	0.3	2.1	0.1	2.0	1.9	1.3
Percentage points:							
Private industries	1.11	-1.19	0.72	-0.54	2.39	1.52	0.90
Construction	1.20	0.00	0.86	-0.65	0.44	0.73	0.18
Distributive services	0.69	-0.80	0.52	0.15	0.49	-0.24	0.36
Accommodations and amusement.....	0.17	-0.34	0.63	0.37	0.27	0.80	0.49
Other private	-0.94	-0.06	-1.29	-0.41	1.19	0.23	-0.12
Government	0.60	1.53	1.37	0.67	-0.37	0.35	0.35
Federal	0.83	1.86	0.58	0.30	-0.38	-0.03	0.09
Territorial	-0.22	-0.34	0.79	0.36	0.01	0.38	0.26

NOTE: Percentage-point contributions do not sum to the percent change in real gross domestic product because of rounding and differences in source data used to estimate GDP by industry and the expenditures measure of real GDP.

Table C.2.5. Compensation of Employees by Industry, Guam

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Total compensation	2,453	2,588	2,715	2,861	2,907	2,950	3,011	3,135
Private industries	1,224	1,299	1,348	1,407	1,397	1,446	1,480	1,549
Construction	135	155	171	192	183	186	214	228
Distributive services	245	260	255	270	278	298	296	310
Accommodations and amusement.....	203	212	217	227	231	243	257	273
Other private	641	671	704	718	706	719	713	737
Government	1,228	1,289	1,367	1,455	1,510	1,504	1,531	1,586
Federal	647	695	746	802	835	829	825	848
Territorial	582	594	621	653	676	675	706	738

NOTE: Detail may not add to total because of rounding.

Table D.1.1. Gross Domestic Product, U.S. Virgin Islands

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	4,803	4,250	4,203	4,339	4,239	4,095	3,764	3,624	3,765
Personal consumption expenditures	2,280	2,311	2,368	2,428	2,524	2,528	2,526	2,521	2,586
Goods.....	1,319	1,262	1,215	1,205	1,233	1,206	1,199	1,202	1,203
Durable goods.....	822	741	688	664	678	666	717	728	717
Nondurable goods.....	497	520	527	541	556	540	482	474	486
Foods, feeds, and beverages.....	258	264	277	288	305	322	319	323	332
Other nondurable goods.....	239	257	250	253	251	219	163	150	154
Services.....	2,075	2,184	2,156	2,233	2,323	2,402	2,444	2,471	2,579
Housing and utilities.....	587	632	653	655	710	745	785	785	820
Health care.....	189	216	231	243	268	288	294	296	314
Food services and accommodations.....	515	538	507	542	551	568	585	616	661
Other services.....	784	797	764	792	793	801	781	774	785
Net foreign travel.....	-1,114	-1,135	-1,004	-1,011	-1,032	-1,080	-1,117	-1,151	-1,195
Private fixed investment	529	476	393	380	363	263	274	286	288
Change in private inventories	-540	180	210	-267	104	114	149	-6	-121
Net exports of goods and services	1,532	240	123	580	100	163	-231	-229	-21
Exports.....	14,141	18,412	10,717	12,945	14,371	3,278	2,525	2,784	1,532
Goods.....	13,002	17,255	9,696	11,922	13,329	2,186	1,395	1,623	329
Services.....	1,139	1,157	1,021	1,023	1,043	1,091	1,130	1,161	1,203
Imports.....	12,608	18,172	10,595	12,365	14,271	3,114	2,756	3,014	1,553
Goods.....	12,251	17,861	10,310	12,067	13,943	2,932	2,570	2,825	1,365
Services.....	357	311	285	298	329	182	185	189	189
Government consumption expenditures and gross investment	1,002	1,043	1,110	1,219	1,148	1,027	1,046	1,052	1,033
Federal.....	117	121	136	176	167	162	161	142	151
Territorial.....	885	922	974	1,043	981	865	885	910	882

NOTE: Detail may not add to total because of rounding.

Table D.1.2. Real Gross Domestic Product, Chained Dollars, U.S. Virgin Islands

[Millions of chained (2009) dollars]

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	4,460	4,502	4,203	4,241	3,895	3,310	3,118	3,088	3,094
Personal consumption expenditures	2,417	2,313	2,368	2,396	2,375	2,297	2,240	2,227	2,256
Goods.....	1,430	1,269	1,215	1,183	1,138	1,080	1,073	1,089	1,107
Durable goods.....	898	756	688	659	633	613	663	694	700
Nondurable goods.....	534	514	527	524	504	467	414	401	412
Foods, feeds, and beverages.....	277	267	277	287	293	291	279	275	270
Other nondurable goods.....	257	247	250	237	213	180	140	131	148
Services.....	2,184	2,195	2,156	2,205	2,220	2,224	2,198	2,201	2,247
Housing and utilities.....	646	625	653	647	652	641	637	642	647
Health care.....	200	222	231	240	262	279	282	282	298
Food services and accommodations.....	530	543	507	535	531	532	537	551	575
Other services.....	808	805	764	783	775	774	743	725	726
Net foreign travel.....	-1,197	-1,153	-1,004	-992	-982	-1,005	-1,031	-1,064	-1,099
Private fixed investment	540	475	393	379	356	253	261	267	268
Change in private inventories	-435	111	210	-207	59	62	82	-4	-148
Net exports of goods and services	920	498	123	511	67	-2	-114	-18	53
Exports.....	11,731	11,903	10,717	10,278	8,559	1,849	1,547	1,816	1,170
Goods.....	10,538	10,738	9,696	9,277	7,617	1,170	861	1,116	329
Services.....	1,222	1,173	1,021	1,004	992	1,015	1,042	1,073	1,106
Imports.....	10,811	11,405	10,595	9,768	8,492	1,851	1,661	1,834	1,117
Goods.....	10,469	11,106	10,310	9,482	8,226	1,728	1,539	1,712	992
Services.....	361	297	285	288	273	151	151	150	150
Government consumption expenditures and gross investment	1,048	1,057	1,110	1,168	1,098	998	984	959	932
Federal.....	121	122	136	170	155	150	147	127	133
Territorial.....	927	935	974	998	943	848	832	832	799
Addenda:									
Population (thousands) ¹	114.7	115.9	107.3	106.4	105.9	105.4	104.9	104.3	103.7
Per capita real GDP (chained dollars).....	38,884	38,844	39,171	39,859	36,780	31,404	29,724	29,607	29,836

1. BEA estimates based on data from the U.S. Virgin Islands Bureau of Economic Research and the U.S. Census Bureau.

Table D.1.3. Percent Change From Preceding Year in Real Gross Domestic Product, U.S. Virgin Islands

[Percent]

	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	0.9	-6.6	0.9	-8.2	-15.0	-5.8	-1.0	0.2
Personal consumption expenditures	-4.3	2.4	1.2	-0.9	-3.3	-2.5	-0.6	1.3
Goods.....	-11.2	-4.2	-2.6	-3.9	-5.1	-0.6	1.5	1.6
Durable goods.....	-15.7	-9.0	-4.3	-3.9	-3.1	8.1	4.7	0.9
Nondurable goods.....	-3.8	2.6	-0.6	-3.8	-7.4	-11.2	-3.2	2.8
Foods, feeds, and beverages.....	-3.8	3.9	3.6	1.9	-0.6	-4.0	-1.6	-1.8
Other nondurable goods.....	-3.8	1.2	-5.0	-10.1	-15.9	-22.3	-6.3	13.6
Services.....	0.5	-1.8	2.3	0.7	0.2	-1.2	0.1	2.1
Housing and utilities.....	-3.3	4.5	-1.0	0.8	-1.7	-0.7	0.8	0.8
Health care.....	10.9	4.4	3.8	9.1	6.4	1.2	0.1	5.6
Food services and accommodations.....	2.4	-6.5	5.5	-0.8	0.2	0.8	2.6	4.4
Other services.....	-0.3	-5.2	2.5	-1.0	-0.2	-3.9	-2.5	0.2
Net foreign travel.....								
Private fixed investment	-12.1	-17.4	-3.5	-6.1	-28.8	3.0	2.2	0.5
Change in private inventories								
Net exports of goods and services								
Exports.....	1.5	-10.0	-4.1	-16.7	-78.4	-16.3	17.4	-35.6
Goods.....	1.9	-9.7	-4.3	-17.9	-84.6	-26.5	29.6	-70.6
Services.....	-4.0	-13.0	-1.6	-1.3	2.4	2.7	2.9	3.1
Imports.....	5.5	-7.1	-7.8	-13.1	-78.2	-10.2	10.4	-39.1
Goods.....	6.1	-7.2	-8.0	-13.2	-79.0	-10.9	11.3	-42.0
Services.....	-17.6	-4.0	0.9	-5.2	-44.8	0.3	-0.9	0.2
Government consumption expenditures and gross investment	0.8	5.1	5.1	-5.9	-9.1	-1.4	-2.5	-2.9
Federal.....	1.0	11.7	24.8	-8.6	-3.8	-2.0	-13.2	4.5
Territorial.....	0.8	4.2	2.4	-5.5	-10.1	-1.3	-0.6	-4.0
Addendum:								
GDP less petroleum exports, imports, and change in private inventories.....	4.1	-6.4	0.3	-4.3	1.8	0.0	-1.5	0.6

Table D.1.4. Contributions to Percent Change in Real Gross Domestic Product, U.S. Virgin Islands

	2008	2009	2010	2011	2012	2013	2014	2015
Percent change:								
Gross domestic product	0.9	-6.6	0.9	-8.2	-15.0	-5.8	-1.0	0.2
Percentage points:								
Personal consumption expenditures	-2.28	1.26	0.68	-0.48	-1.80	-1.58	-0.39	0.91
Goods.....	-3.45	-1.22	-0.76	-1.06	-1.36	-0.18	0.47	0.53
Durable goods.....	-3.01	-1.53	-0.69	-0.59	-0.46	1.32	0.88	0.17
Nondurable goods.....	-0.44	0.31	-0.07	-0.47	-0.91	-1.50	-0.41	0.36
Foods, feeds, and beverages.....	-0.23	0.24	0.23	0.12	-0.04	-0.32	-0.14	-0.17
Other nondurable goods.....	-0.22	0.07	-0.30	-0.59	-0.87	-1.18	-0.27	0.53
Services.....	0.23	-0.89	1.17	0.34	0.10	-0.71	0.08	1.43
Housing and utilities.....	-0.46	0.64	-0.15	0.13	-0.27	-0.13	0.18	0.17
Health care.....	0.47	0.22	0.21	0.49	0.37	0.08	0.01	0.46
Food services and accommodations.....	0.28	-0.80	0.66	-0.10	0.03	0.12	0.42	0.75
Other services.....	-0.06	-0.95	0.46	-0.18	-0.03	-0.78	-0.52	0.05
Net foreign travel.....	0.94	3.37	0.27	0.24	-0.54	-0.69	-0.94	-1.05
Private fixed investment	-1.44	-1.89	-0.32	-0.52	-2.25	0.19	0.17	0.04
Change in private inventories	17.57	2.99	-11.21	8.93	0.12	0.88	-3.86	-4.69
Net exports of goods and services	-13.12	-10.21	10.38	-14.50	-8.86	-4.92	3.85	4.77
Exports.....	5.39	-34.53	-11.66	-55.71	-246.37	-12.73	11.52	-24.54
Goods.....	6.44	-31.08	-11.26	-55.42	-246.91	-13.45	10.63	-25.52
Services.....	-1.05	-3.45	-0.40	-0.29	0.54	0.72	0.88	0.99
Imports.....	-18.51	24.31	22.04	41.21	237.51	7.80	-7.67	29.30
Goods.....	-19.95	24.03	22.10	40.84	234.36	7.82	-7.71	29.32
Services.....	1.44	0.28	-0.06	0.37	3.15	-0.01	0.05	-0.01
Government consumption expenditures and gross investment	0.19	1.22	1.37	-1.60	-2.23	-0.35	-0.73	-0.83
Federal.....	0.03	0.33	0.81	-0.34	-0.14	-0.08	-0.57	0.18
Territorial.....	0.17	0.89	0.56	-1.26	-2.09	-0.27	-0.15	-1.01

Table D.1.5. Percent Change From Preceding Year in Prices for Gross Domestic Product, U.S. Virgin Islands

[Percent]

	2008	2009	2010	2011	2012	2013	2014	2015
Gross domestic product	-12.3	5.9	2.3	6.4	13.7	-2.4	-2.8	3.7
Personal consumption expenditures	5.9	0.1	1.3	4.9	3.6	2.5	0.4	1.3

Table D.2.1. Value Added by Industry, U.S. Virgin Islands

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	4,803	4,250	4,203	4,339	4,239	4,095	3,764	3,624
Private industries	4,020	3,443	3,374	3,461	3,398	3,331	3,007	2,869
Goods-producing industries.....	1,487	993	1,042	1,035	955	824	592	521
Services-producing industries.....	2,533	2,450	2,332	2,426	2,443	2,507	2,415	2,347
Wholesale and retail trade.....	449	435	408	413	422	411	409	396
Accommodation and food services.....	405	424	400	428	436	450	463	488
Other services, except government.....	1,678	1,591	1,524	1,585	1,585	1,646	1,543	1,463
Government	783	807	829	878	841	764	757	755
Federal.....	120	125	130	141	139	139	140	136
Territorial.....	663	682	699	738	702	626	617	619

NOTE: Detail may not add to total because of rounding.

Table D.2.2. Real Value Added by Industry, U.S. Virgin Islands

[Millions of chained (2009) dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	4,460	4,502	4,203	4,241	3,895	3,310	3,118	3,088
Private industries	3,634	3,661	3,374	3,408	3,086	2,568	2,411	2,405
Goods-producing industries.....	1,012	1,138	1,042	1,019	774	463	335	285
Services-producing industries.....	2,646	2,523	2,332	2,389	2,324	2,233	2,256	2,336
Wholesale and retail trade.....	464	442	408	408	410	388	382	368
Accommodation and food services.....	433	452	400	429	437	434	434	445
Other services, except government.....	1,747	1,629	1,524	1,552	1,479	1,414	1,442	1,527
Government	833	841	829	833	808	755	719	691
Federal.....	127	129	130	135	131	130	130	123
Territorial.....	707	712	699	697	677	624	589	568

Table D.2.3. Percent Changes in Real Value Added by Industry, U.S. Virgin Islands

[Percent]

	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	0.9	-6.6	0.9	-8.2	-15.0	-5.8	-1.0
Private industries	0.8	-7.9	1.0	-9.5	-16.8	-6.1	-0.3
Goods-producing industries.....	12.5	-8.5	-2.1	-24.1	-40.2	-27.6	-14.9
Services-producing industries.....	-4.6	-7.6	2.4	-2.7	-3.9	1.0	3.5
Wholesale and retail trade.....	-4.7	-7.9	0.2	0.3	-5.3	-1.4	-3.8
Accommodation and food services.....	4.4	-11.5	7.1	2.0	-0.8	0.0	2.5
Other services, except government.....	-6.8	-6.4	1.8	-4.7	-4.4	2.0	5.9
Government	0.9	-1.4	0.4	-3.0	-6.5	-4.7	-3.9
Federal.....	1.8	0.9	4.2	-3.3	-0.5	-0.3	-5.6
Territorial.....	0.7	-1.8	-0.3	-2.9	-7.7	-5.7	-3.6

Table D.2.4. Contributions to Percent Change in Real Gross Domestic Product by Industry, U.S. Virgin Islands

	2008	2009	2010	2011	2012	2013	2014
Percent change:							
Gross domestic product	0.9	-6.6	0.9	-8.2	-15.0	-5.8	-1.0
Percentage points:							
Private industries	0.65	-6.38	0.82	-7.63	-13.88	-4.94	-0.20
Goods-producing industries.....	3.27	-2.08	-0.53	-6.13	-11.76	-5.57	-2.42
Services-producing industries.....	-2.62	-4.29	1.35	-1.50	-2.12	0.63	2.22
Wholesale and retail trade.....	-0.47	-0.79	0.02	0.03	-0.49	-0.14	-0.42
Accommodation and food services.....	0.39	-1.15	0.66	0.19	-0.07	-0.01	0.32
Other services, except government.....	-2.54	-2.36	0.66	-1.71	-1.56	0.77	2.32
Government	0.16	-0.26	0.08	-0.58	-1.16	-0.91	-0.82
Federal.....	0.05	0.02	0.13	-0.10	-0.02	-0.01	-0.21
Territorial.....	0.11	-0.28	-0.05	-0.48	-1.15	-0.90	-0.60

NOTE: Percentage-point contributions do not sum to the percent change in real gross domestic product because of rounding and differences in source data used to estimate GDP by industry and the expenditures measure of real GDP.

Table D.2.5. Compensation of Employees by Industry, U.S. Virgin Islands

[Millions of dollars]

	2007	2008	2009	2010	2011	2012	2013	2014
Total compensation	2,139	2,185	2,114	2,245	2,198	2,042	1,881	1,881
Private industries	1,399	1,411	1,318	1,393	1,386	1,319	1,157	1,150
Goods-producing industries.....	369	340	309	317	302	275	110	102
Services-producing industries.....	1,030	1,070	1,008	1,076	1,084	1,045	1,047	1,048
Wholesale and retail trade.....	201	205	197	198	209	209	236	222
Accommodation and food services.....	208	217	191	204	208	212	214	221
Other services, except government.....	621	649	620	674	668	624	597	604
Government	741	774	797	852	812	722	724	731
Federal.....	118	123	129	140	138	137	138	133
Territorial.....	622	651	668	712	674	585	586	598

NOTE: Detail may not add to total because of rounding.